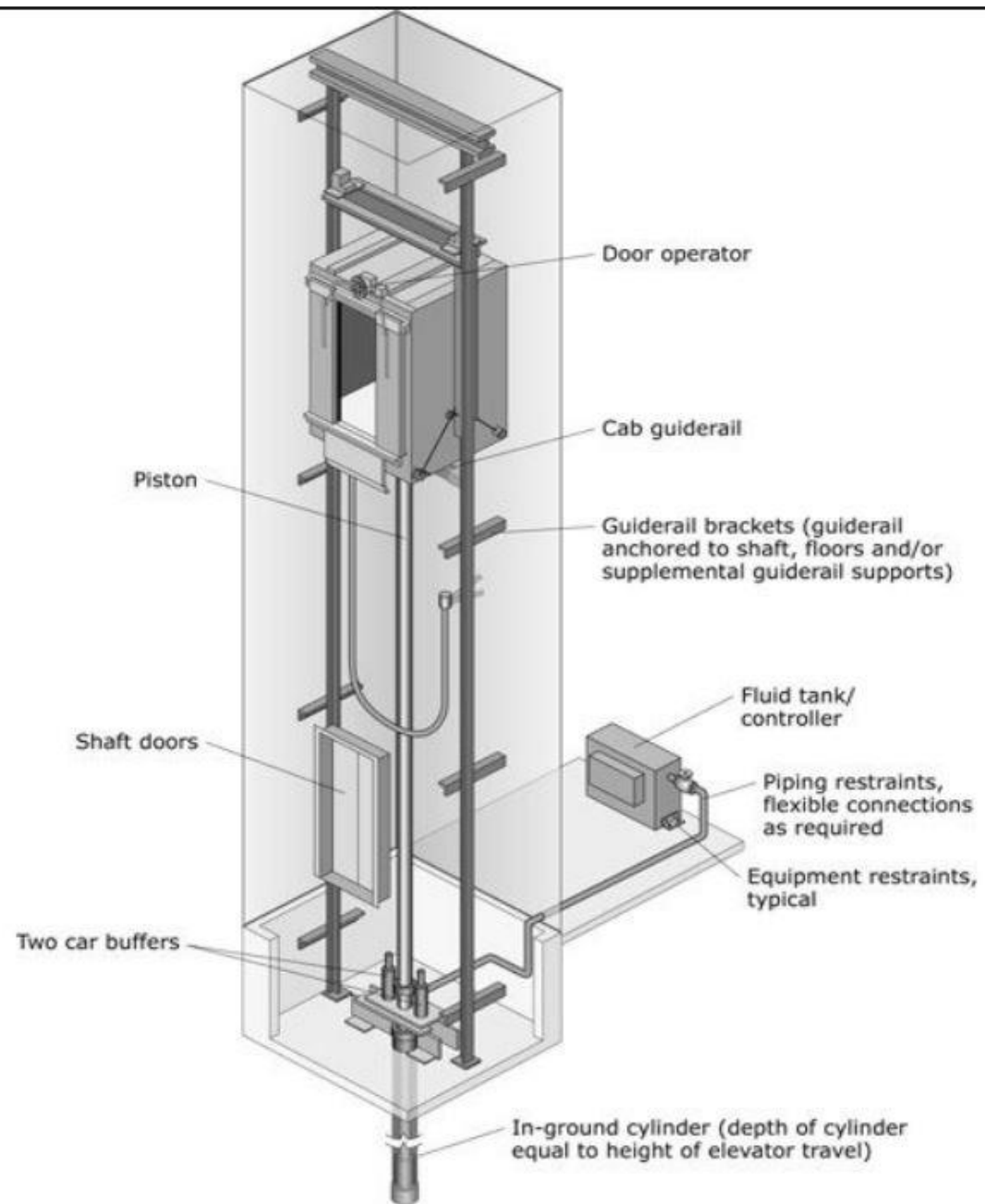


Research For Old Museum

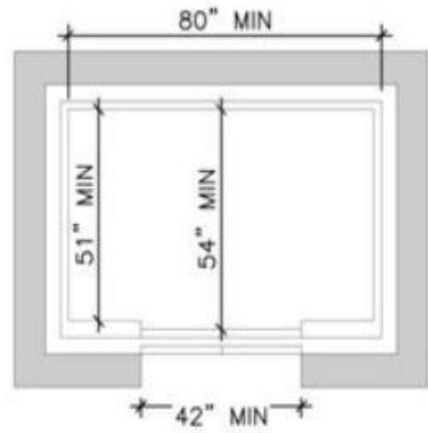


Notes: Provide lateral restraints for guiderails to resist design forces and accommodate anticipated interstory drift.

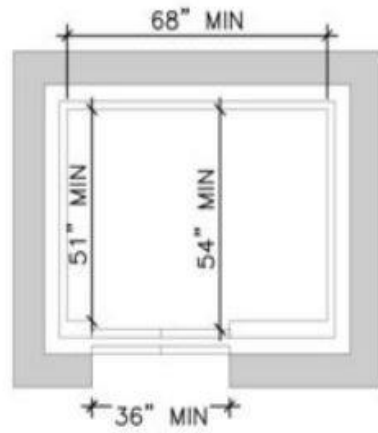
Elevators should be installed, maintained, inspected and repaired by qualified elevator technicians.

