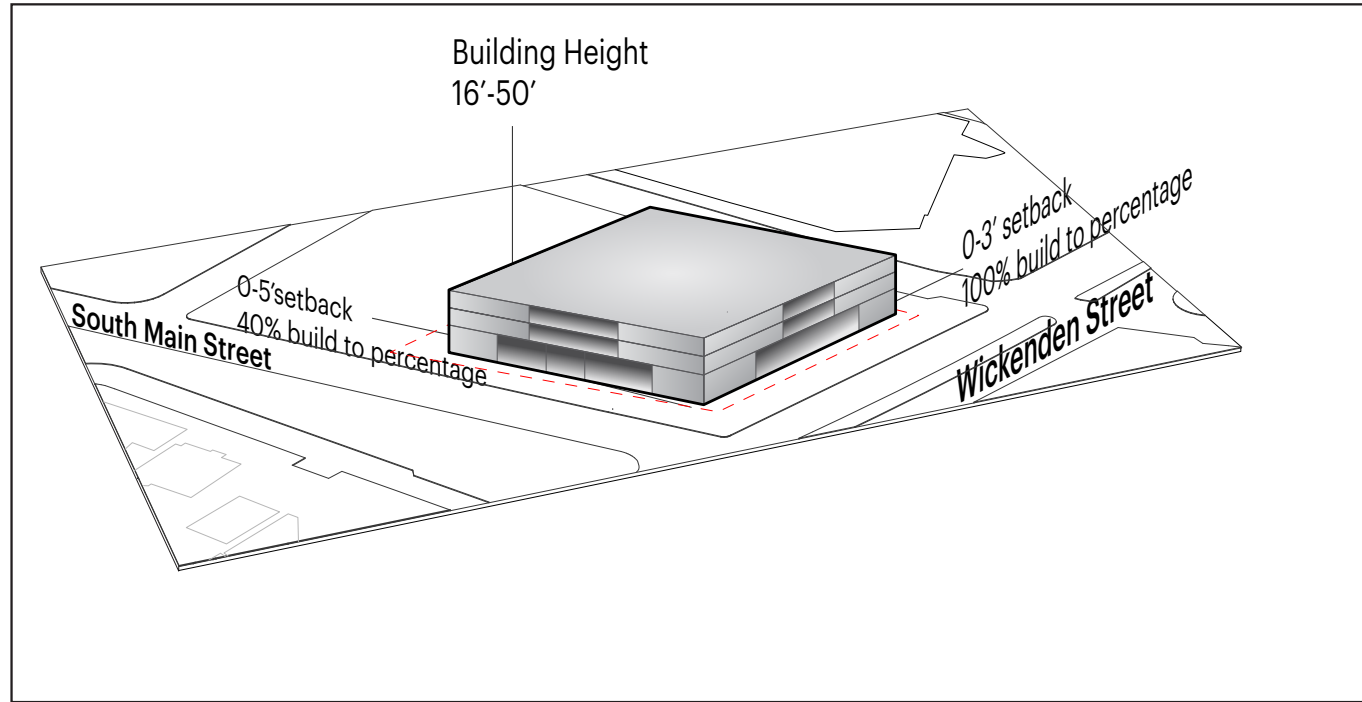


# Zoning Requirements Diagram



# Legend

	SECTION REFERENCE		DOOR NUMBER
	DETAIL REFERENCE		SPOT ELEVATION
	EXTERIOR ELEVATION		DATUM
	INTERIOR ELEVATION		NORTH ARROW
	CALLOUT REFERENCE		KEYNOTE
<b>Room name</b> 	ROOM NAME / NUMBER		MATERIAL KEYNOTE

# Drawing List Volume 1

General Drawings	
G000	Cover Sheet
G001.1	Egress Pathway Plan
G001.2	ADA Accessibility Route Plan
G002	Life Safety Plan
G003	Cost Comparison Analysis
G004A	Building Concepts   Pedestrian Circulation
G004B	Building Concepts   Flood Map
G004C	Building Concepts   Ventilation Analysis
G004D	Building Concepts   Daylight Autonomy
G004E	Building Concepts   Facade Design
G004F	Building Concepts   Harvesting Rainwater

Landscape Drawings	
L100	B2 Parking Plan
L101	B1 Parking Plan
L102	Site Plan

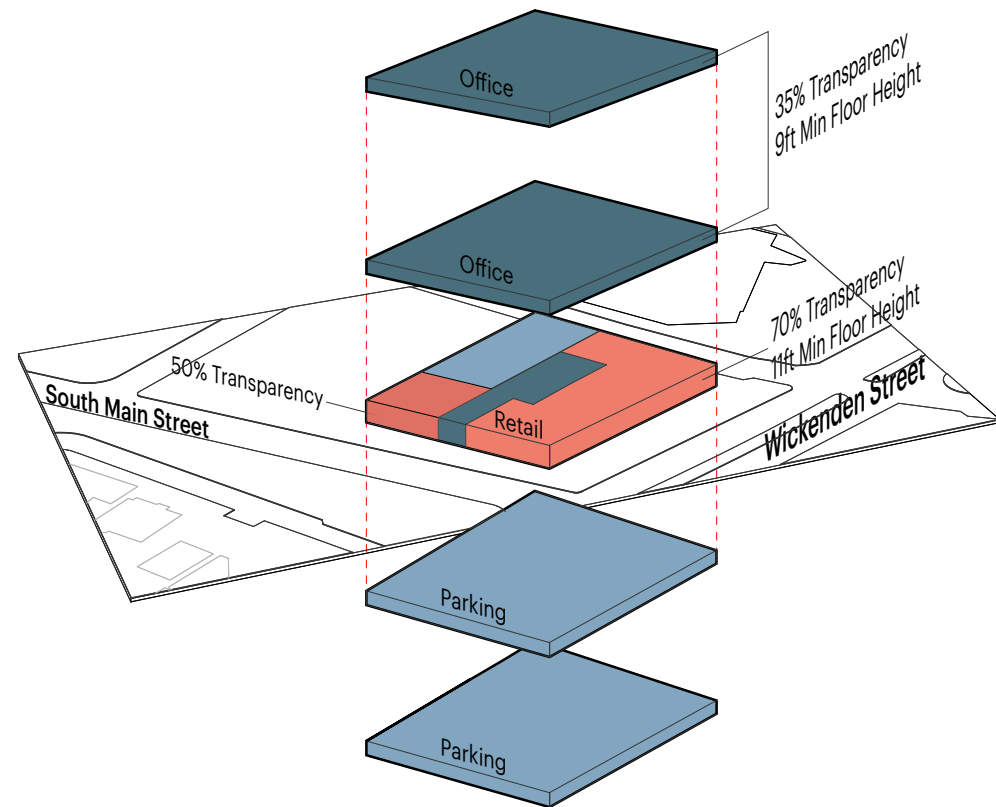
Architectural Drawings	
A100	Ground Floor Plan
A101	Upper Floor Plan
A102	Roof Plan
A200	Building Elevations
A201	Building Elevations
A202	Building Elevations
A203	Building Elevations
A300	Building Sections   Section A
A301	Building Sections   Section B
A302	Building Sections   Section C
A303	Building Sections   Section D
A400	Principle Wall Sections   Double Skin
A401	Principle Wall Sections   Glass Curtain Wall
A402	Principle Wall Sections   Brick Wall
A500	Vertical Circulation
A700	Interior Details
A701	Interior Details
A702	Interior Details

Structural Drawings	
S100	Framing Plan   Ground Floor
S101	Framing Plan   Upper Floors
S102	Structural Details

Mechanical Drawings	
M100	HVAC Drawings   Ground Floor
M101	HVAC Drawings   Upper Floors

Electrical Drawings	
E100	Ground Floor Plan
E101	Upper Floor Plan

Plumbing Drawings	
P100	Ground Floor Plan
P101	Upper Floor Plan
P102	Sprinkler Drawing



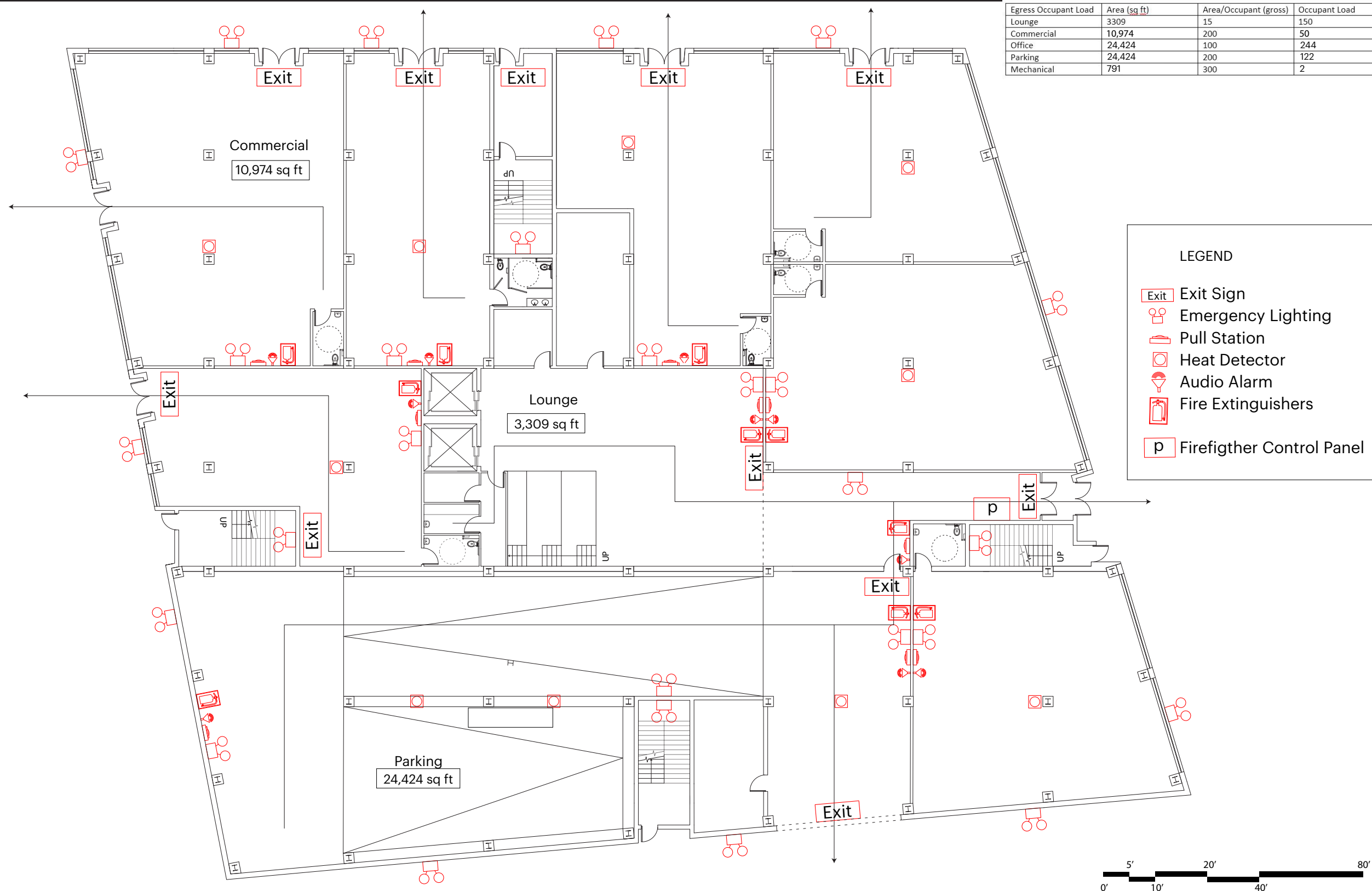
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**FilterScape**  
Commercial Building  
117 Wickenden Street, Providence RI 02903

**GENERAL**  
Cover Sheet

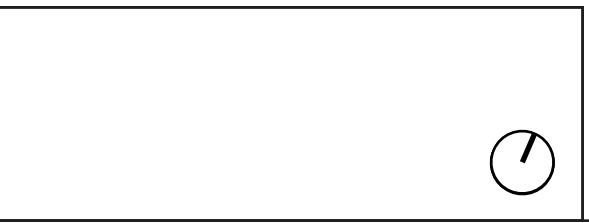
**G000**

Egress Occupant Load	Area (sq ft)	Area/Occupant (gross)	Occupant Load
Lounge	3309	15	150
Commercial	10,974	200	50
Office	24,424	100	244
Parking	24,424	200	122
Mechanical	791	300	2



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**GENERAL**  
 Life Safety Plan

**G002**



5000 NASA Blv



Lewis + Clark State Office Building



Preston Point

**Parcel 6, RI**

Type of Building  
Project Location  
Type of Work  
Cost Index

**Commercial Cost Estimate**

Retail Store  
Rhode Island-Providence  
Lump Sum  
High

Square Feet

Subtotal		<b>14,939,048.02</b>
Overhead	<input type="text" value="10.00%"/>	1,493,904.80
Profit	<input type="text" value="5.00%"/>	746,952.40
Bonding	<input type="text" value="1.00%"/>	149,390.48

