



NYIT Campus Library

Designed by Christian DiSilvestre
Architectural Design IV

Design Concept

Main focus for the design:

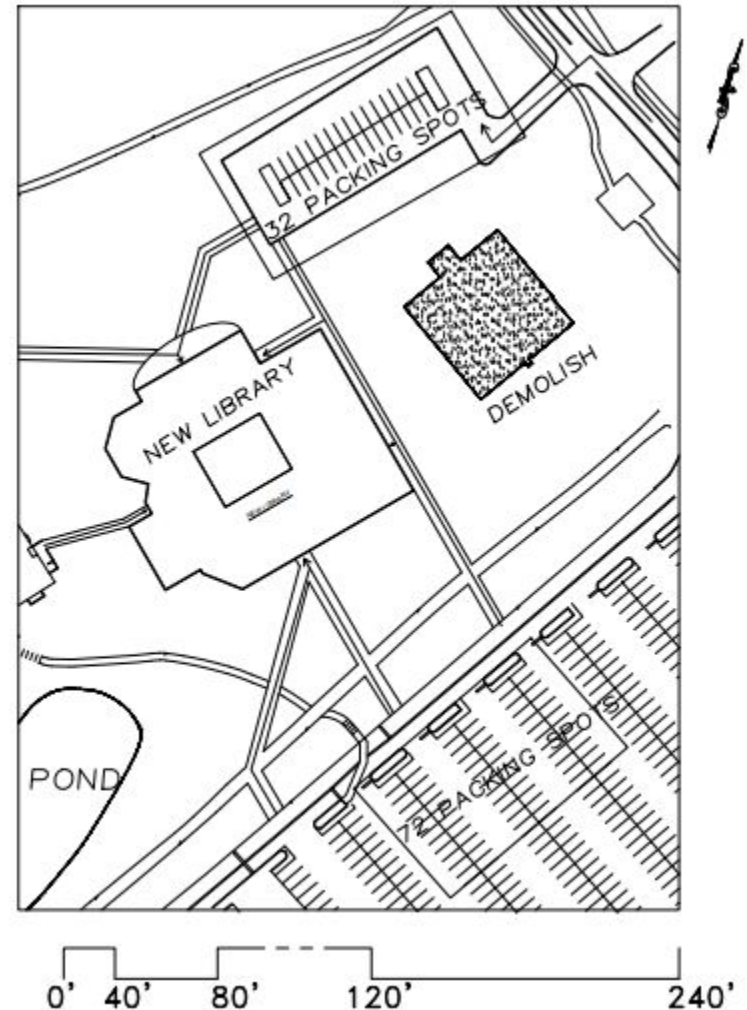
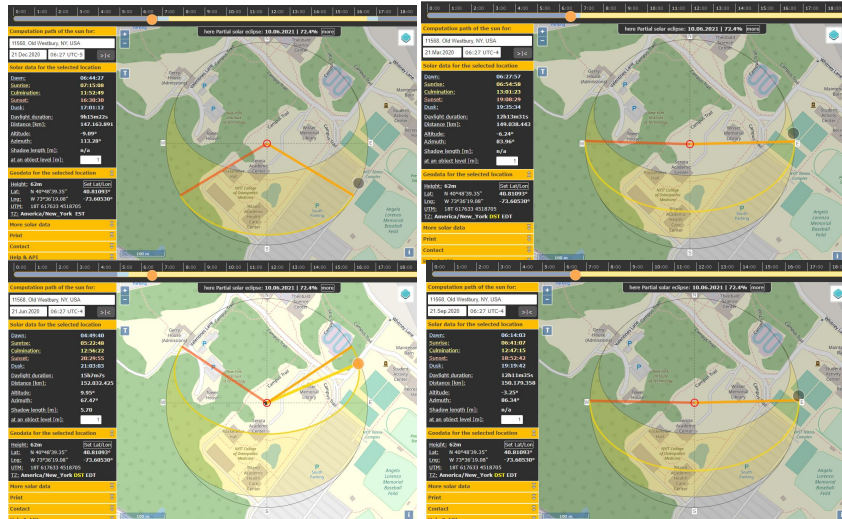
- Functionality- dividing public vs private.
- Social interactions- Focusing on making the library for multi-purpose functions.
- Natural Light- Using maximum glazing for interior and the extruded atrium.

I started the design by analysing the site and sun path. Understanding how the sun light goes over campus was very important for my design. My idea was for the exterior to match the template for the other buildings on campus. Using red brick for the exterior and glass curtain walls for maximum glazing on the interior. The hierarchy of this library is the first to second floor atrium. On the first floor is it surrounded by a glass wall for public interaction. The second floor is open with a railing to overlook any activities on the first floor. One thing I wanted to avoid in the design process was building on top of the berms. So I moved the building closer to the main parking lot where there are no elevation dips. The location also makes the travel distance shorter from different directions.