Inappropriate seismic restraints may compromise the safe operation of these systems.

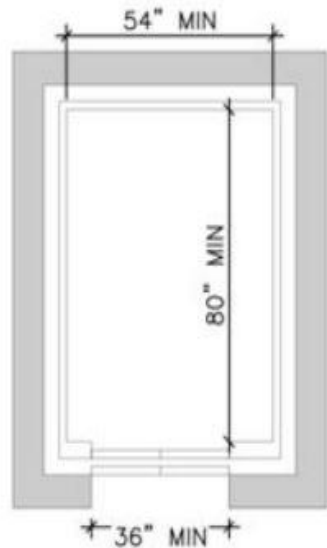
ADA Standards Chapter 4 section 407



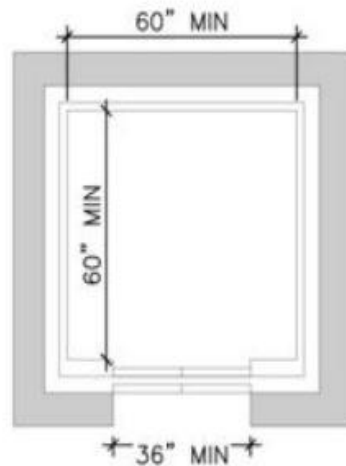
CENTERED



SIDE (OFF CENTERED)



ANY



ANY

Table 407.4.1 Elevator Car Dimensions (text version)

Door Location	Minimum Dimensions			
	Door Clear Width	Inside Car, Side to Side	Inside Car, Back Wall to Front Return	Inside Car, Back Wall to Inside Face of Door
Centered	42 inches (1065 mm)	80 inches (2030 mm)	51 inches (1295 mm)	54 inches (1370 mm)
Side (off-centered)	36 inches (915 mm) ¹	68 inches (1725 mm)	51 inches (1295 mm)	54 inches (1370 mm)
Any	36 inches (915 mm) ¹	54 inches (1370 mm)	80 inches (2030 mm)	80 inches (2030 mm)
Any	36 inches (915 mm) ¹	60 inches (1525 mm) ²	60 inches (1525 mm) ²	60 inches (1525 mm) ²

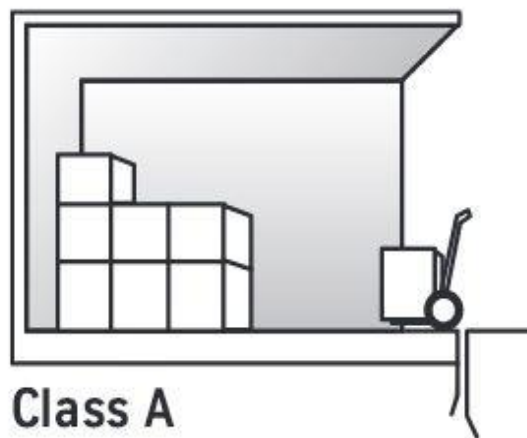
1. A tolerance of minus 5/8 inch (16 mm) is permitted.