Total Budget   
Per Square Foot

**5000 NASA Blv, WV**

-Office space  
-130,000 sqft  
-\$24million cost

\$184.61 per sqft

**Lewis + Clark state office building, MO**

-Office space  
-120,000 sqft  
-\$17million cost

\$141.66 per sqft

**Preston Pointe, KY**

-Commercial space  
-105,000 sqft  
-\$11.3million cost

\$107.61 per sqft



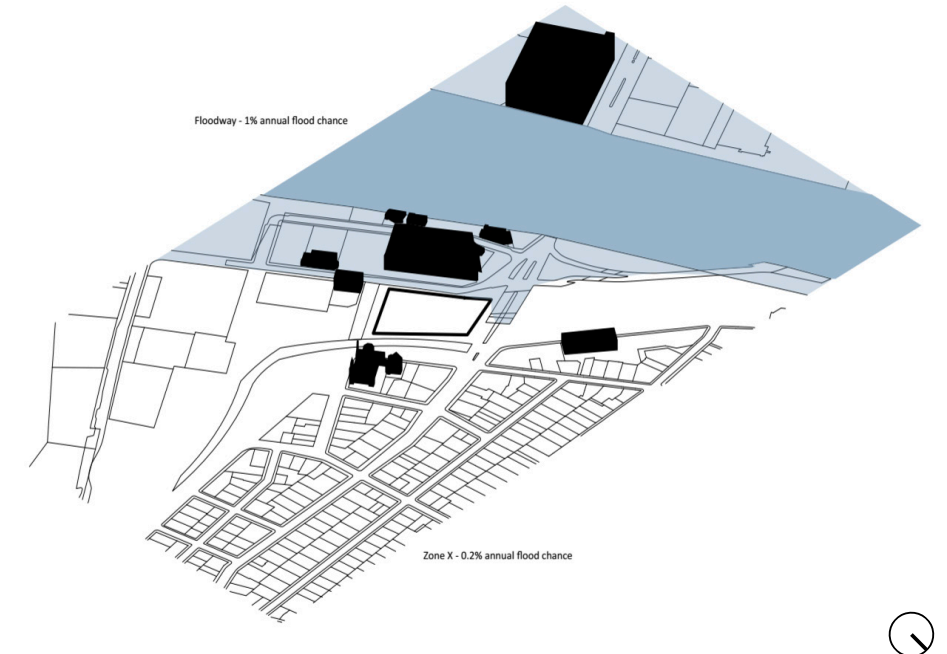
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**FilterScape**  
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**GENERAL**  
 Building Concepts | Pedestrian  
 Circulation

**G004-A**

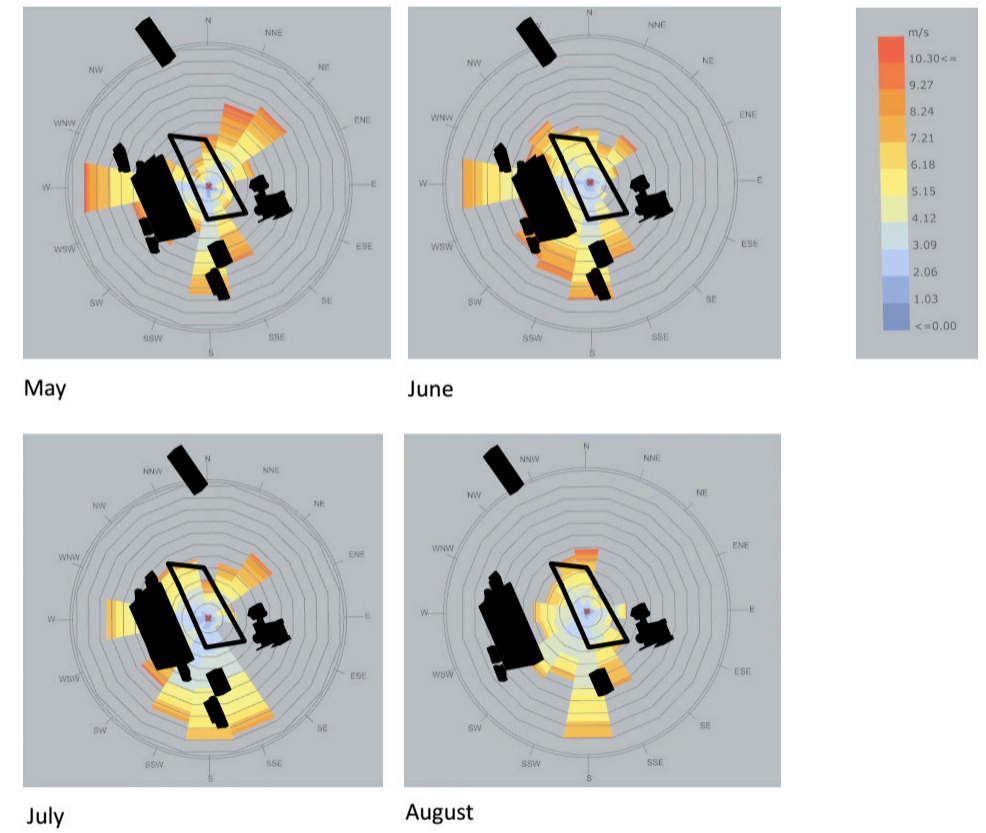
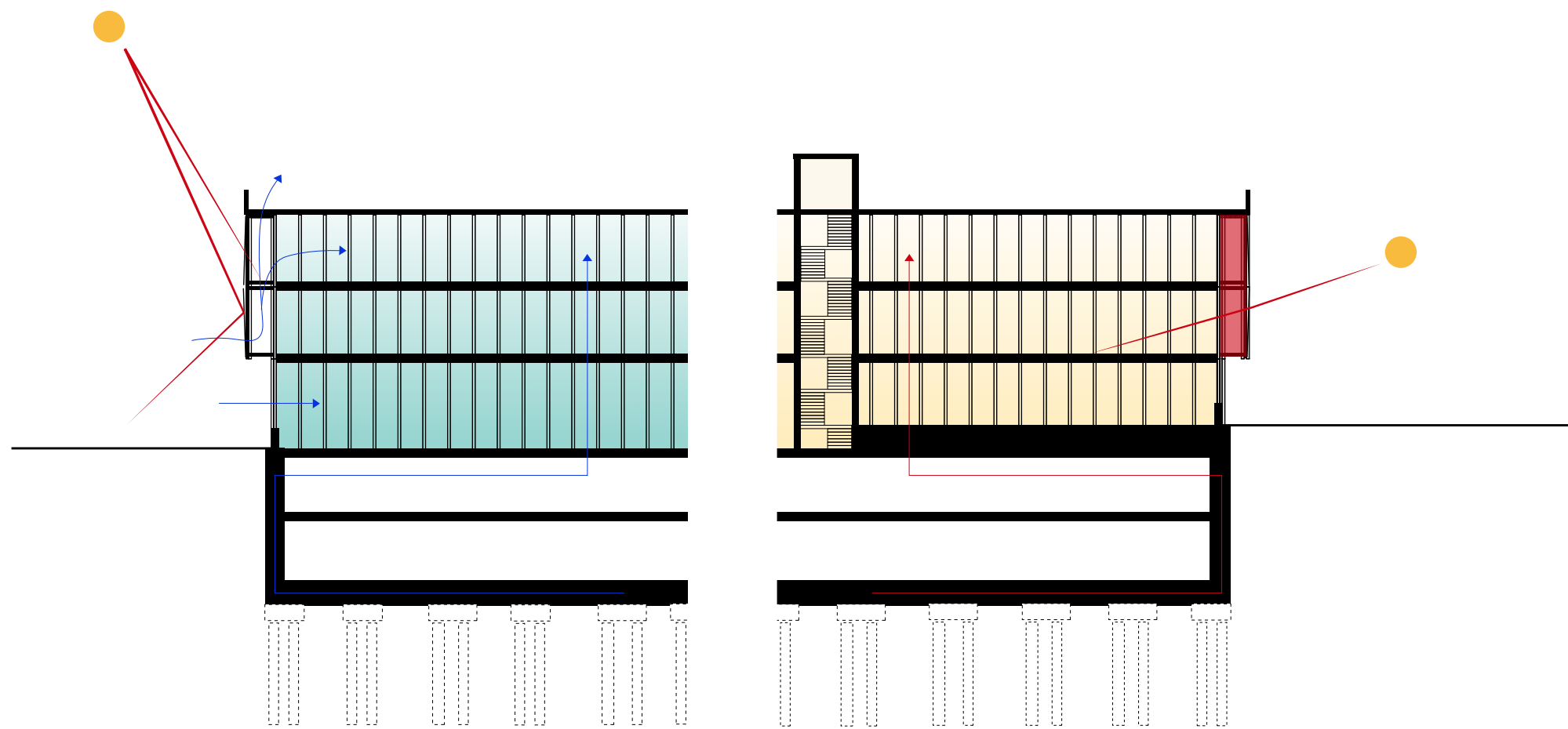
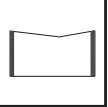


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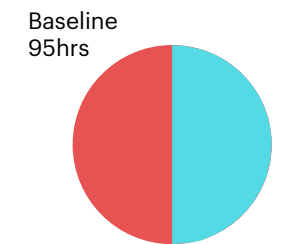
**FilterScape**  
**Commercial Building**  
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**GENERAL**  
 Building Concepts | Flood Map

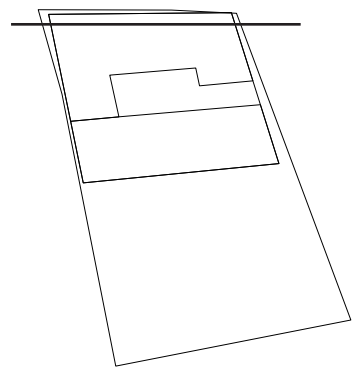
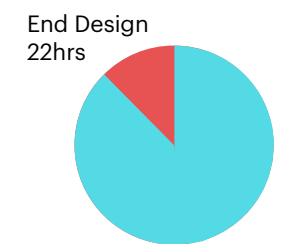
**G004-B**



Overheating Hours during Cooling Season (July)



Overheating Hours during Cooling Season (July)



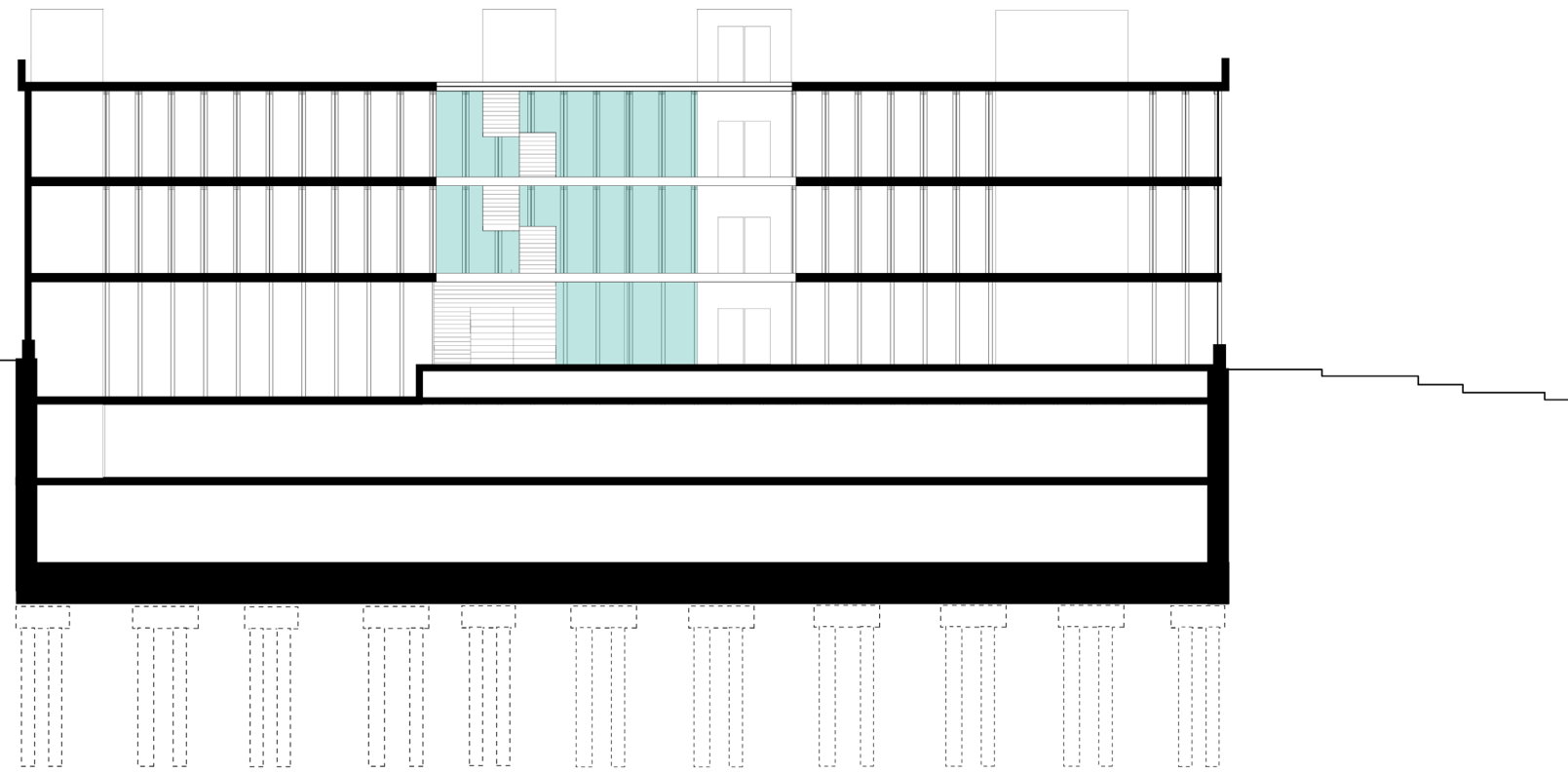
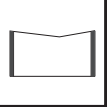
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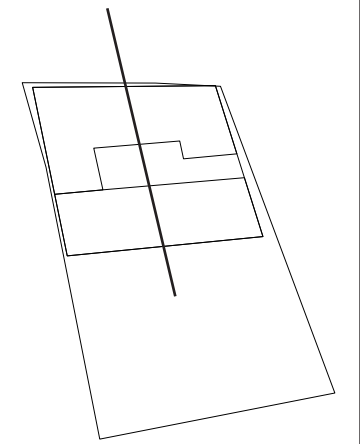
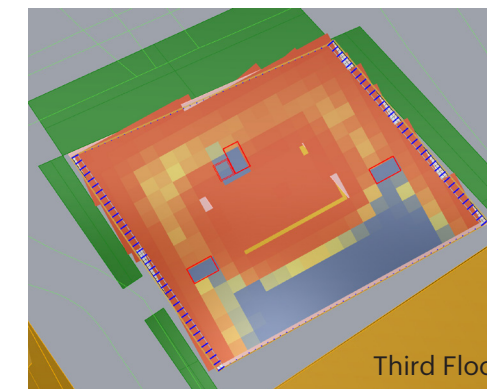
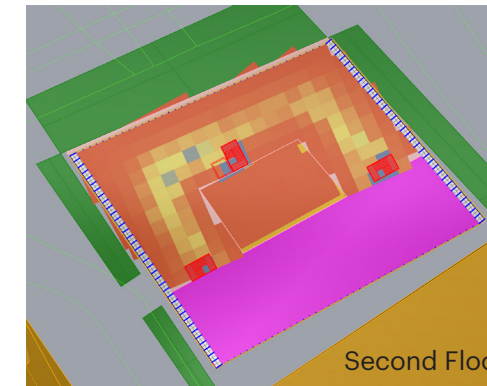
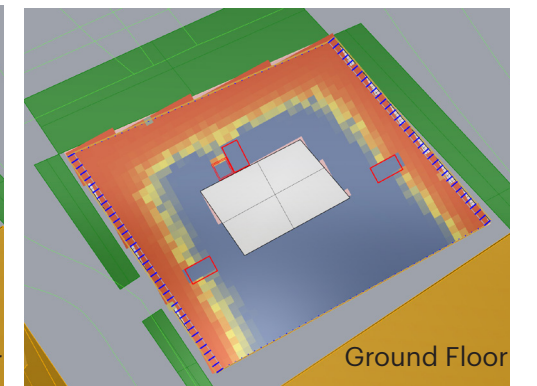
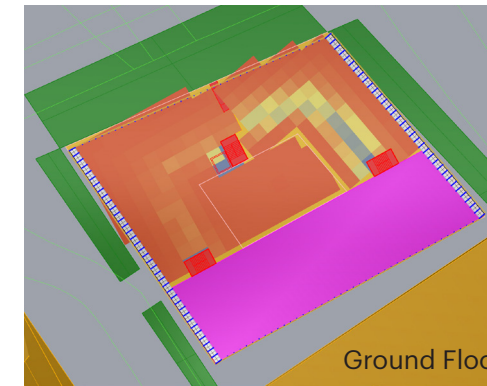
**GENERAL**  
 Building Concepts | Ventilation  
 Analysis