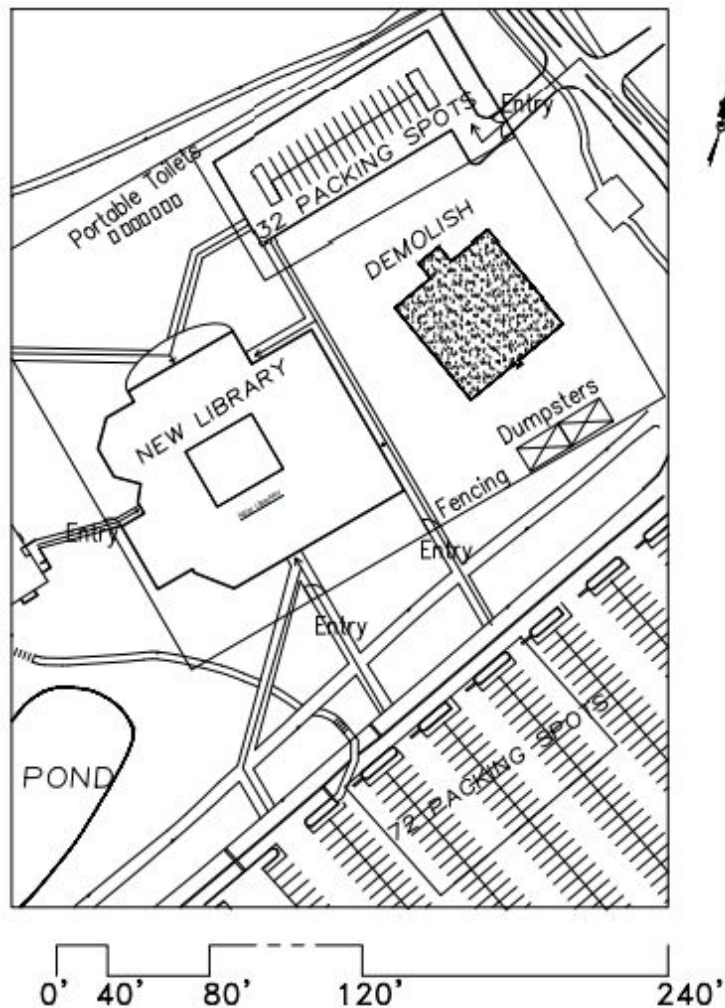
Site Plan

From the main parking lot a pathway will take you to the front of the building. The circulation is composed of many walkways connecting to different parts of the building.

Sun Path-



Construction Staging Plan



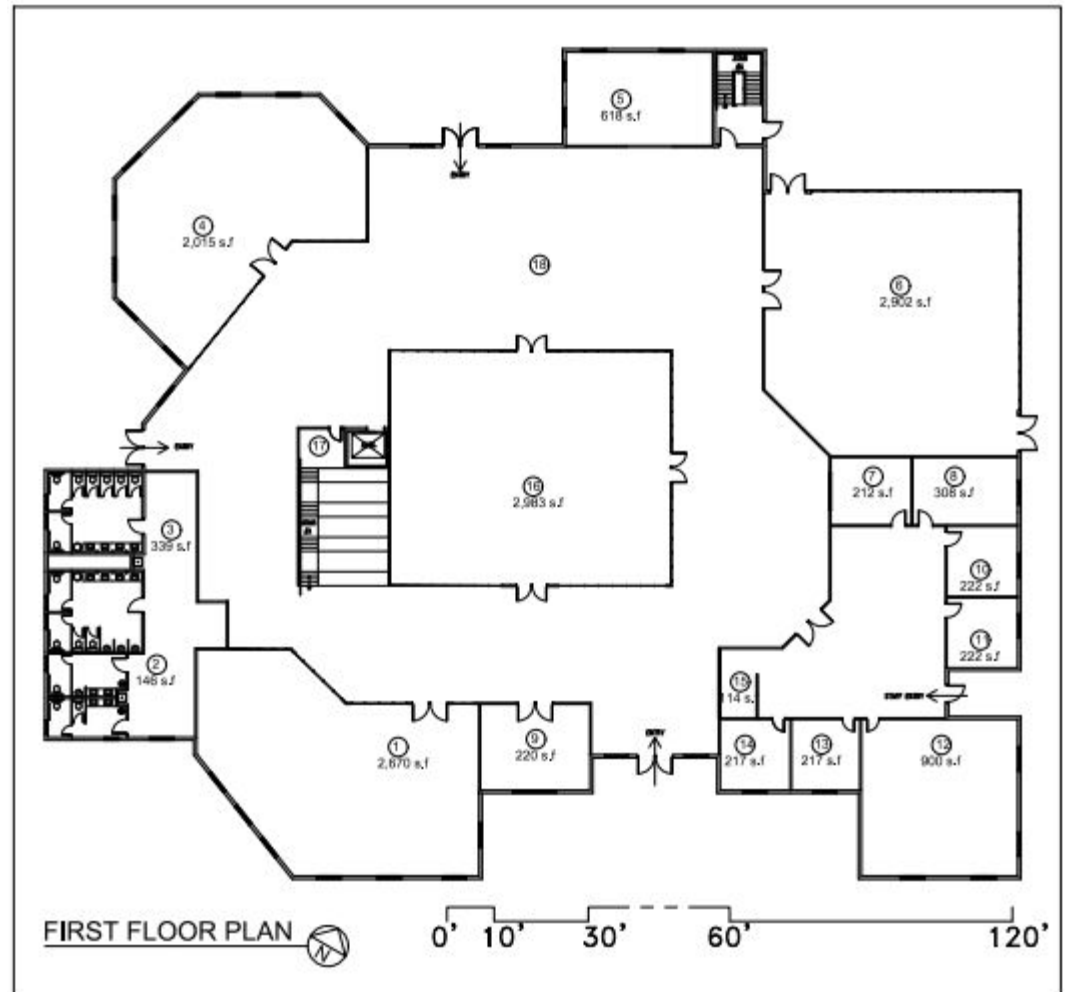
Cost Estimate Workbook

Cost Estimate Workbook - typical SF costs for standard construction types and elements
Based on a Multi-Prime, Prevailing Wage Project