2. Other car configurations that provide a turning space complying with 304 with the door closed shall be permitted.

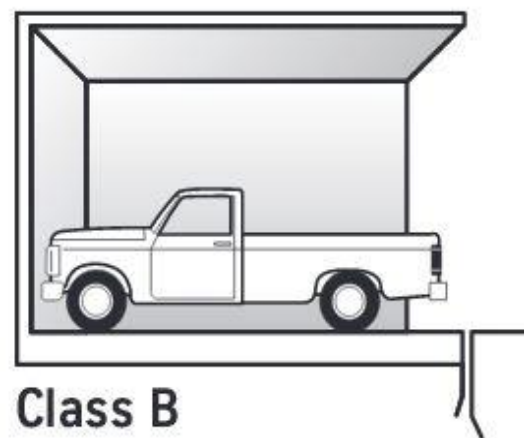
Freight Elevators

Features and Loading Classifications

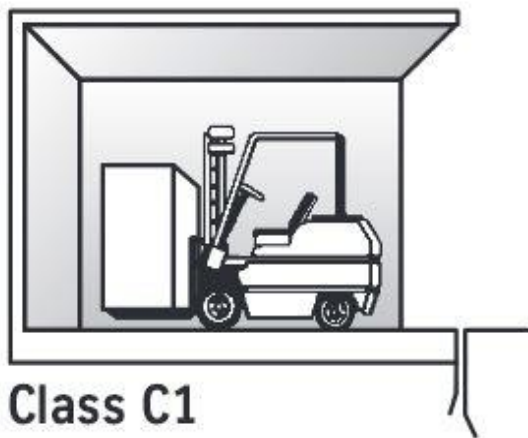
1/2" (13) Door frame



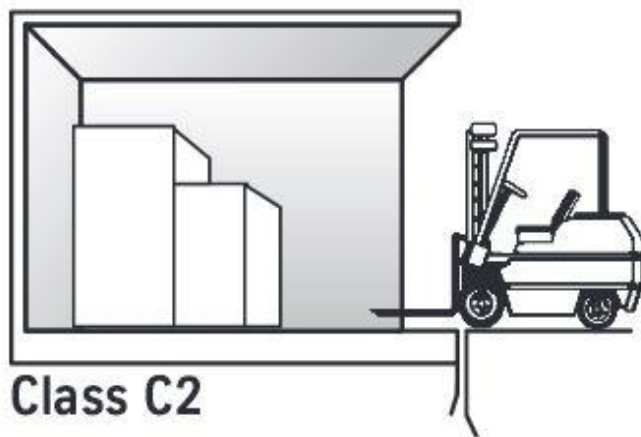
Class A



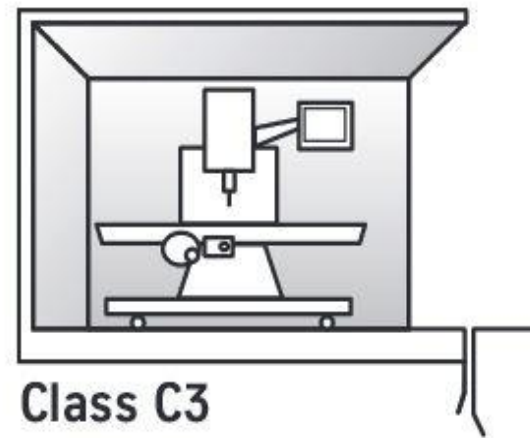
Class B



Class C1



Class C2



Class C3

Standard Features:

- 14-gauge steel wall panels to full car height
- Solid metal 14-gauge top with safety exit
- Vertical counter-balanced car gates of 10-gauge welded wire mesh, reinforced with bar stock (suitable for applications with manual door operation only). Manual gates include weight boxes of 11 gauge sheet steel with built-in guides and removable weight access panel
- Non-skid steel platform

Our custom capabilities enable us to construct practically any design you require, including special NEMA enclosures, hardwood flooring, special gauge walls and ceilings and special paints. We also offer vandal resistant fixtures for added durability. ThyssenKrupp Elevator's design staff is ready to customize an elevator, from control system to fixtures, to meet the special demands of your project.

By integrating highly advanced digital technology, ThyssenKrupp Elevator TAC controllers are ready to operate efficiently day in and day out, year after year. In our manufacturing facilities, components are tested after each stage of construction and then tested again as a complete unit before being shipped. This ensures consistent performance for years of dependable service.

Capacity and loading requirements.

Your local ThyssenKrupp Elevator representative will assist with determining

your elevator's size, capacity and speed for the most efficient and economical operation possible. All ThyssenKrupp Elevator applications are designed and manufactured strictly in agreement with ANSI A17.1 and the Canadian Standards Association (CSA/CAN-B44-94) according to the following loading classifications:

Class A: General Freight Loading.

Where the load is distributed, the weight of any single piece is not more than 1/4 the capacity of the elevator and the load is handled on and off the car platform manually or by means of hand trucks.

Class B: Motor Vehicle Loading.

The freight elevator is used solely to carry automobile trucks or passenger automobiles up to the rated capacity of the elevator.

Class C1: Industrial Truck Loading.

A four-wheeled vehicle may be used to load and unload the elevator. The combined weight of the vehicle and the load cannot exceed the rated capacity and may be rolled onto the platform as a single unit.

Class C2: Industrial Truck Loading.

During loading and unloading, max load on the platform may be up to 150% of the rated capacity. This enables you to use a forklift to load a car with freight weighing up to the rated capacity.

Class C3: Other forms of Industrial Truck Loading.

During the loading and unloading process, the rated capacity must never be exceeded.

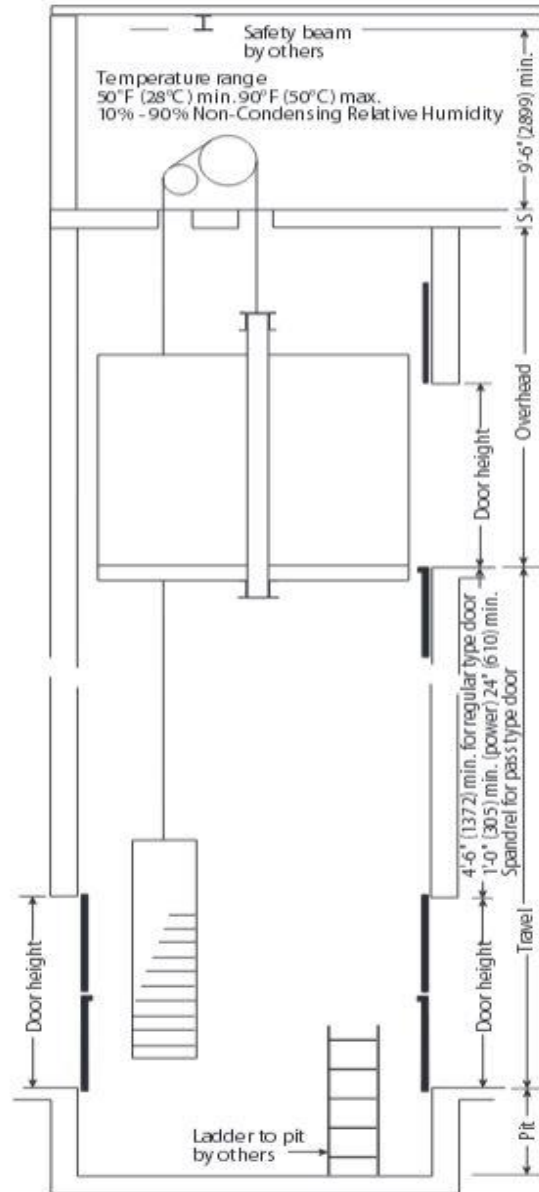
The following requirements shall apply to Class C1, C2 and C3:

The capacity of the elevator shall be not less than the load (including any truck) to be carried and shall in no case be less than 50 lb/ft² (244.10 kg/m²) of the inside net platform area. The elevator shall be provided with two-way automatic leveling.