**G004-C**



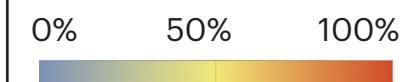
With Atrium  
**90% Daylit Area**

No Atrium  
**45% Daylit Area**



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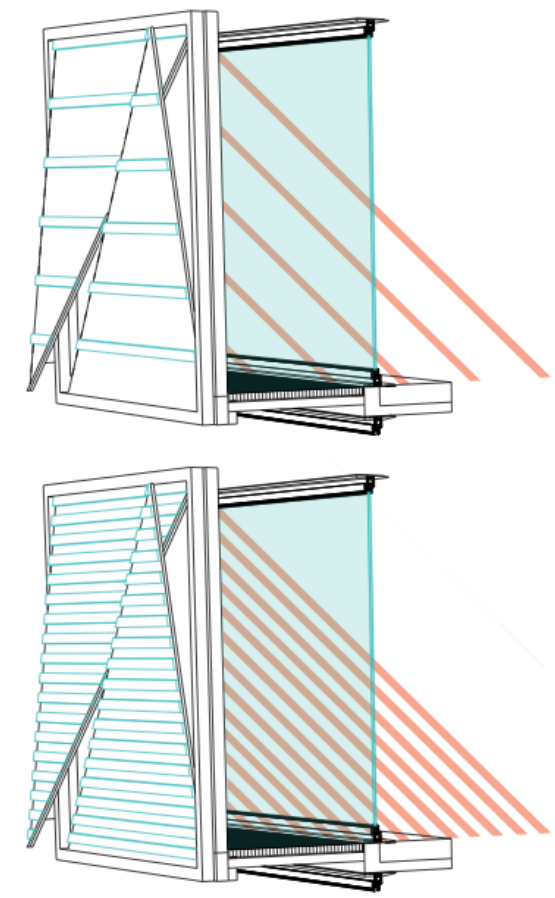
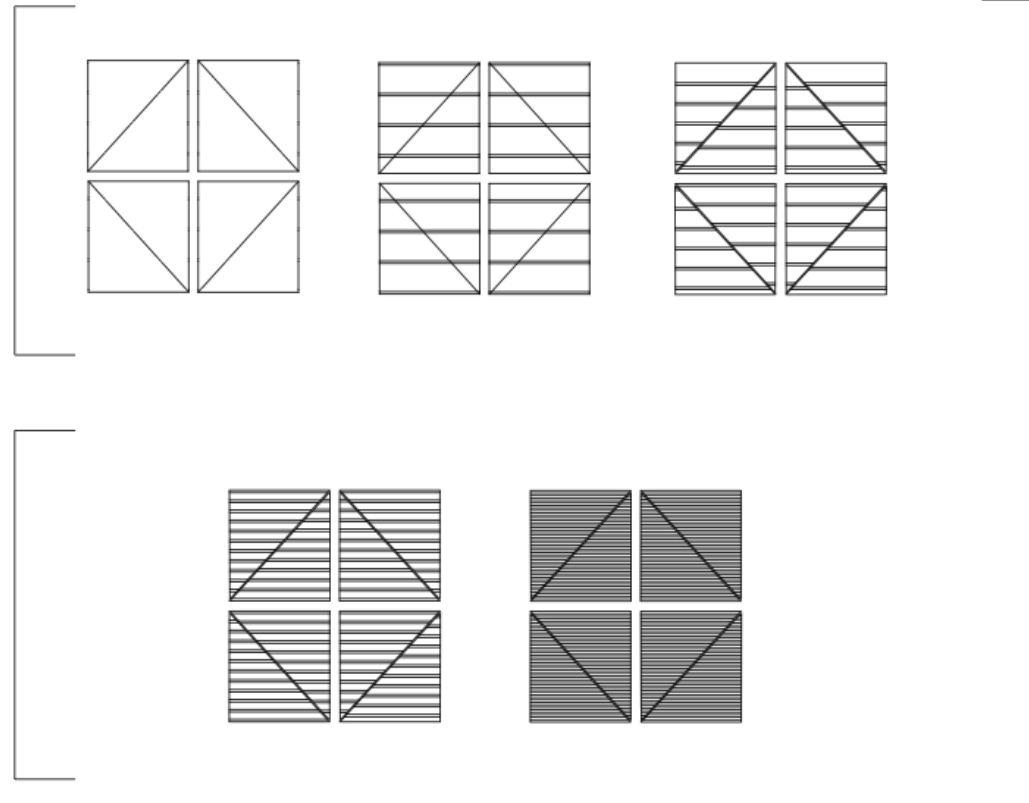
**FilterScape**  
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**GENERAL**  
Building Concepts | Daylight  
Autonomy

**G004-D**

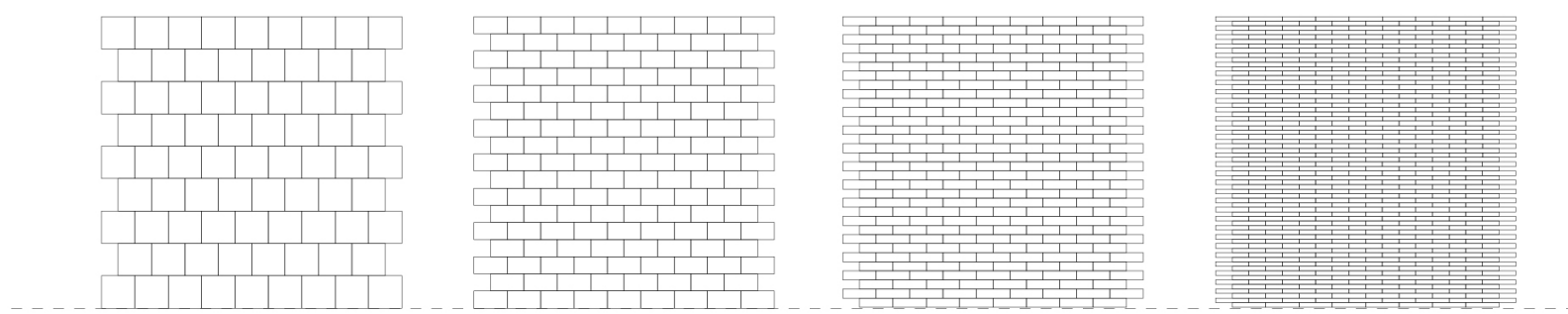
Upper Levels Louver Density



100% - 89%

75% - 50%

Ground Floor/ Brick Pattern



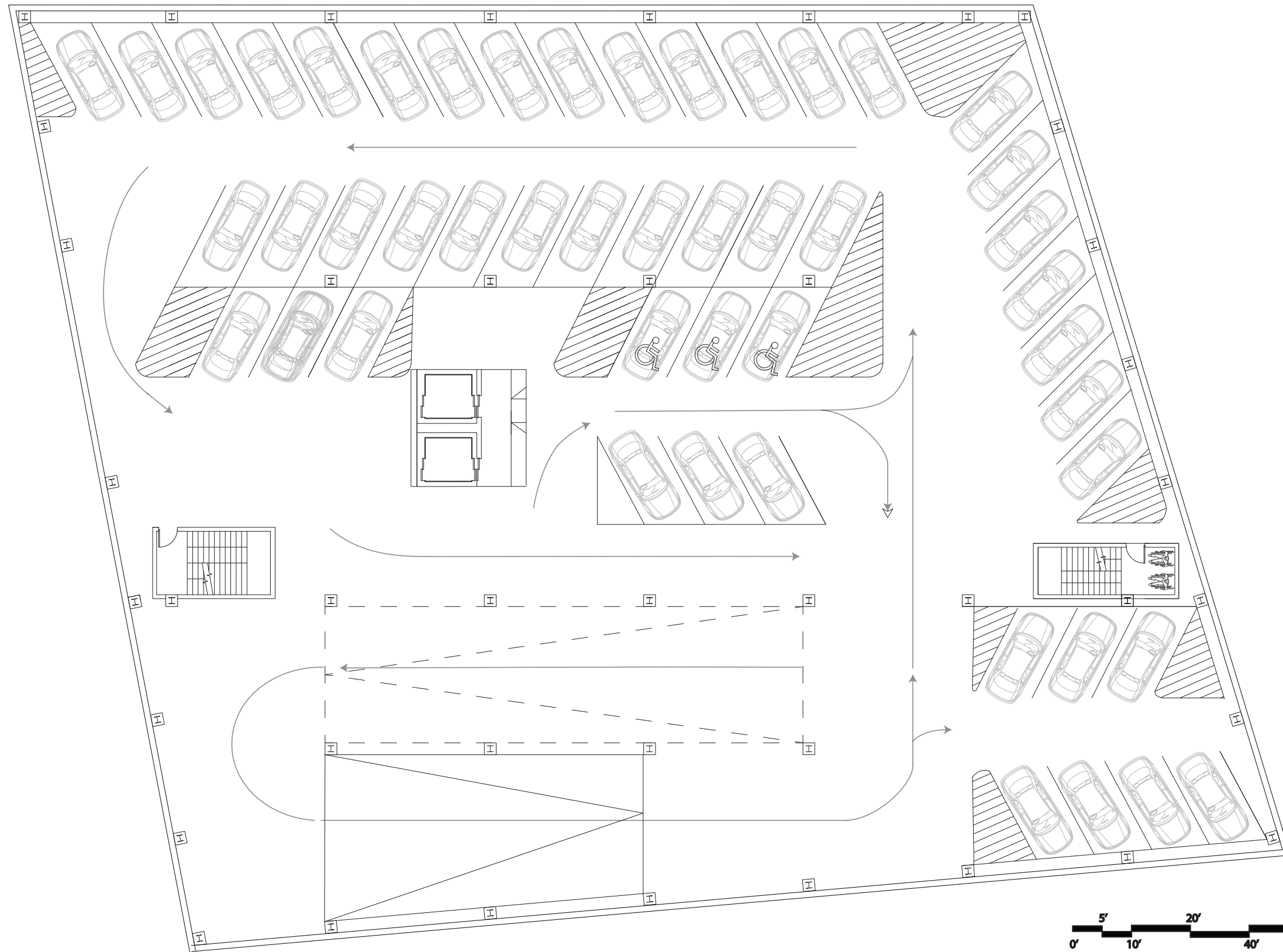
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**GENERAL**  
 Building Concepts | Facade Design  
**G004-E**