	SF	\$ / SF	Total
Sitework	28,749	\$ 15.00	\$ 431,235.00
Foundations	28,749	\$ 28.00	\$ 804,972.00
Structure	28,749	\$ 45.00	\$ 1,293,705.00
Exterior Wall Construction	28,749	\$ 65.00	\$ 1,868,685.00
Roofing	28,749	\$ 12.00	\$ 344,988.00
Misc. Thermal & Moisture Protection	28,749	\$ 2.00	\$ 57,498.00
Carpentry	28,749	\$ 8.00	\$ 229,992.00
Misc. Metals	28,749	\$ 3.50	\$ 100,621.50
Interior Partitions (incl. doors, glazing)	28,479	\$ 54.00	\$ 1,537,866.00
Finishes	28,479	\$ 30.00	\$ 854,370.00
Specialties	28,479	\$ 5.00	\$ 142,395.00
Elevator	28,479	\$ 10.00	\$ 284,790.00
Plumbing / Fire Protection Work (incl. site work)	28,479	\$ 38.00	\$ 1,082,202.00
HVAC Work	28,479	\$ 74.00	\$ 2,107,446.00
Electrical (incl. site work)	28,479	\$ 82.00	\$ 2,335,278.00
Hard Construction Cost Sub-Total			\$ 13,476,043.50
Design Contingency - 10%			\$ 1,347,604.35
Construction Contingency - 10%			\$ 1,347,604.35
Escalation to Start - 12mo. @ .42%/MO = 5.04			\$ 727,706.35
Total Construction Costs (not including Soft Costs)			\$ 16,898,958.55

First Floor Plan

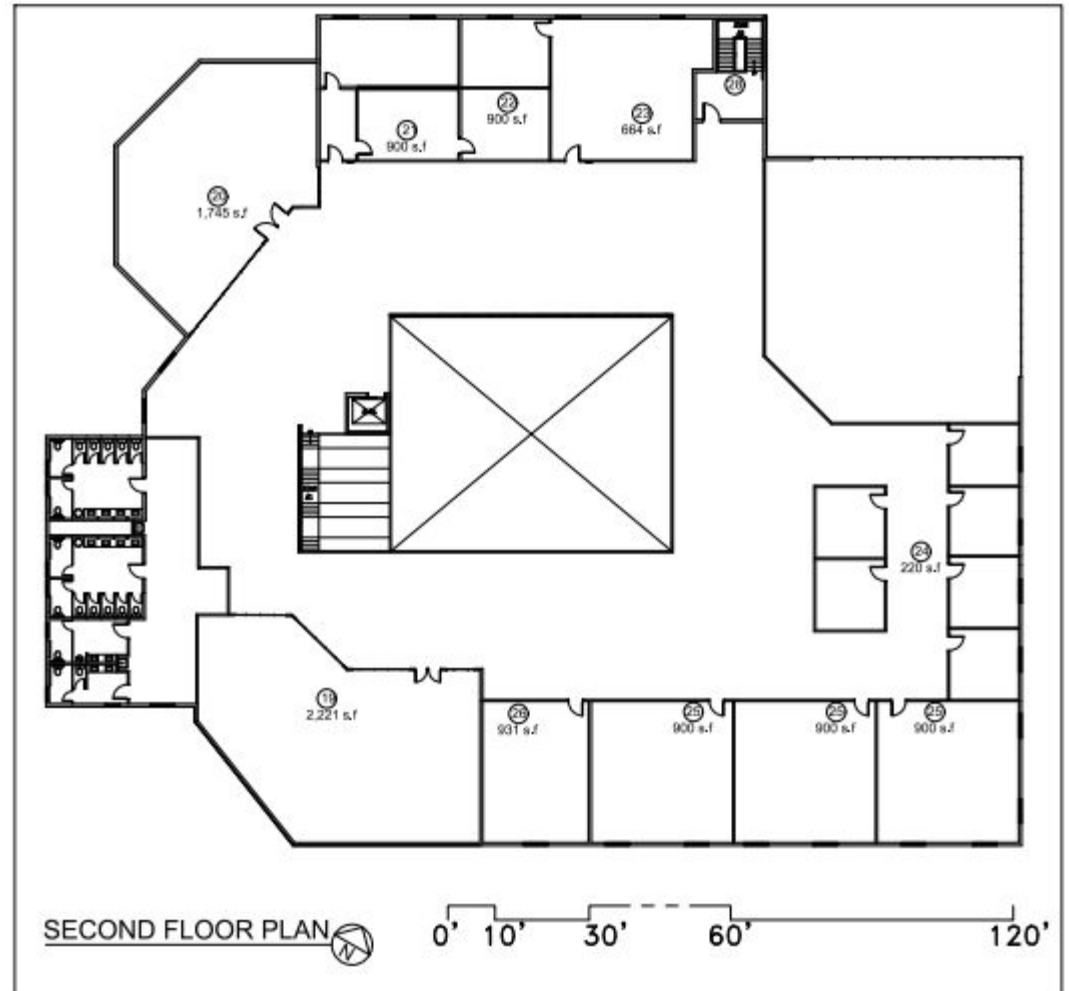
LEGEND	
1	READING AREA #1- 78'-5" X 36'-8"
2	(4)STAFF BATHROOMS- 9'-0" X 16'-7"
3	(4)BATHROOM'S- 17'-0" X 19'-11"
4	READING AREA #2- 55'-0" X 53'-0"
5	GALLERY- 32'-9" X 19'-4"
6	MULTI-PURPOSE RM-55'-7" X 54'-0"
7	CAMPUS RELATIONS-14'-10" X 14'-4"
8	FILE STORAGE- 22'-10" X 14'-4"
9	BOOK DROP-OFF- 15'-0" X 14'-8"
10	SECRETARY- 15'-0" X 14'-10"
11	REFERENCE LIBRARIAN-15'-0" X 14'-10"
12	STAFF LOUNGE-30'-0" X 30'-0"
13	DIRECTOR OFFICE-15'-0" X 14'-6"
14	ASSISTANT DIRECTOR OFFICE-15'-0" X 14'-6"
15	INFO DESK- 14'-8" X 7'-8"
16	ATRIUM- 59'-8" X 50'-0"
17	MECH RM
18	STACK AREA (OPEN SPACE)
19	OUTDOOR CLASS-59'-10" X 36'-8"
20	OUTDOOR AREA-54'-11" X 42'-8"
21	PODCAST- 30'-0" X 30'-0"
22	STEM RM- 30'-0" X 30'-0"
23	LAB- 30'-0" X 28'-7"
24	(5)STUDY RM- 15'-0" X 14'-8"
25	(3)CLASS RM- 30'-0" X 30'-0"
26	QUIET RM-33'-2" X 28'-0"
27	STAIRS