For Class C1 and C2, the following additional requirements shall apply:

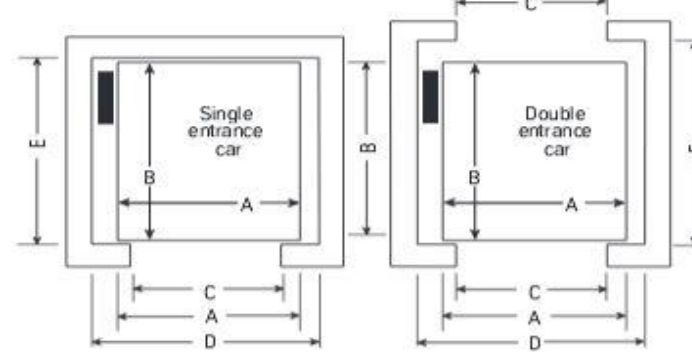
For elevators with a capacity up to 20,000 lbs (9,072 kg), the car platform shall be designed for a loaded truck of weight equal to the capacity or for the actual weight of the truck to be used, whichever is greater. For elevators with a capacity exceeding 20,000 lbs (9,072 kg), the car platform shall be designed for a loaded truck of that weight or for the actual weight of the loaded truck to be used, whichever is greater.

rugged, all-steel construction and custom engineering give our freight elevator the strength and power you need to get the job done day-after-day.



S = Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.

1 Safety beam required per OSHA 1926.502, provided and



Capacity in pounds

2500 (1134 kg) 4000 (1814 kg) 8000 (3629 kg) 10,000 (4536 kg)
5000 (2268 kg)
6000 (2722 kg)

A	5'-4" (1626)	8'-4" (2540)	8'-4" (2540)	8'-4" (2540)
B	7'-0" (2134)	10'-0" (3048)	12'-0" (3658)	14'-0" (4267)
C	5'-0" (1524)	8'-0" (2438)	8'-0" (2438)	8'-0" (2438)
D	7'-10" (2388)	10'-10" (3302)	11'-0" (3353)	11'-0" (3353)
E	7'-8" (2337)	10'-8" (3251)	12'-8" (3861)	14'-8" (4470)
P	7'-11" (2413)	10'-11" (3327)	12'-11" (3937)	14'-11" (4547)

- 1 Add 2" (51) for seismic.
- 2 Add 4" (102) for seismic.
- 3 Add 1½" (44) if pass type doors are used.
- 4 Add 3½" (89) if pass type doors are used.

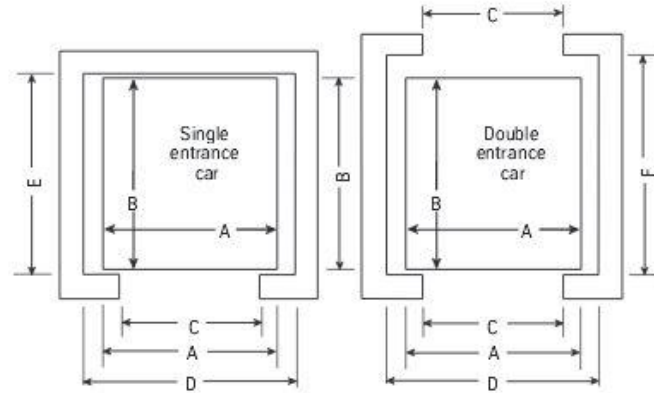
Minimum pit, overhead and machine room dimensions

	Speed feet per minute (fpm)		
	100 (0.5m/s)	150 (0.75m/s)	200 (1.0m/s)
Pit	5'-6" (1676)	5'-6" (1676)	5'-6" (1676)
Overhead^a	17'-2" (5232)	17'-2" (5232)	17'-2" (5232)

- 5 Subtract 6" (152) if 7'-0" (2134) clear opening height doors and cab height are used.

Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

Dimensions shown are for power operated doors of the regular type with 8'-0" (2438) clear opening height and enclosure height. Changes required if other than the above.



ThyssenKrupp Elevator manufactures freight elevators in all sizes and capacities to handle any factory, warehouse or industrial job economically and efficiently.