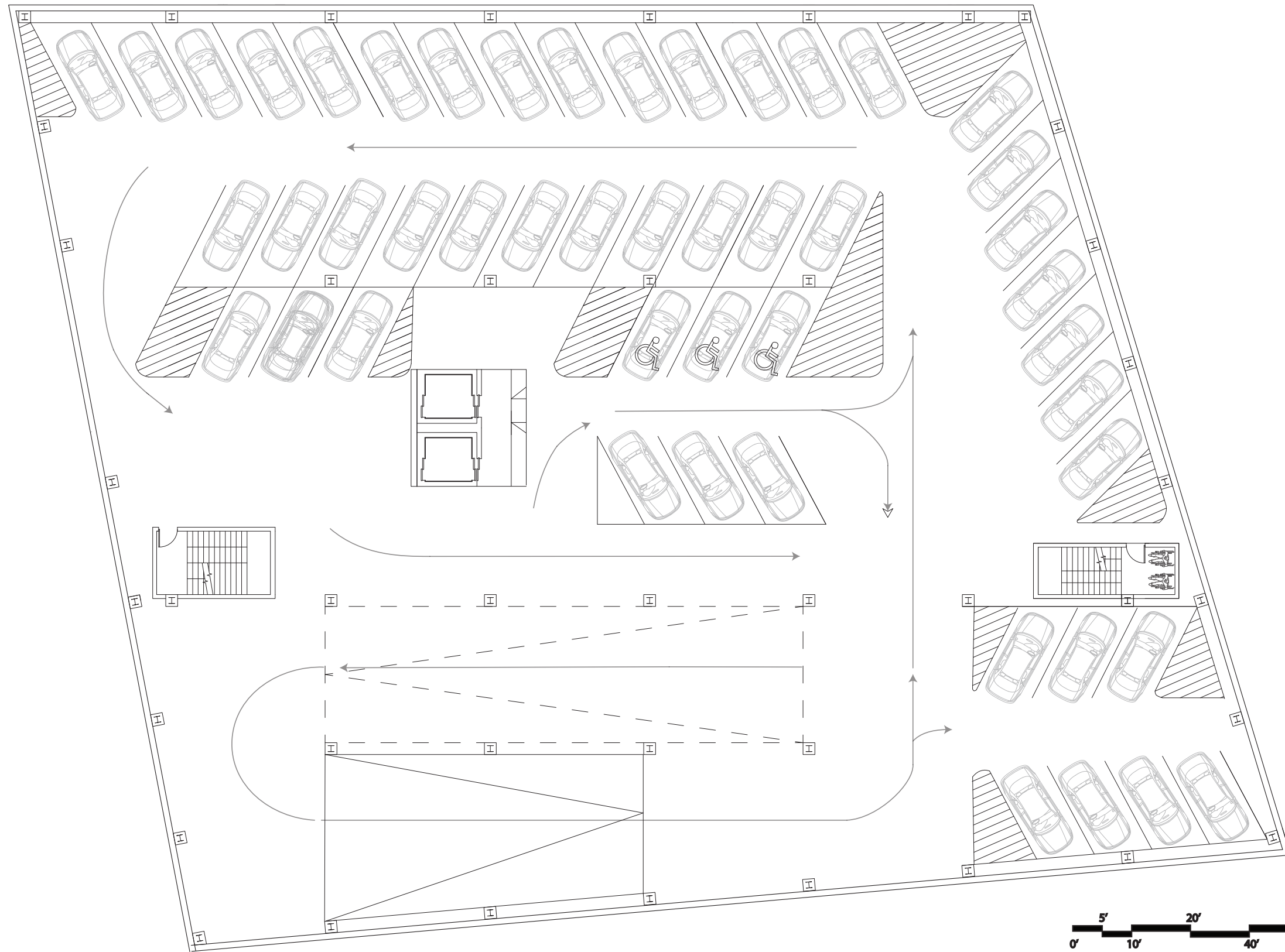
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 Commercial Building  
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LANDSCAPE  
 B2 Parking Plan

L100



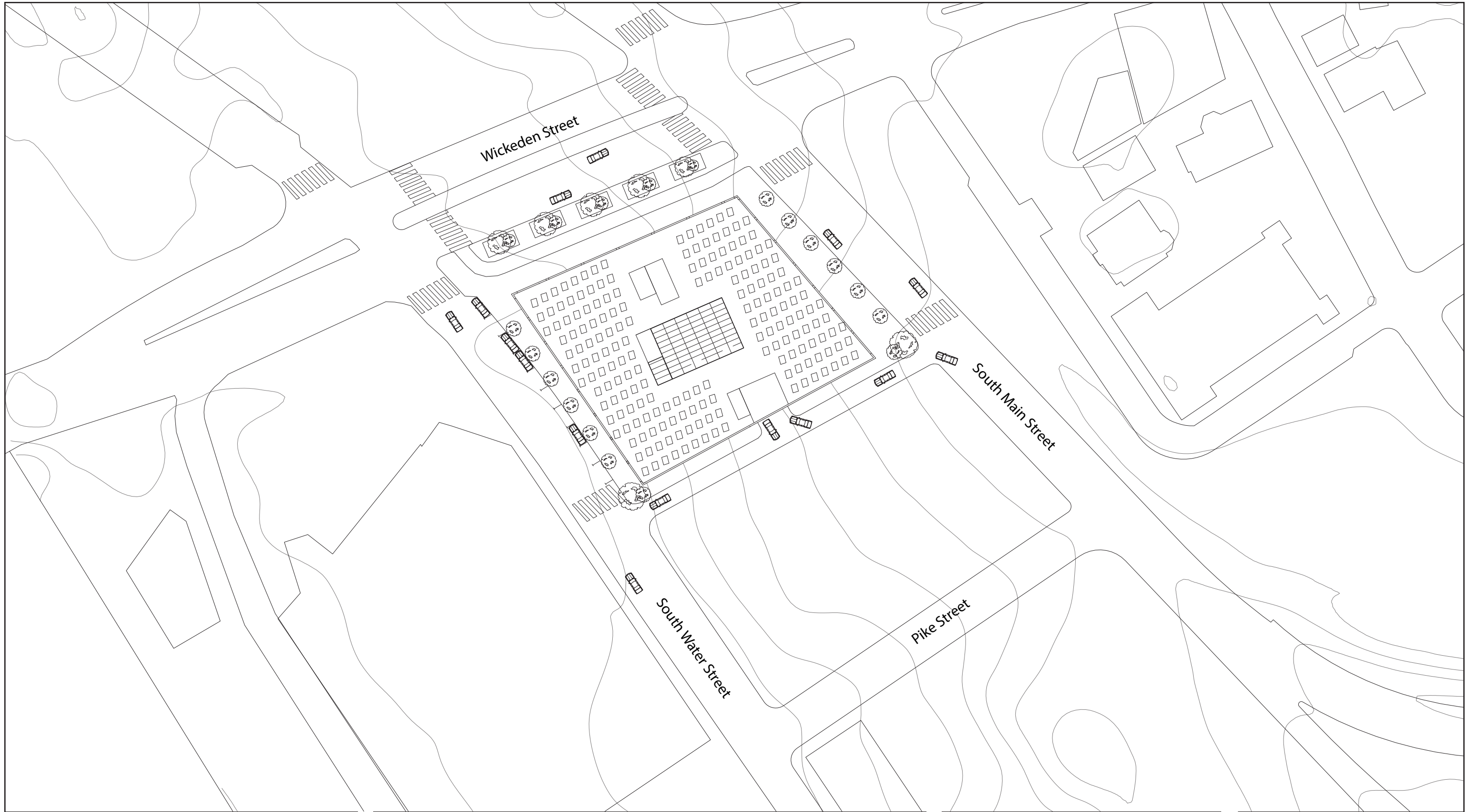
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**FilterScape**  
 Commercial Building  
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LANDSCAPE  
 B1 Parking Plan



L101



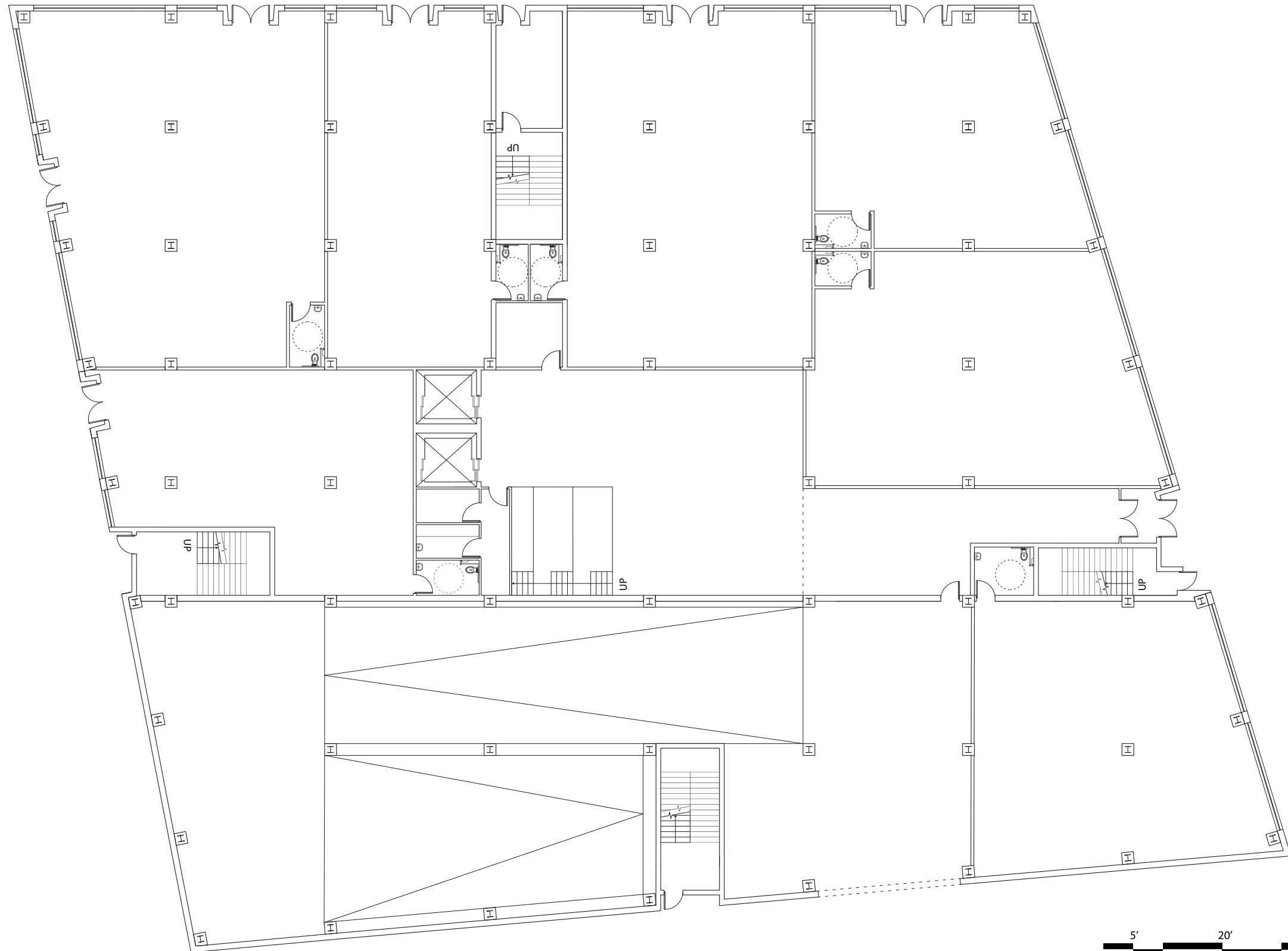
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**Commercial Building**  
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**LANDSCAPE**  
Site Plan