Second Floor Plan

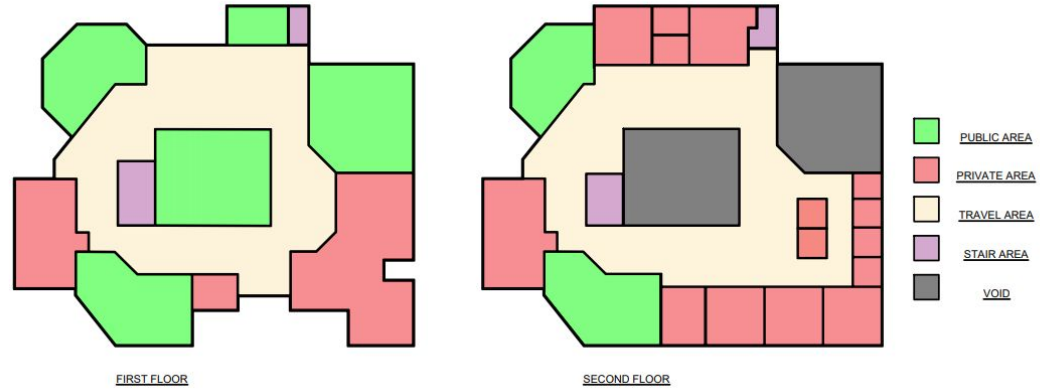
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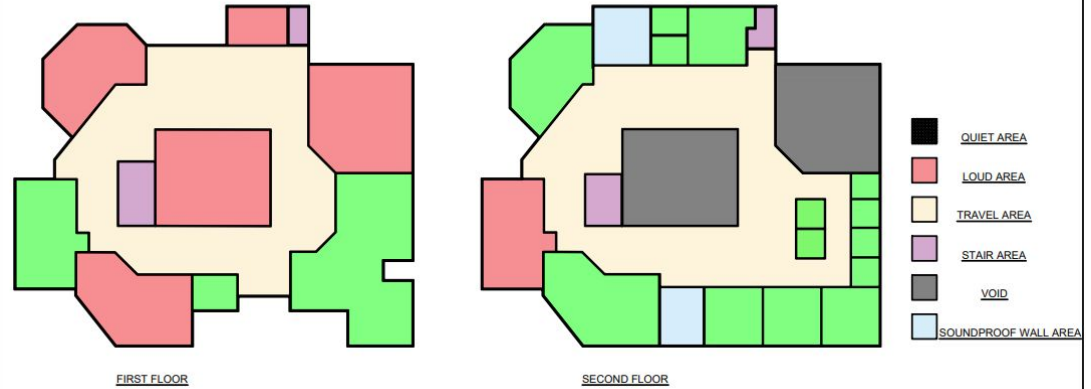