Capacity in pounds

	2500 (1134 kg)	4000 (1814 kg) 5000 (2268 kg) 6000 (2722 kg)	8000 (3629 kg)	10,000 (4536 kg)
A	5'-4" (1626)	8'-4" (2540)	8'-4" (2540)	8'-4" (2540)
B	7'-0" (2134)	10'-0" (3048)	12'-0" (3658)	14'-0" (4267)
C	5'-0" (1524)	8'-0" (2438)	8'-0" (2438)	8'-0" (2438)
D	7'-2"▲ (2184)	10'-2"• (3099)	10'-2"• (3099)	10'-2"• (3099)
E	7'-8" (2337)	10'-8" (3251)	12'-8" (3861)	14'-8" (4470)
F	7'-11" (2413)	10'-11" (3327)	12'-11" (3937)	14'-11" (4547)

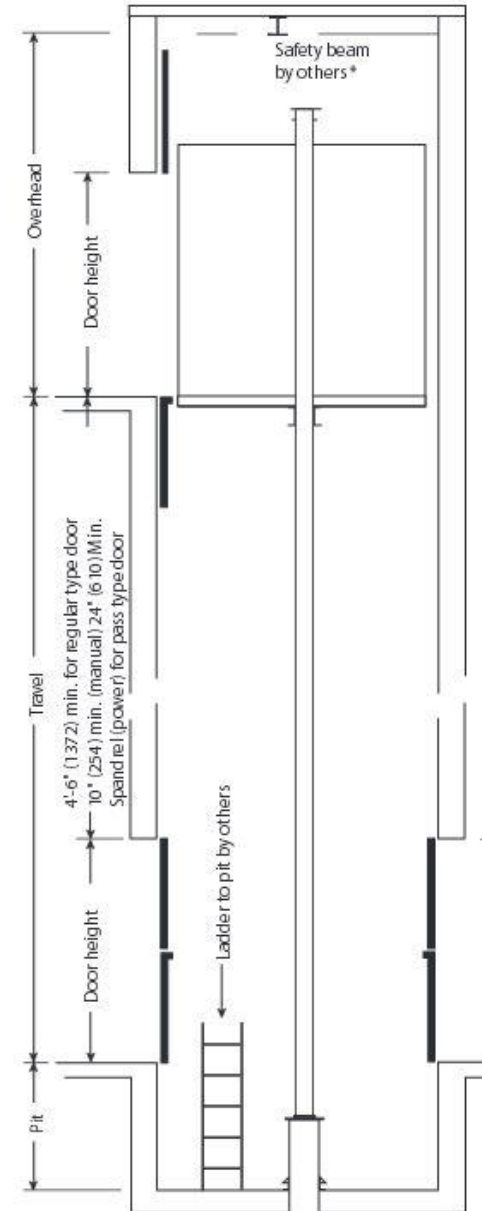
- 1 Subtract 6" (152) if manual doors are used.
- 2 Add 1 1/4" (44) if pass type doors are used.
- 3 Add 3 1/4" (89) if pass type doors are used.
- ▲ For seismic conditions add 4" (102) for manual gates.
- For seismic conditions add 4" (102) for power gates, add 6" (152) for manual gates.

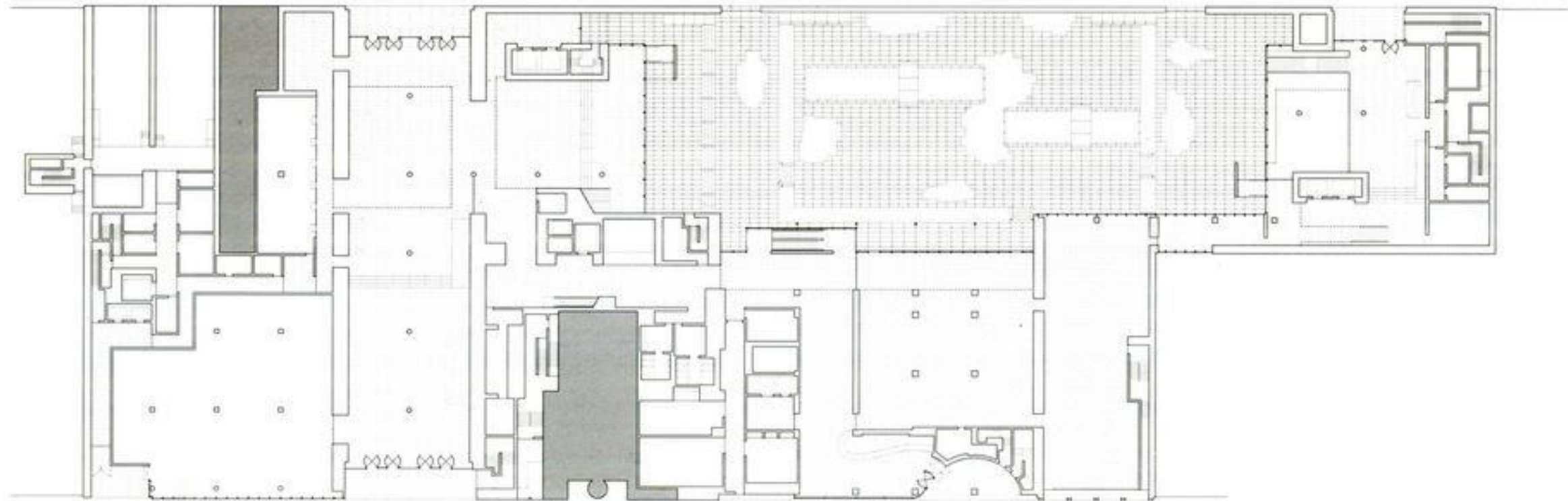
Minimum pit, overhead and machine room dimensions