**L102**



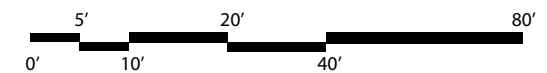
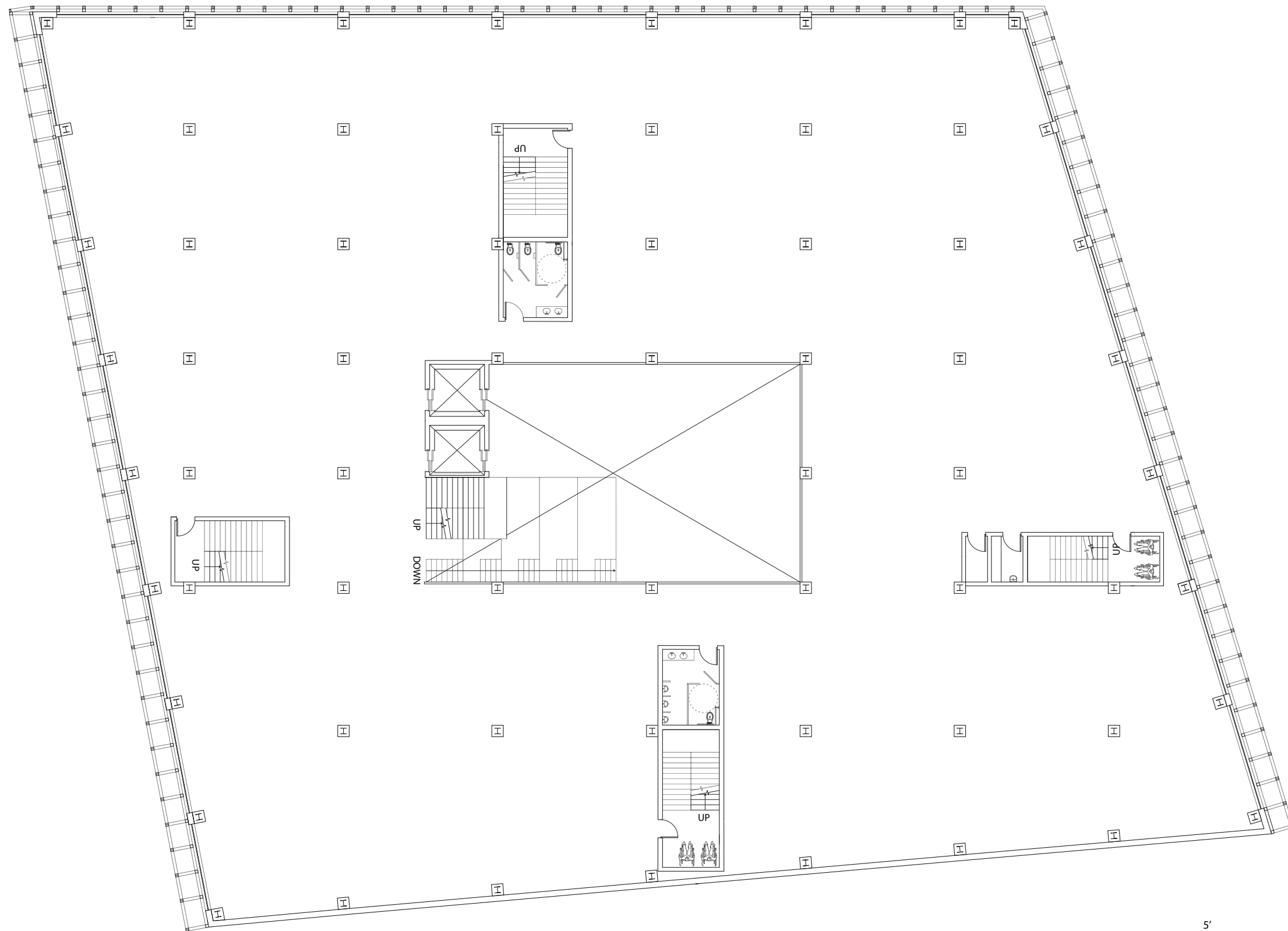
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**ARCHITECTURAL**  
 Building Plans | Ground Floor



**A100**



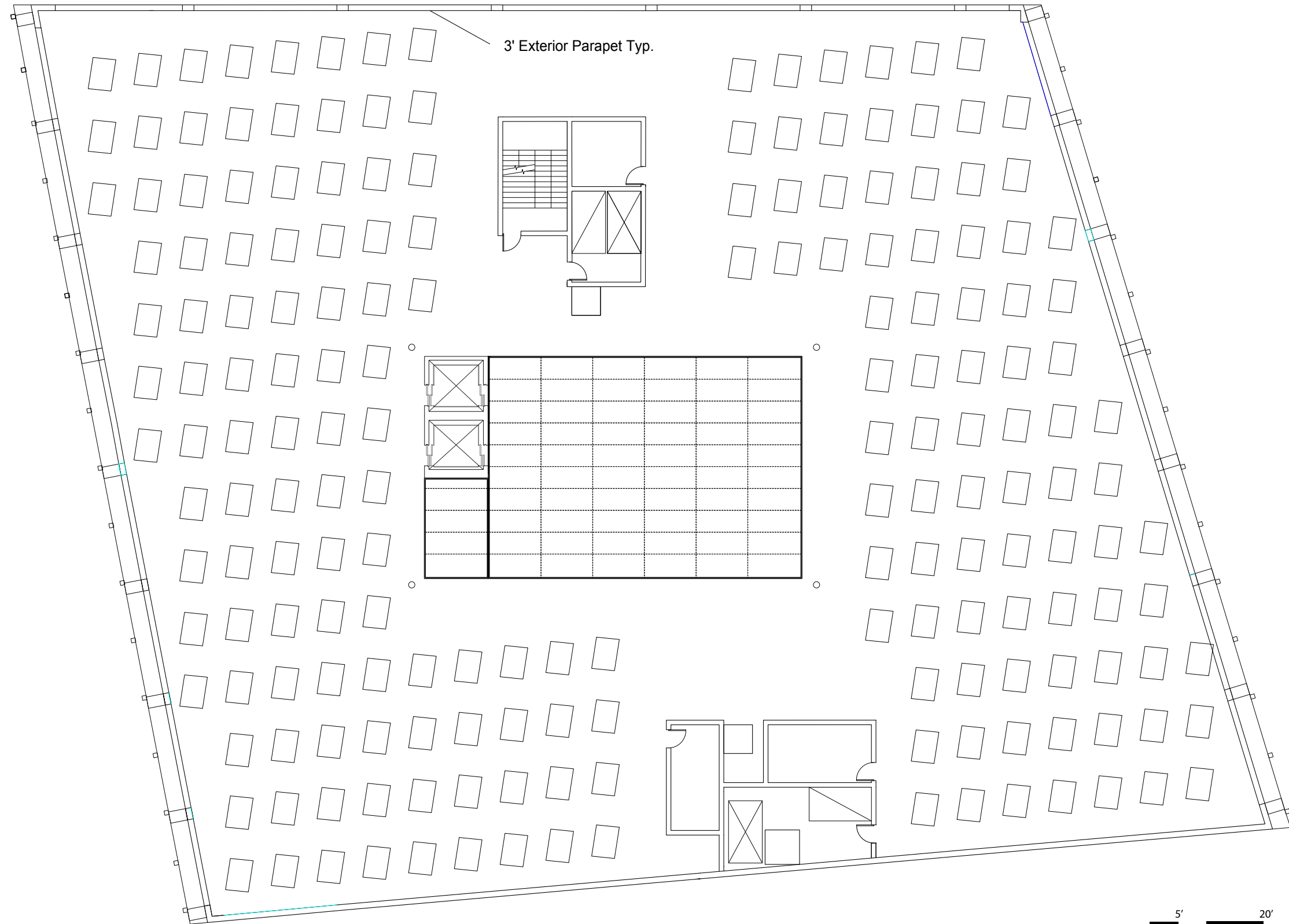
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**ARCHITECTURAL**  
 Building Plans | Upper Floors

**A101**



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# FilterScape

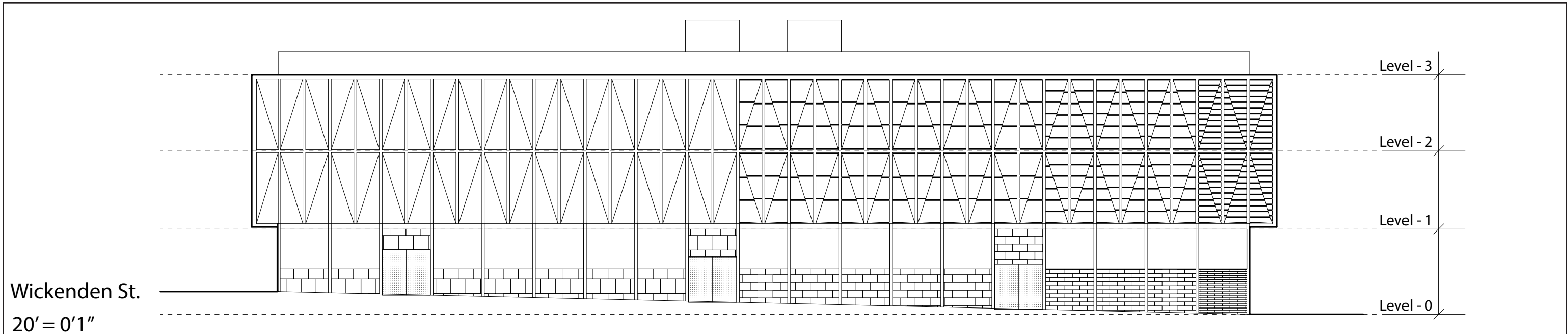
Commercial Building

117 Wickenden Street, Providence RI 02903

**ARCHITECTURAL**  
Building Plans | Roof Plan

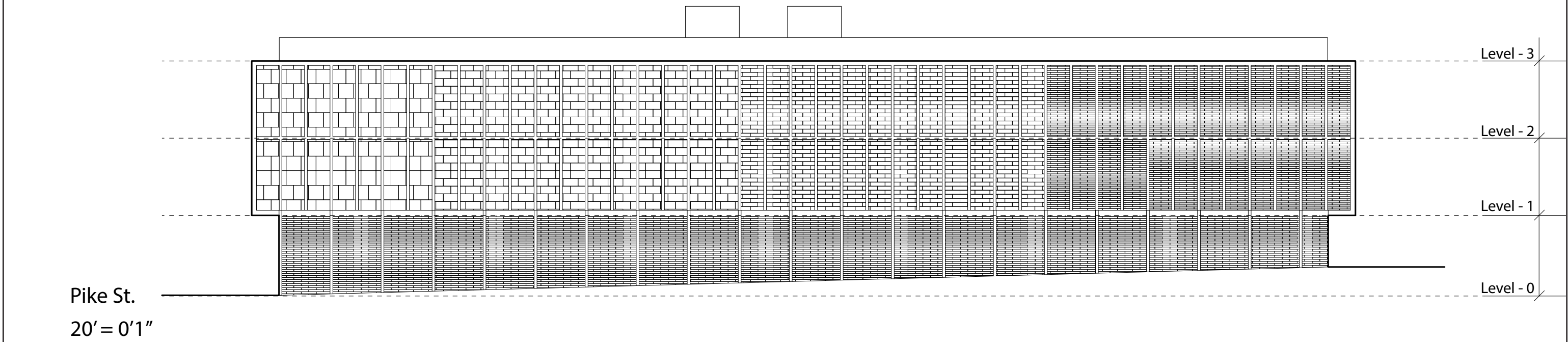


**A102**



Wickenden St.  
20' = 0'1"

Level - 3  
Level - 2  
Level - 1  
Level - 0



Pike St.  
20' = 0'1"

Level - 3  
Level - 2  
Level - 1  
Level - 0

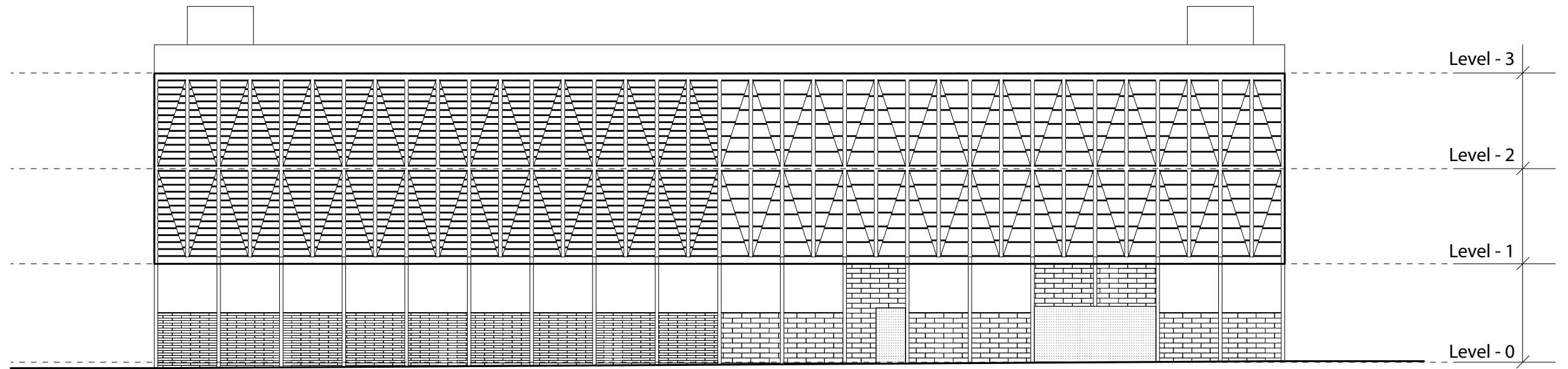
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**FilterScape**  
Commercial Building  
117 Wickenden Street, Providence RI 02903

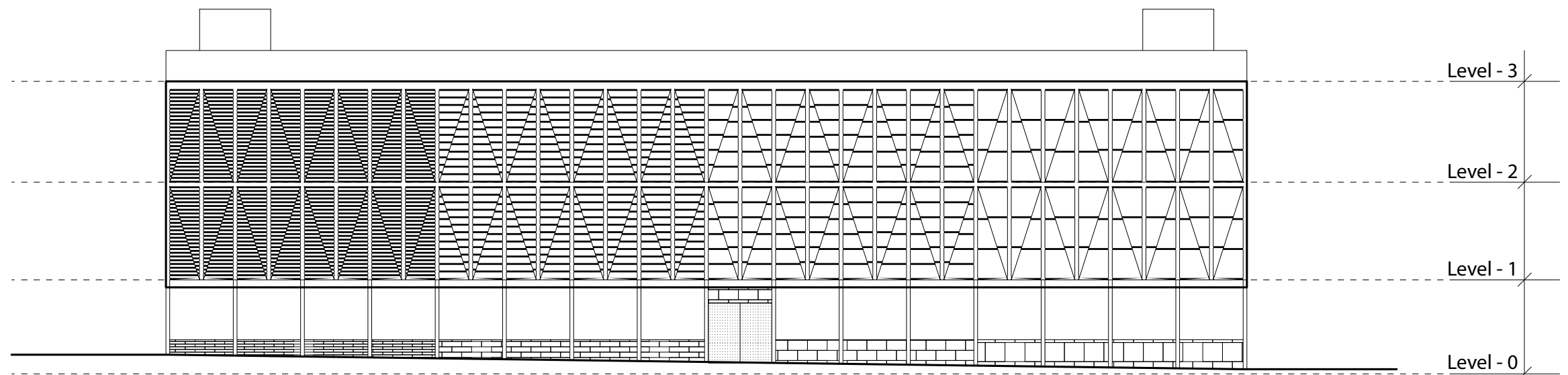
ARCHITECTURAL  
Building Elevations

A200

Southwater St.  
20' = 0'1"