Library Diagrams

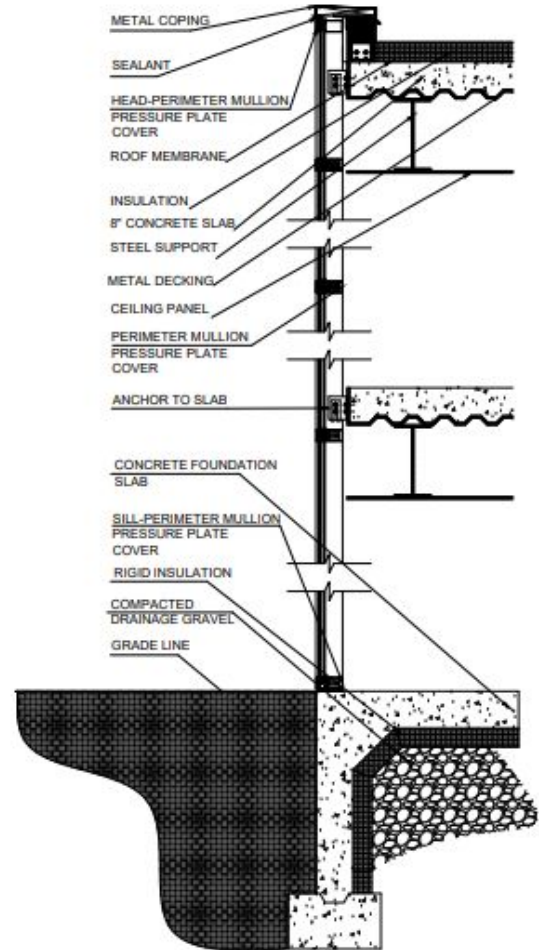
PUBLIC VS PRIVATE DIAGRAM



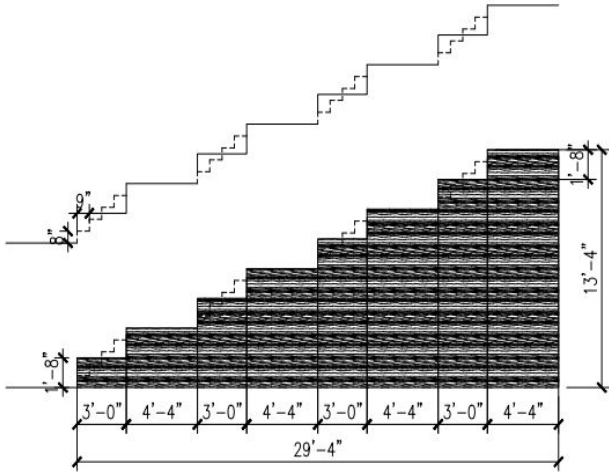
LOUD VS QUIET DIAGRAM



Detail Wall Section



Stair Details



Main staircases that doubles as seating. This design component will add a relaxing area for anyone in the library while also having a straight path to the second floor.

First Floor Finish Plan

FLOORING MATERIALS:



LAMINATE WOOD FLOORING



PATTERN CARPET



RUBBERIZED FLOOR COATING



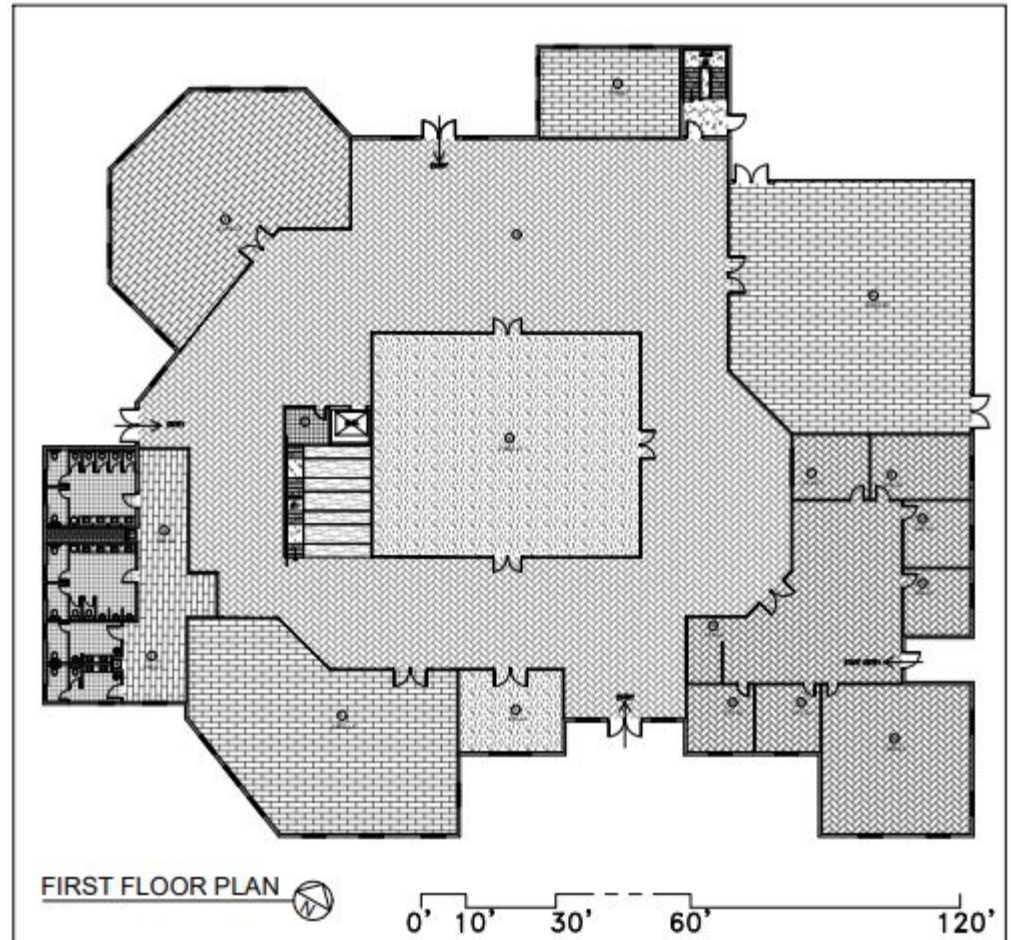
CONCRETE








BATHROOM TILE

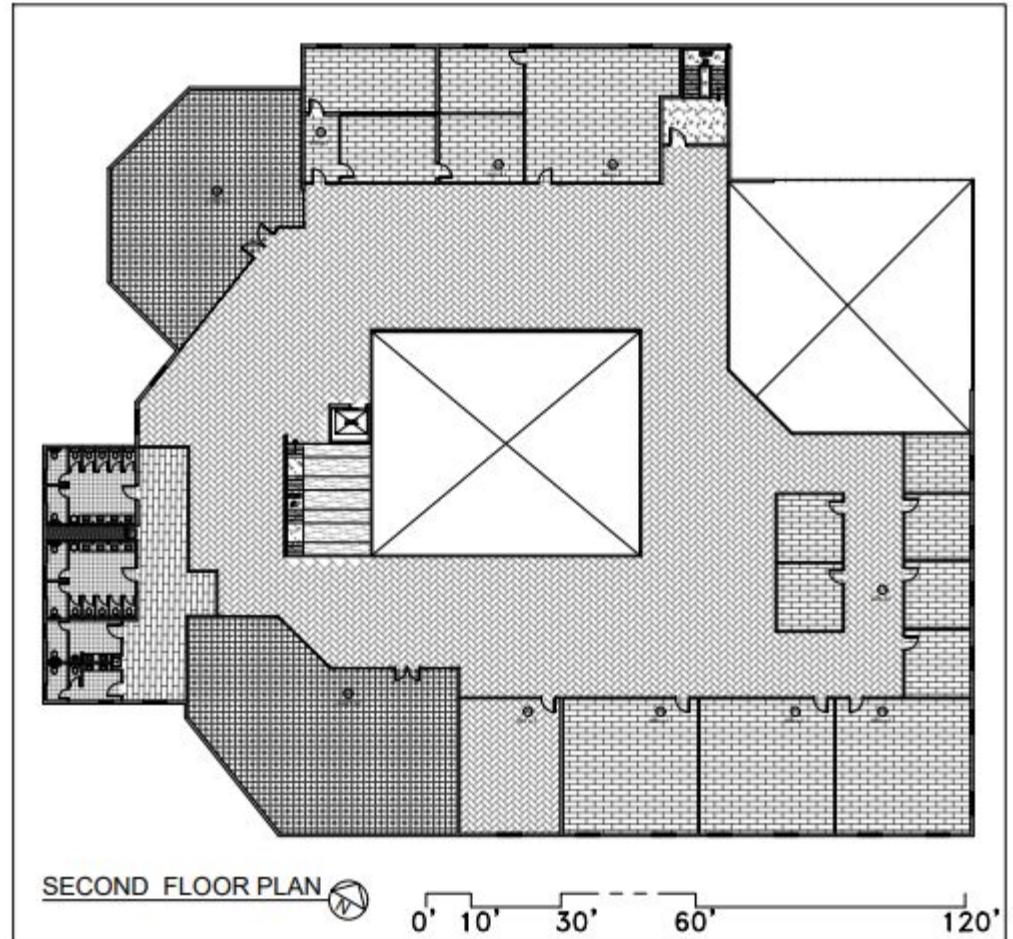


CONCRETE PAVERS