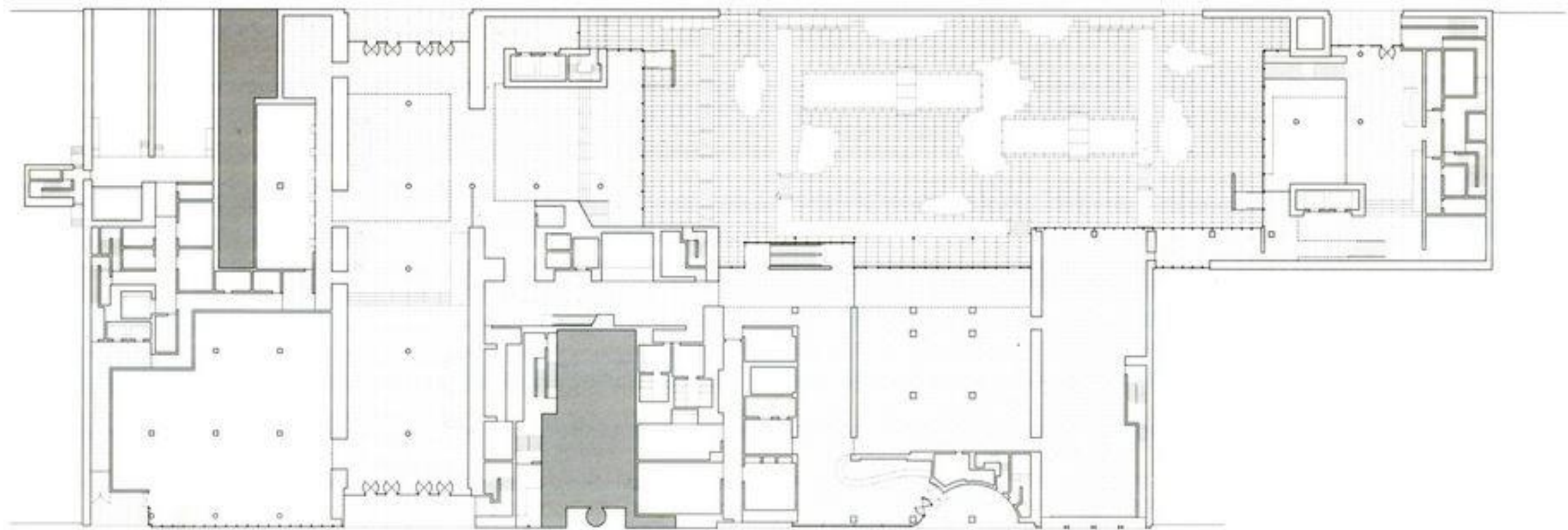
	Speed feet per minute (fpm)		
	50 (0.25m/s)	75 (0.38m/s)	100 (0.5m/s)
Pit	4'-6" (1372)	4'-6" (1372)	4'-6" (1372)
Overhead	14'-9" (4496)	14'-9" (4496)	14'-9" (4496)