Southmain St.  
20' = 0'1"



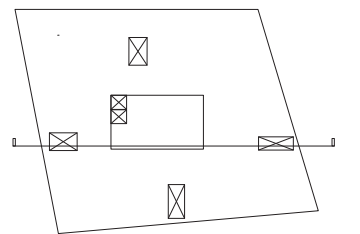
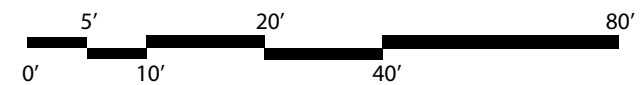
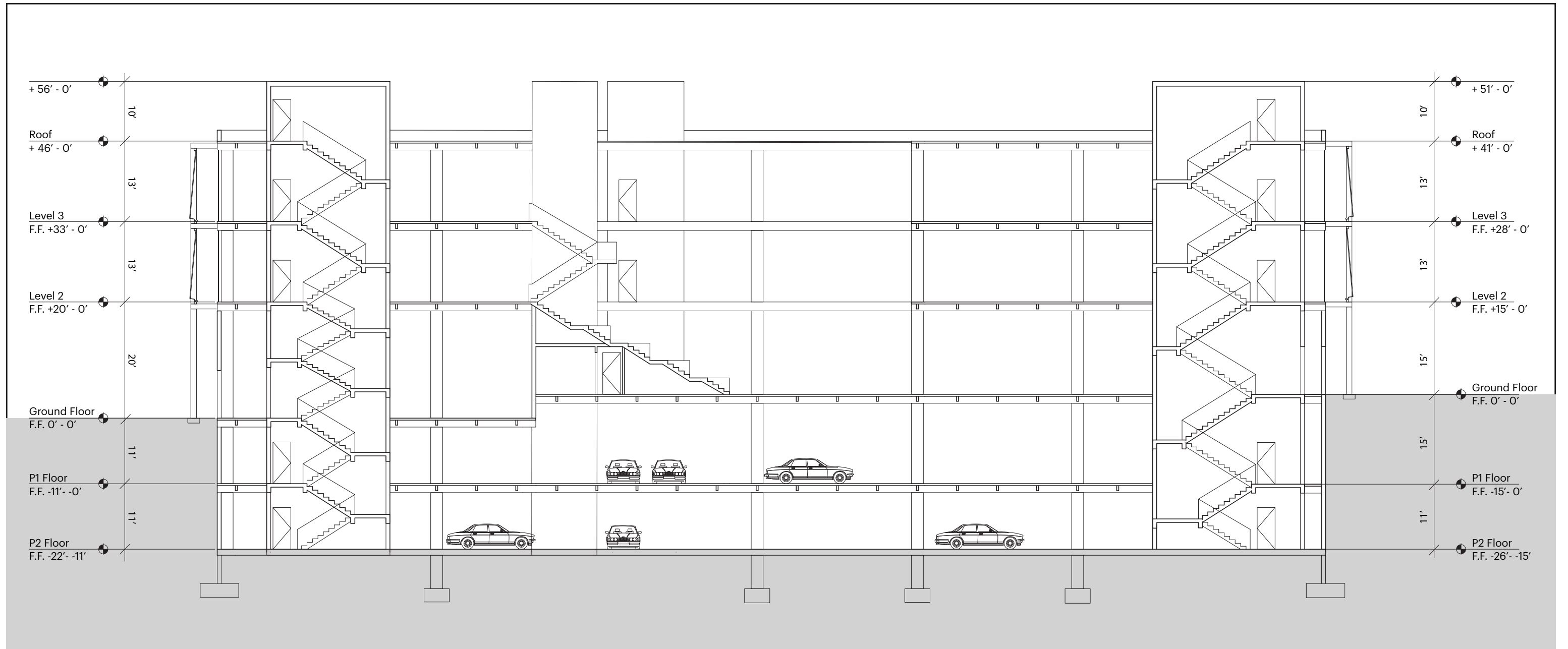
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**FilterScape**  
Commercial Building  
117 Wickenden Street, Providence RI 02903

ARCHITECTURAL  
Building Elevations

A201



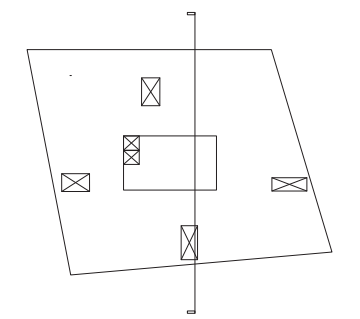
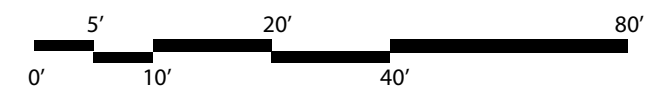
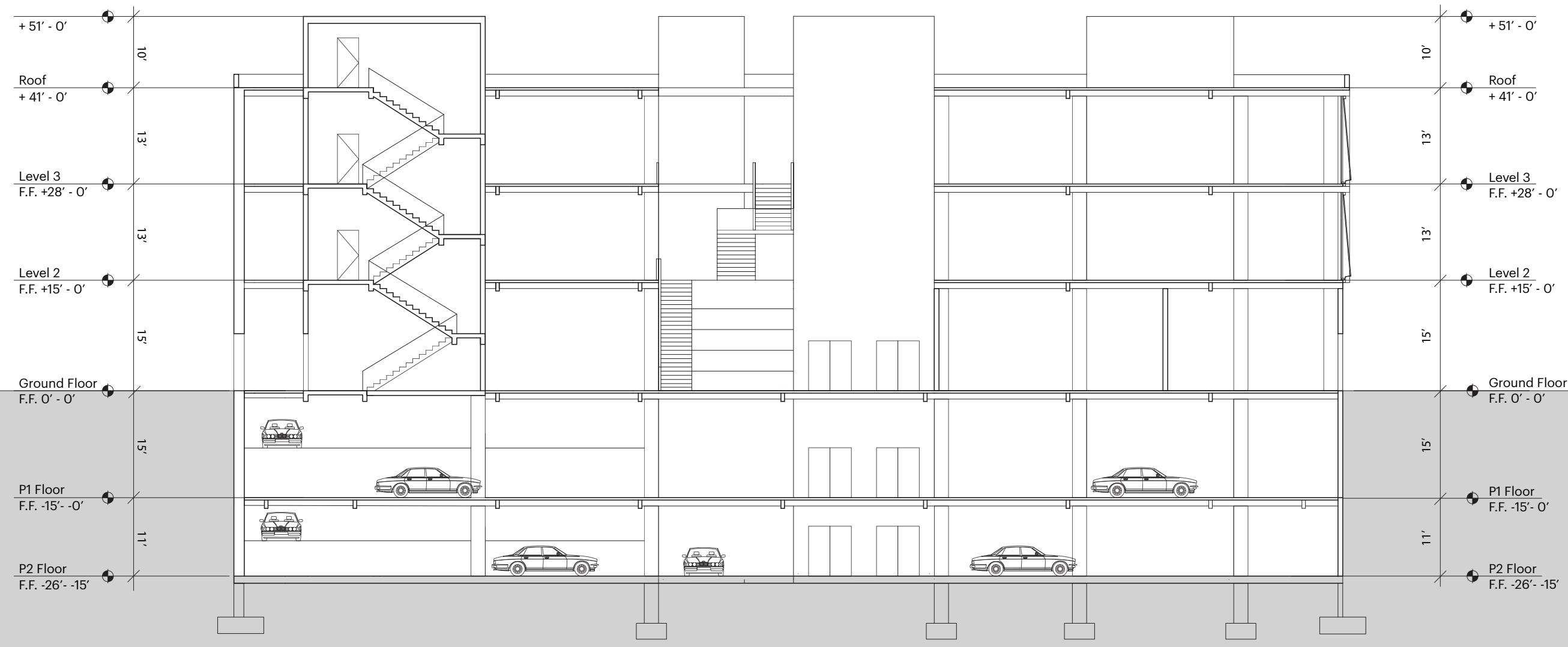


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**FilterScape**  
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ARCHITECTURAL  
 Building Sections | Section A

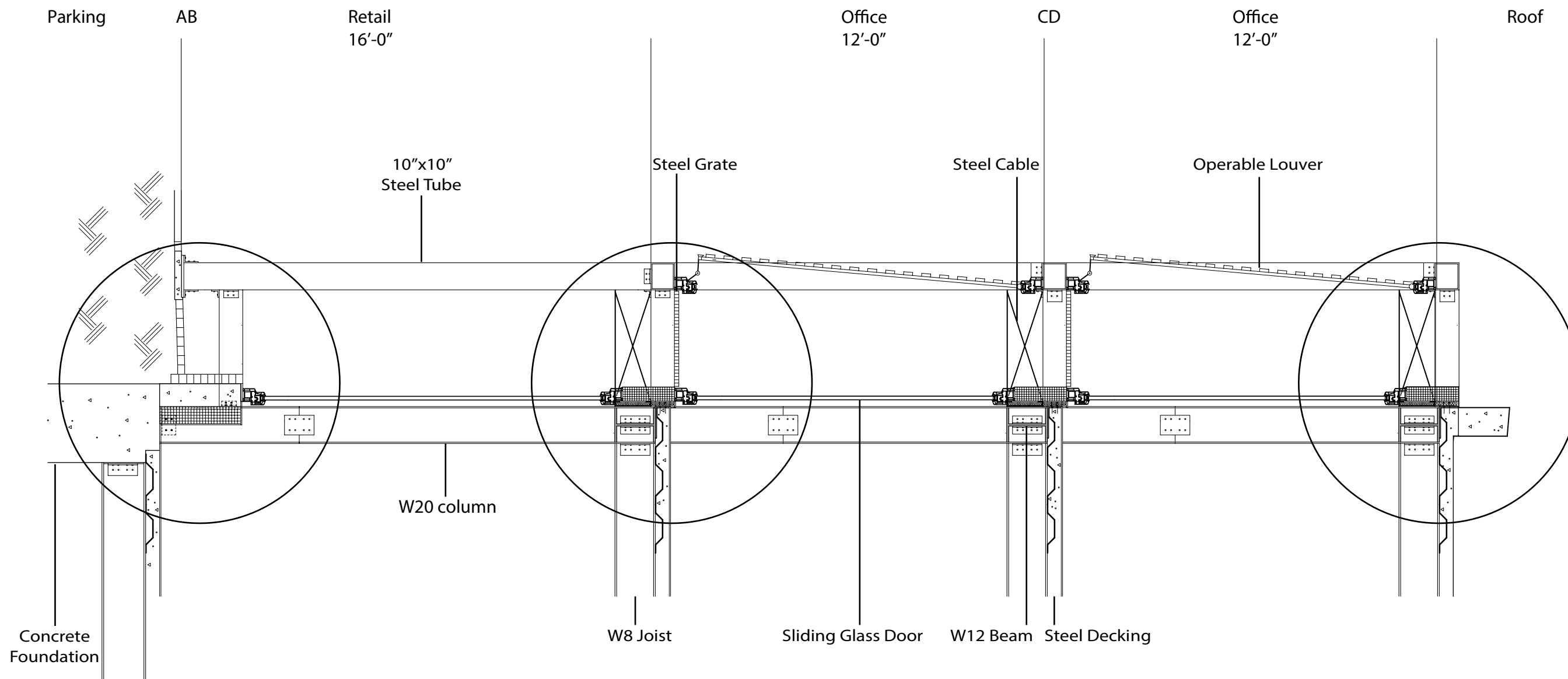
A300



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Commercial Building  
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**ARCHITECTURAL**  
Building Sections | Section B  
**A301**