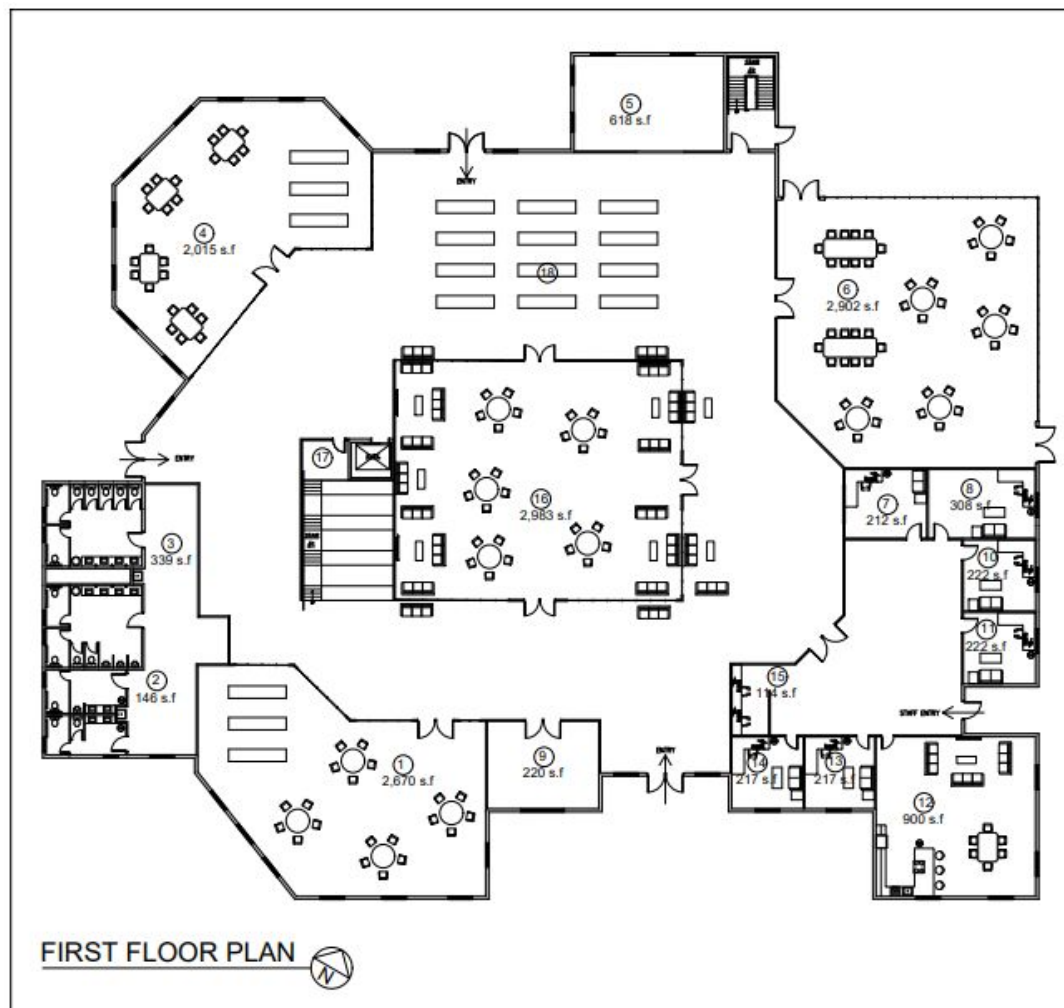
Second Floor Finish Plan

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	<u>PATTERN CARPET</u>
	<u>RUBBERIZED FLOOR COATING</u>
	<u>CONCRETE</u>
	<u>BATHROOM TILE</u>
	<u>CONCRETE PAVERS</u>