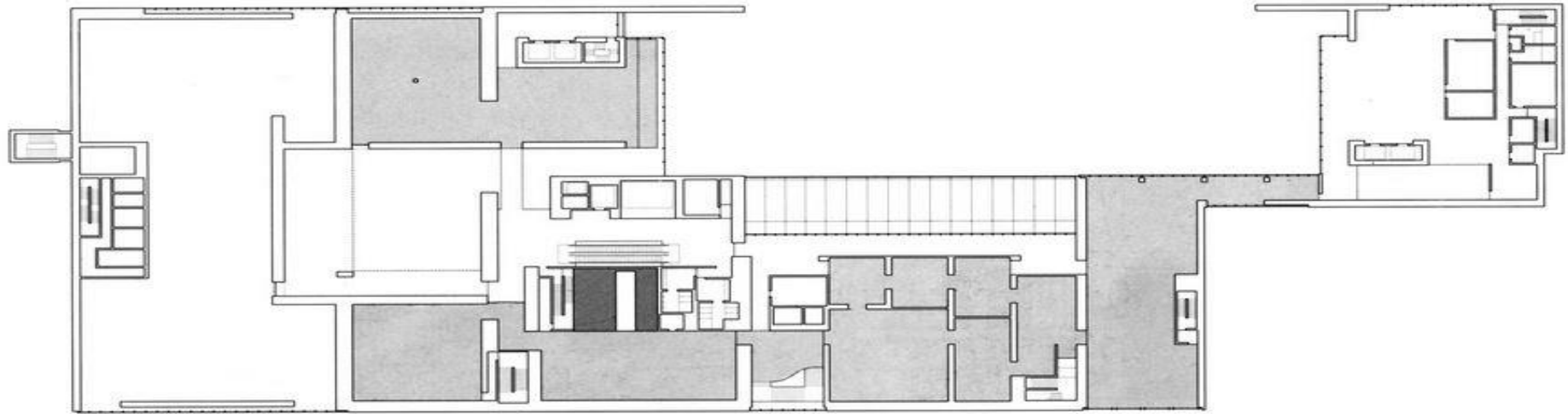
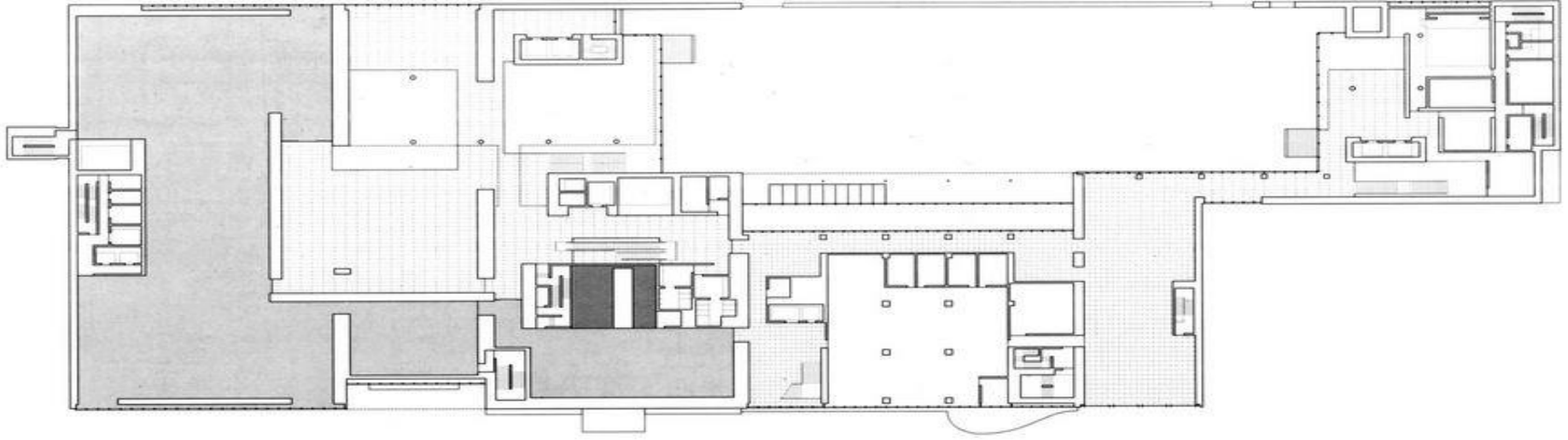
- 4 Subtract 12" (305) if 7'-0" (2134) clear opening height doors and cab height are used.

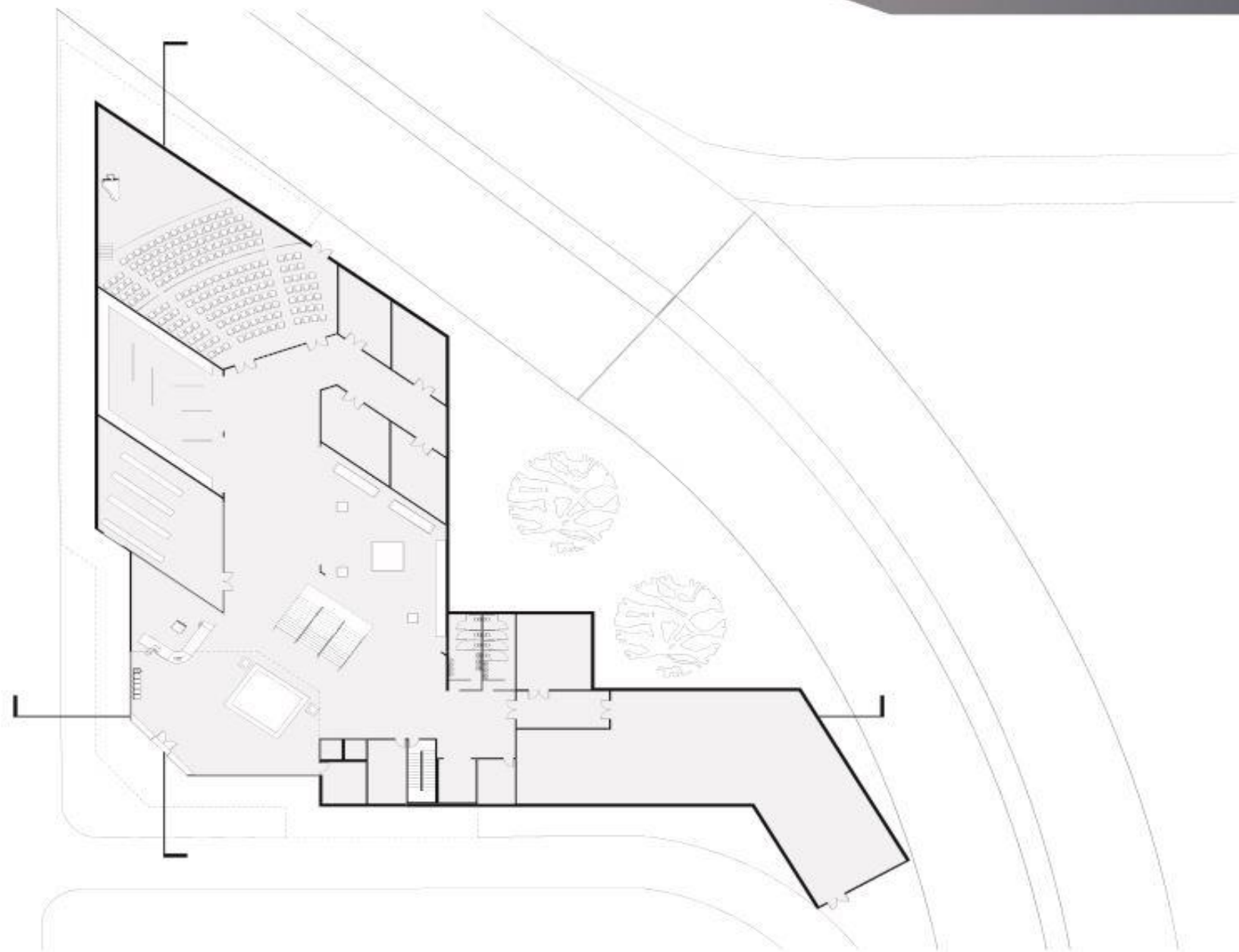
Dimensions shown are for power operated doors of the regular type with 8'-0" (2438) clear opening height and enclosure height. Changes required if other than the above.