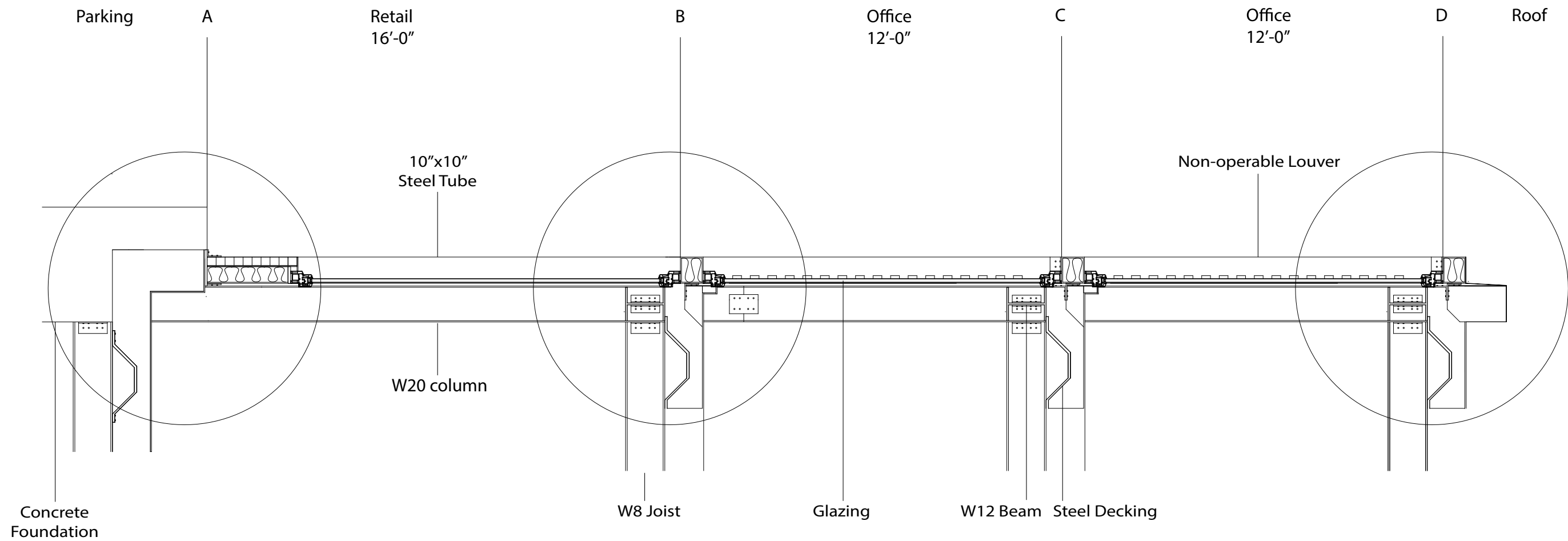


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**FilterScape**  
 Commercial Building  
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ARCHITECTURAL  
 Principle Wall Sections | Double Skin

A400

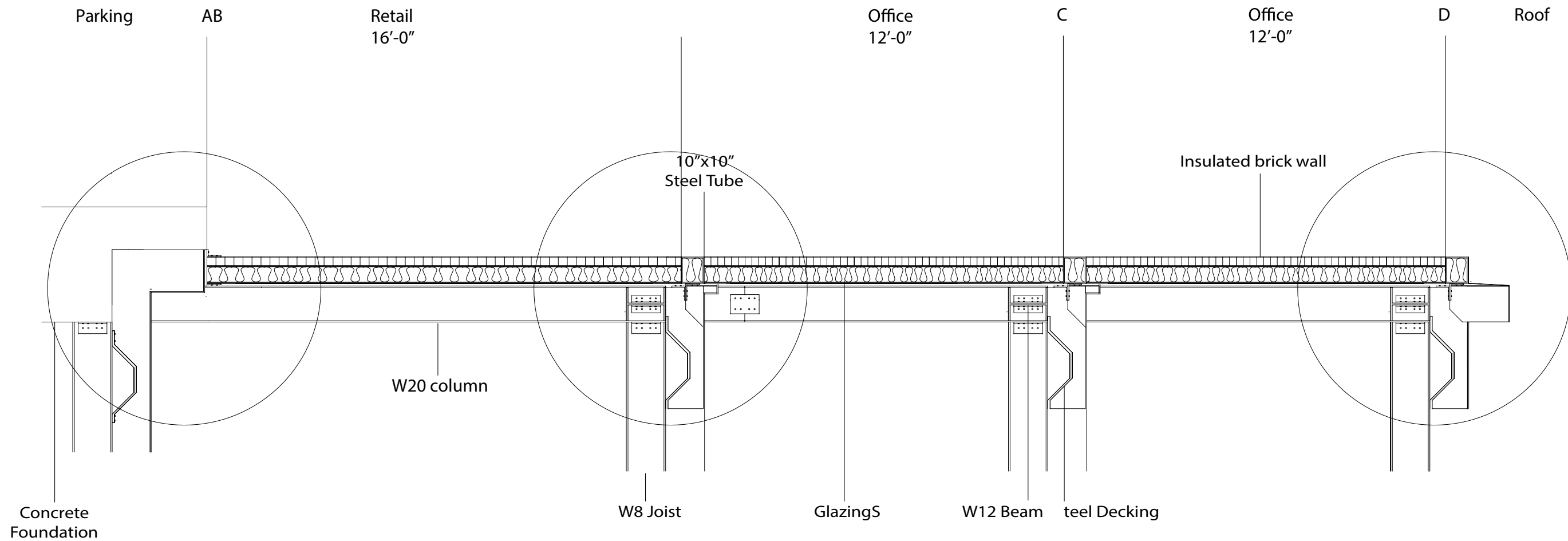


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**FilterScape**  
**Commercial Building**  
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**ARCHITECTURAL**  
 Principle Wall Sections | Glass  
 Curtain Wall

**A401**

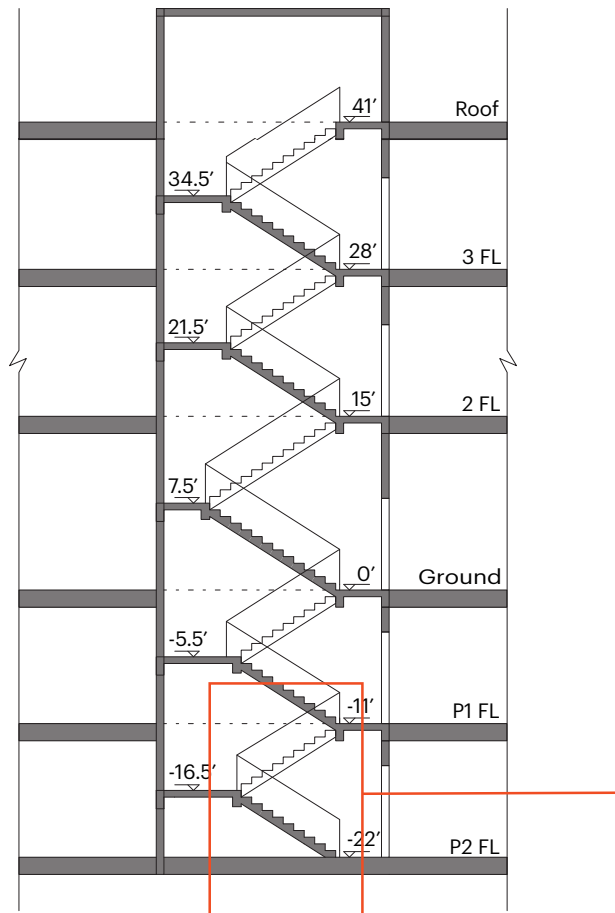


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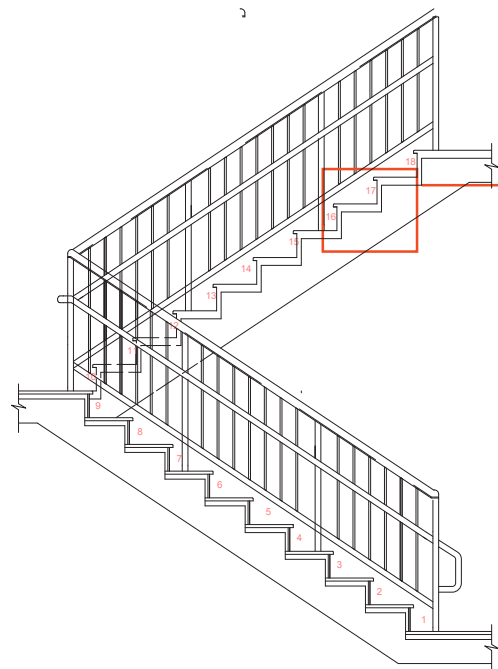
ARCHITECTURAL  
 Principle Wall Sections | Brick Wall

A402



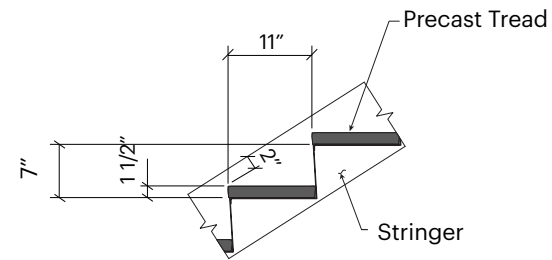
1/16" = 1'-0"

### Stair Rail Construction

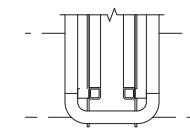
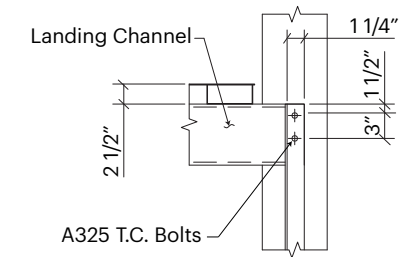


Elevation 1/4" = 1'-0"

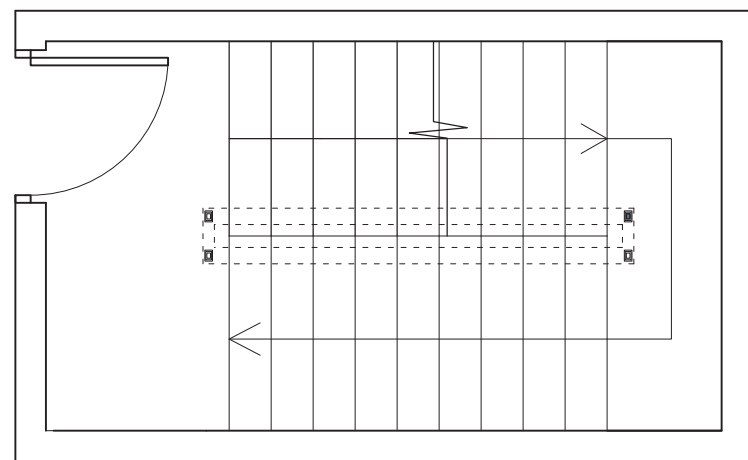
### Tread/Riser Construction



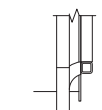
### Smooth Plate Landing



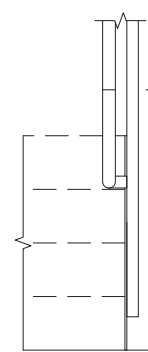
Top View



Plan View 1/4" = 1'-0"