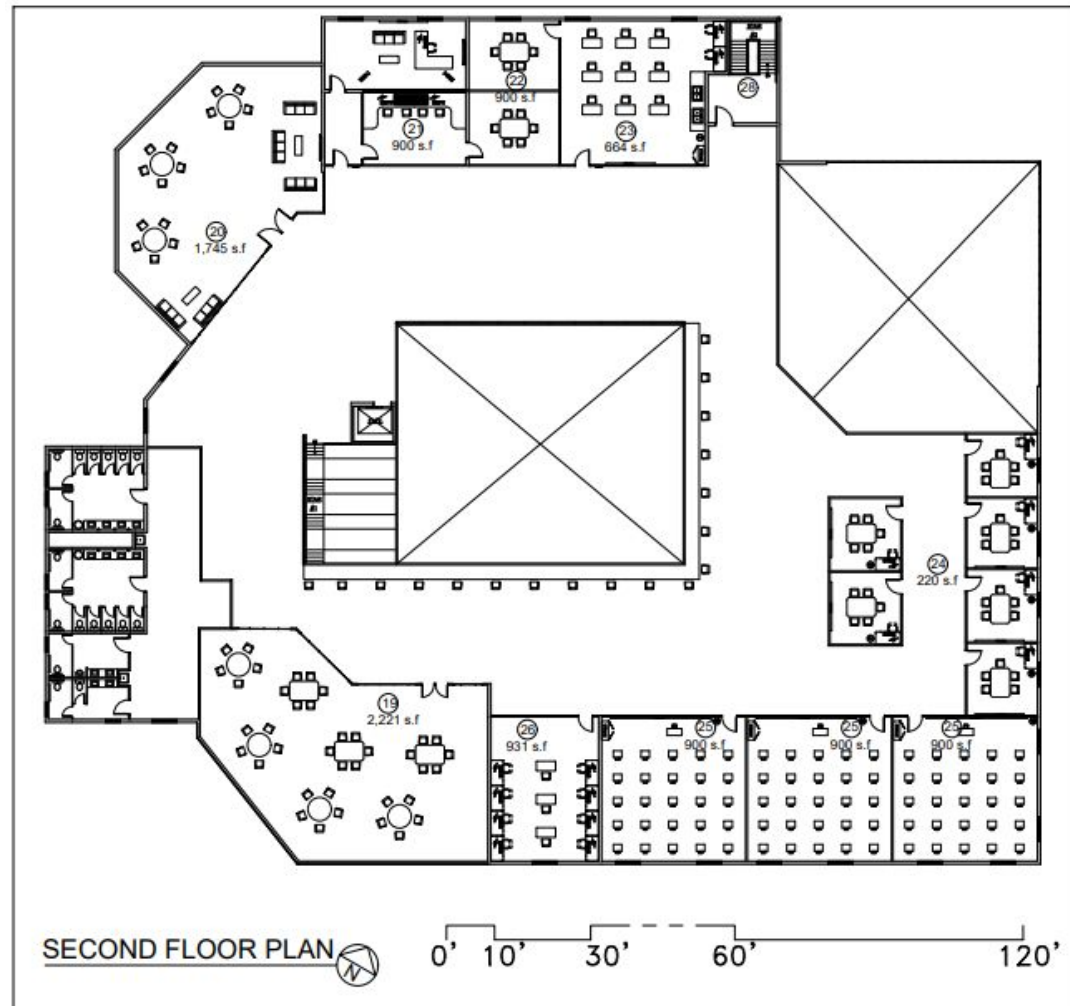
First Floor Furniture Plan

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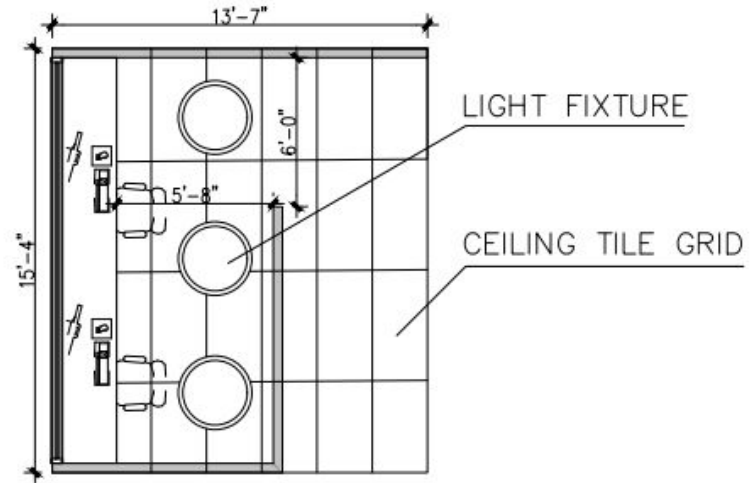
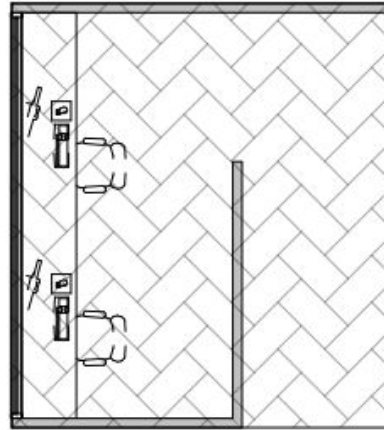


Second Floor Furniture Plan

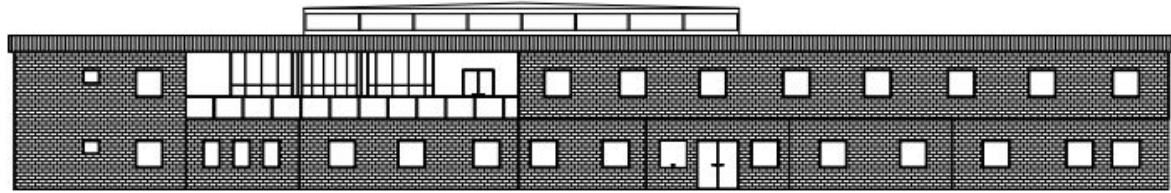
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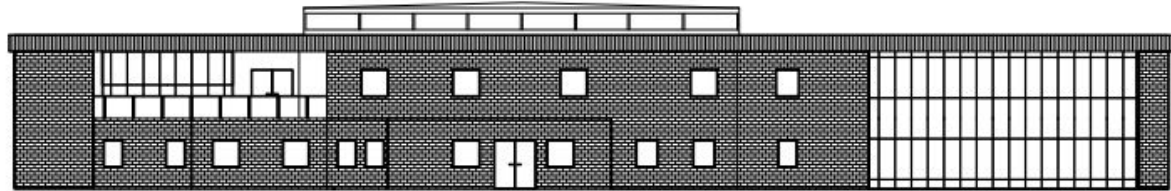
Circulation Desk Plans



Elevations

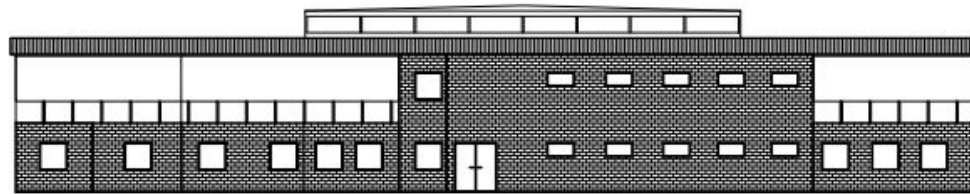


NORTHWEST

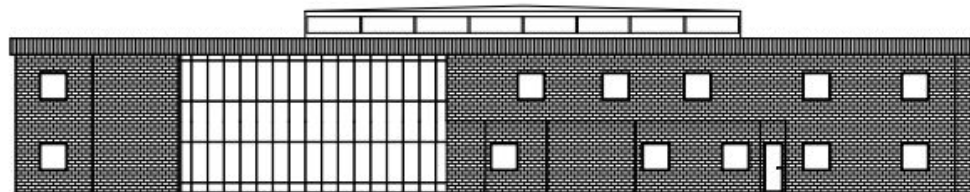


SOUTHWEST

Elevations



NORTHEAST



SOUTHEAST