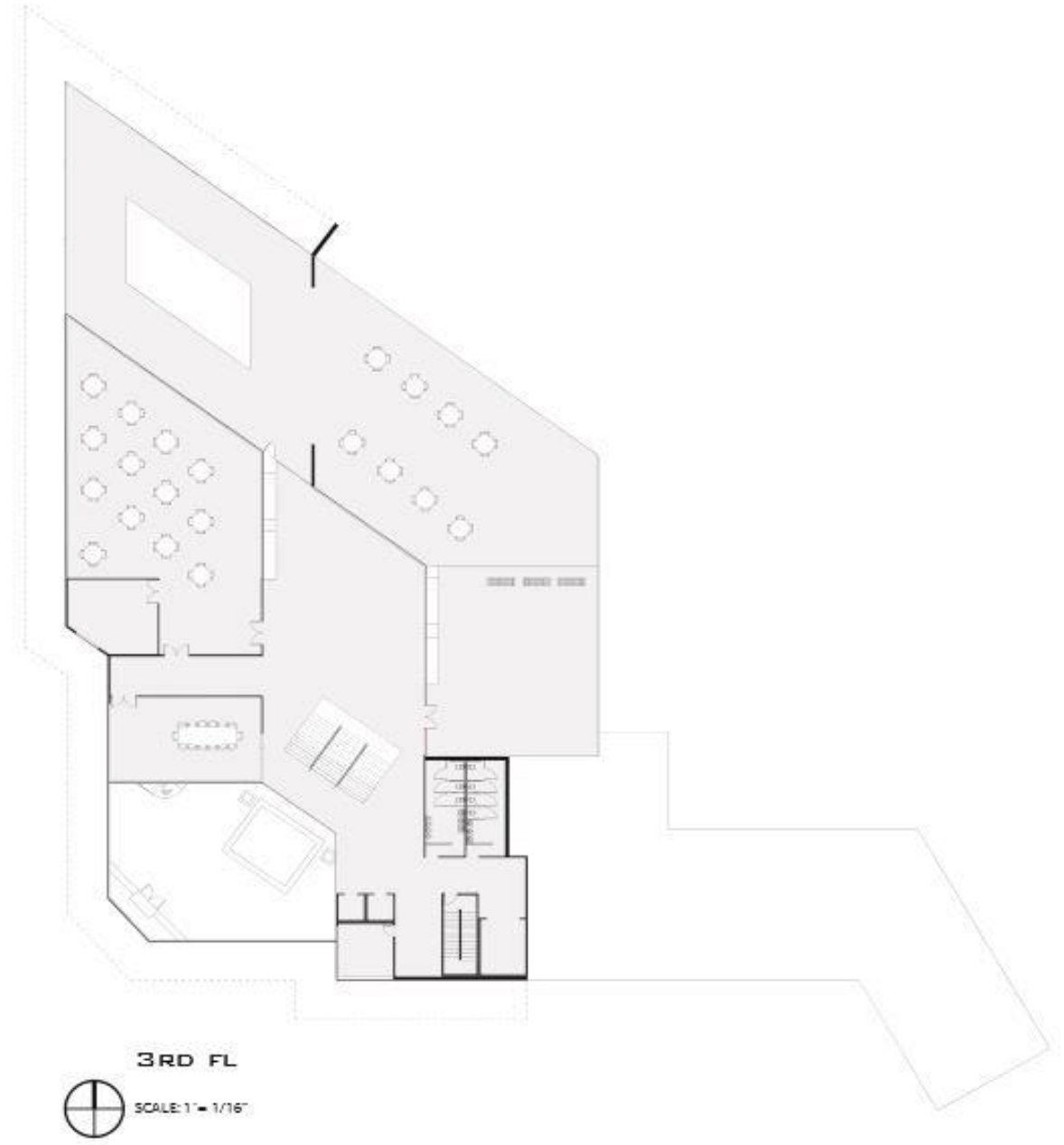






GROUND FL





AUDTORIUM

LOBBY

MECHANICS ROOM

STORAGE FOR ART