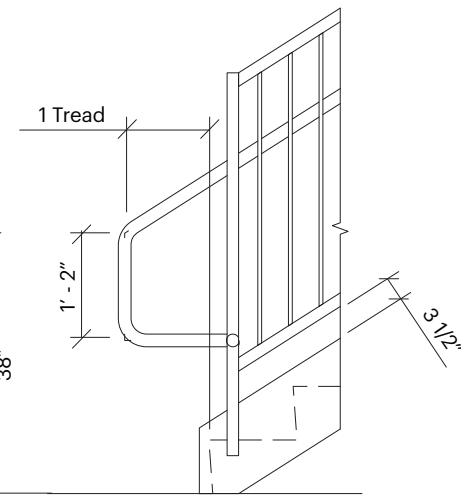


Top View

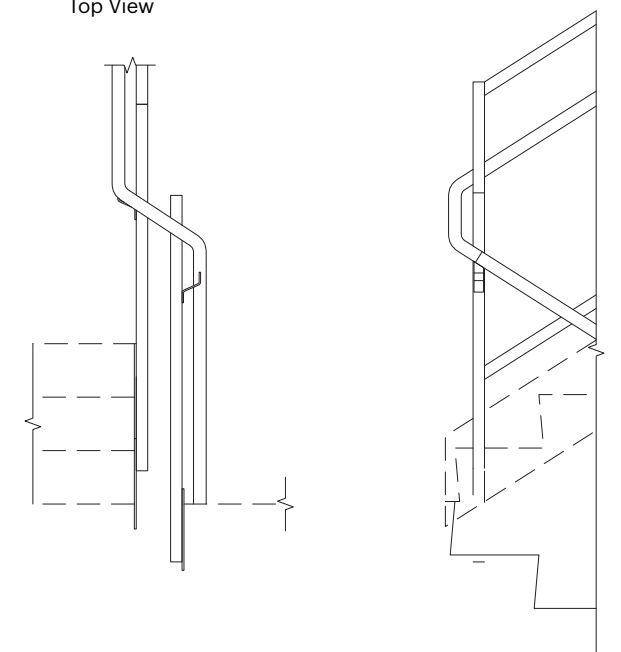


End View

Starter Rail without level off hand rail



Elevation



End View

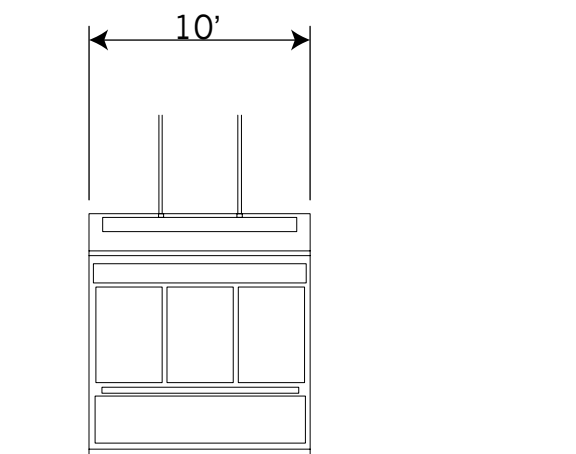
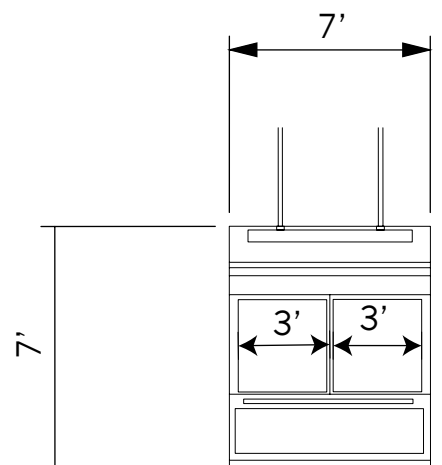
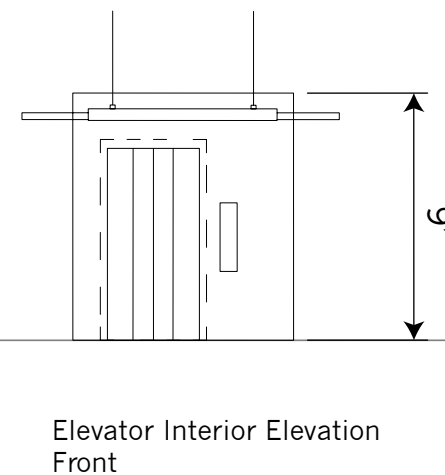
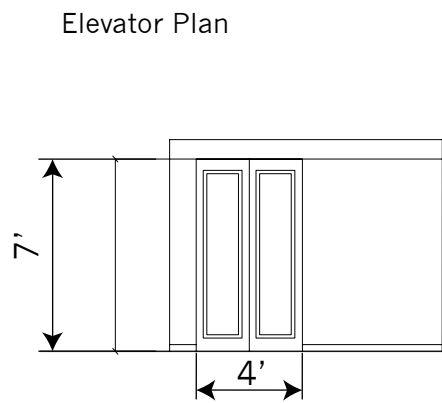
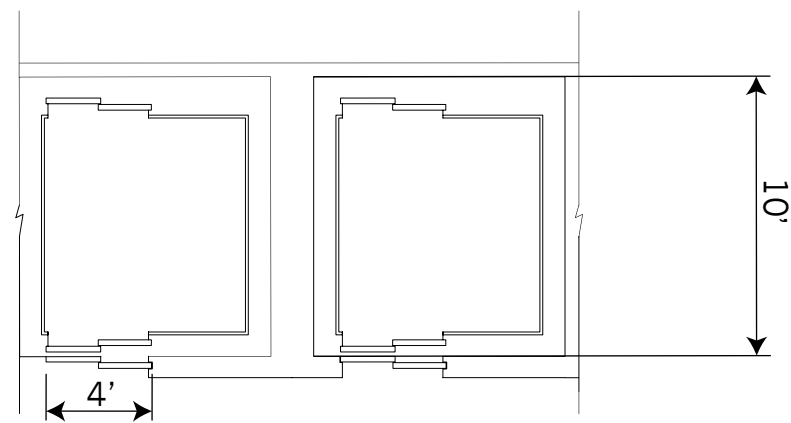
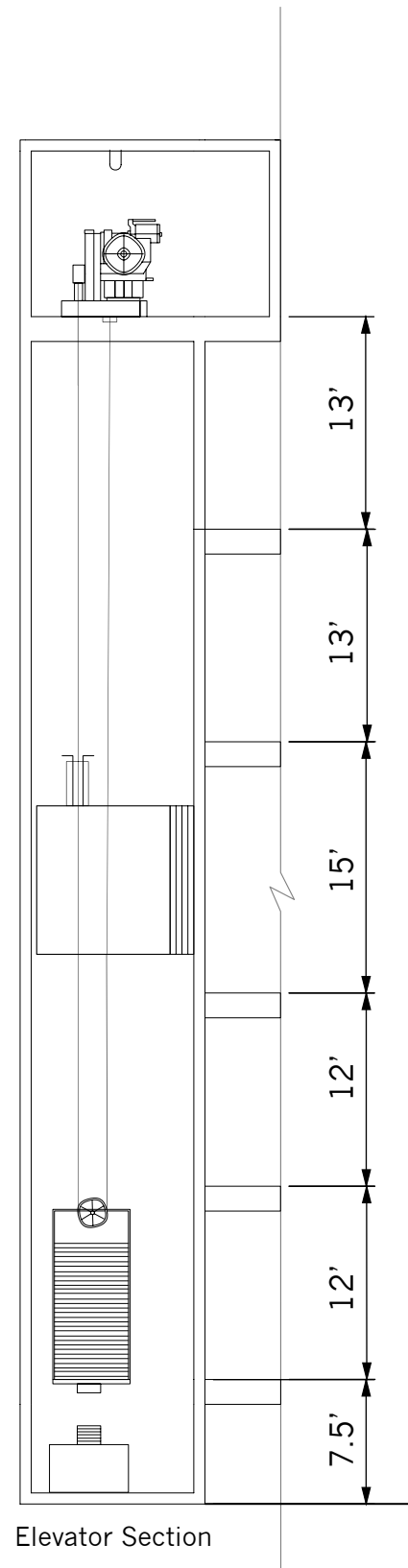
Rail with standard top - standard bottom

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Commercial Building  
117 Wickenden Street, Providence RI 02903

ARCHITECTURAL  
Vertical Circulation

A500

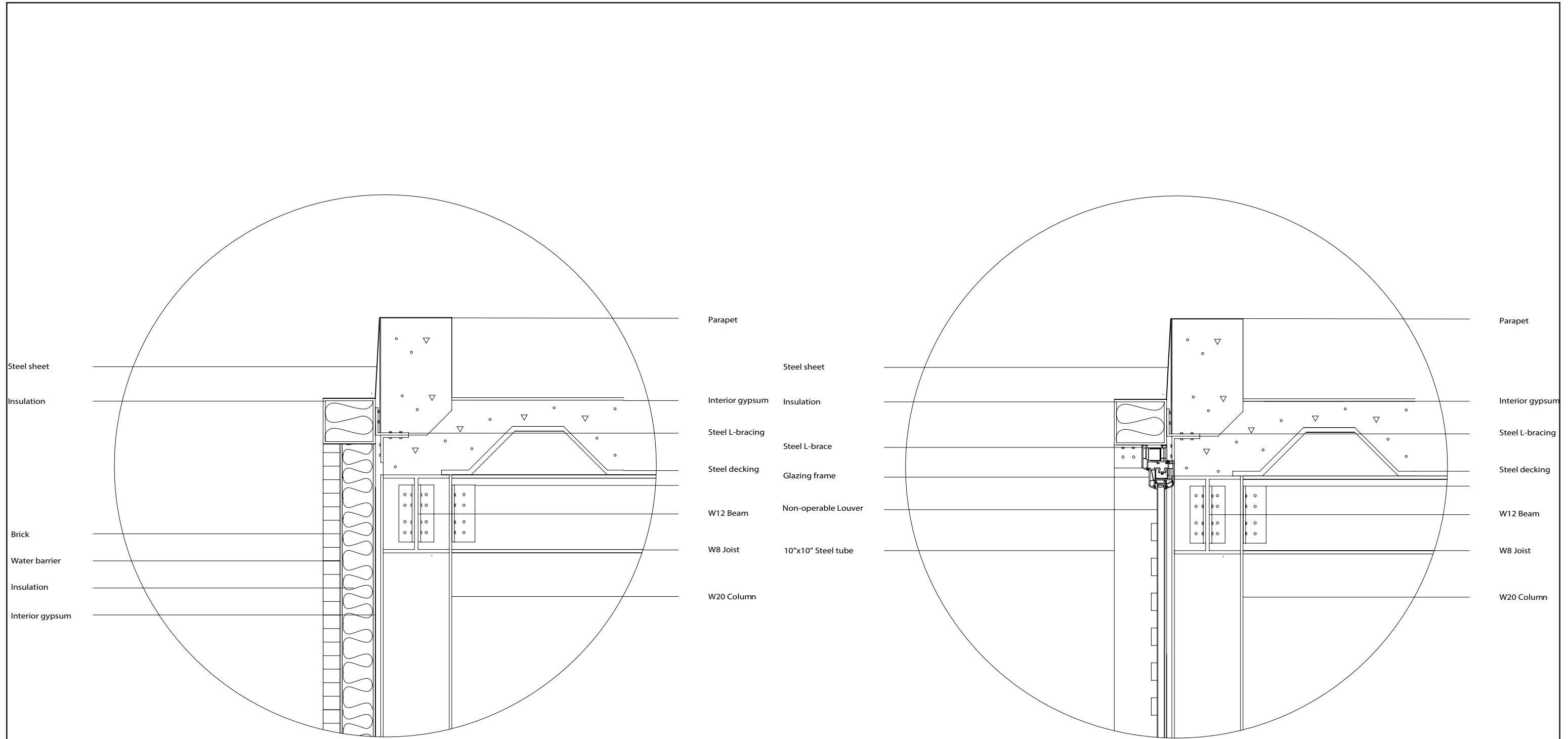


2016 INTEGRATED BUILDING SYSTEMS  
 ARCH 2178  
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 Iris Kim | Jiseon Park | Natasha Ruiz

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 Commercial Building  
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ARCHITECTURAL  
 Vertical Circulation  
 Elevator Detail

A501



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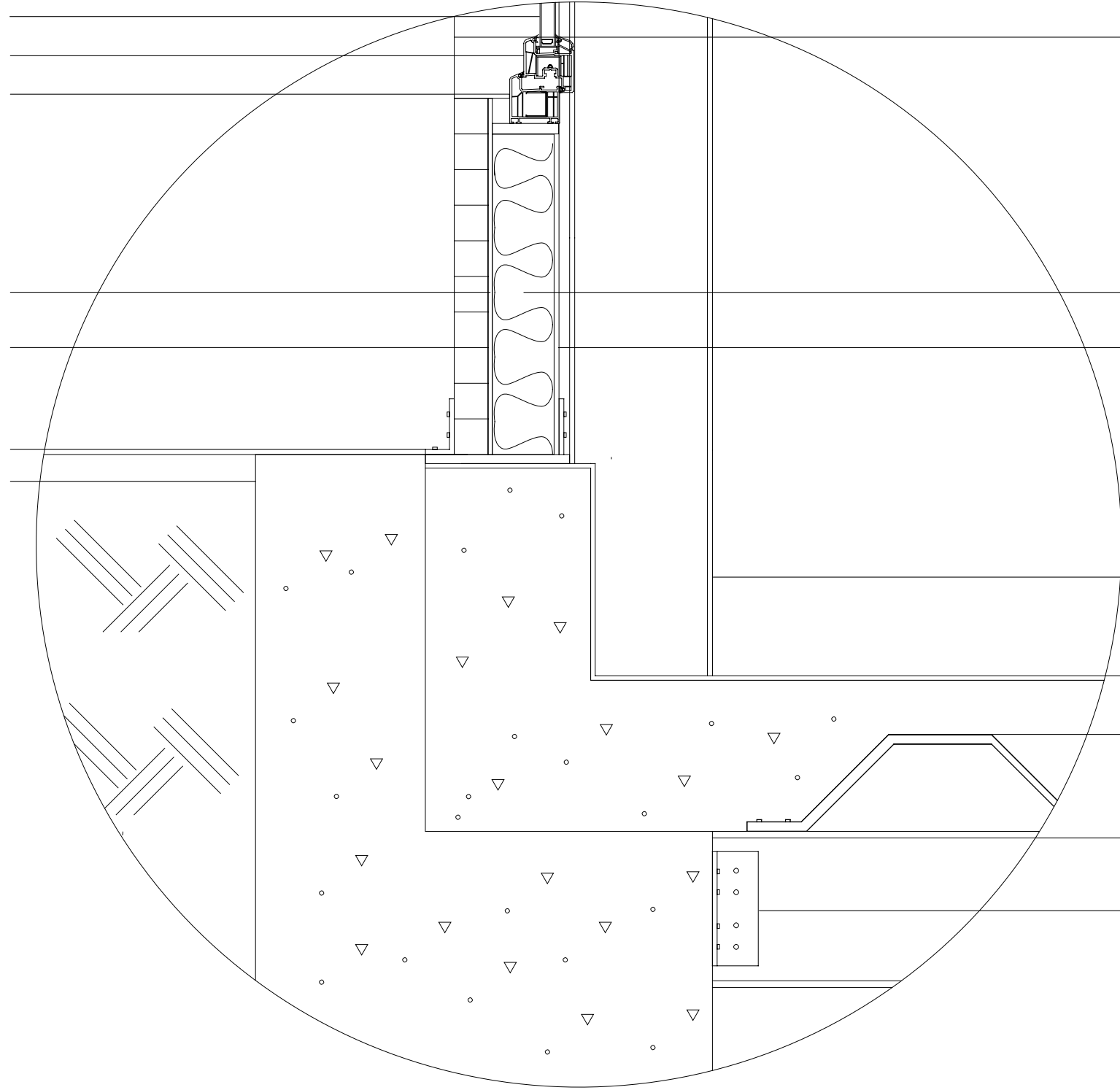
ARCHITECTURAL  
 Roof Details

A700



at atrium  
1/A701

Glazing  
Glazing frame  
Water barrier  
  
Water barrier  
Brick cladding  
  
Steel L-brace  
Concrete foundation



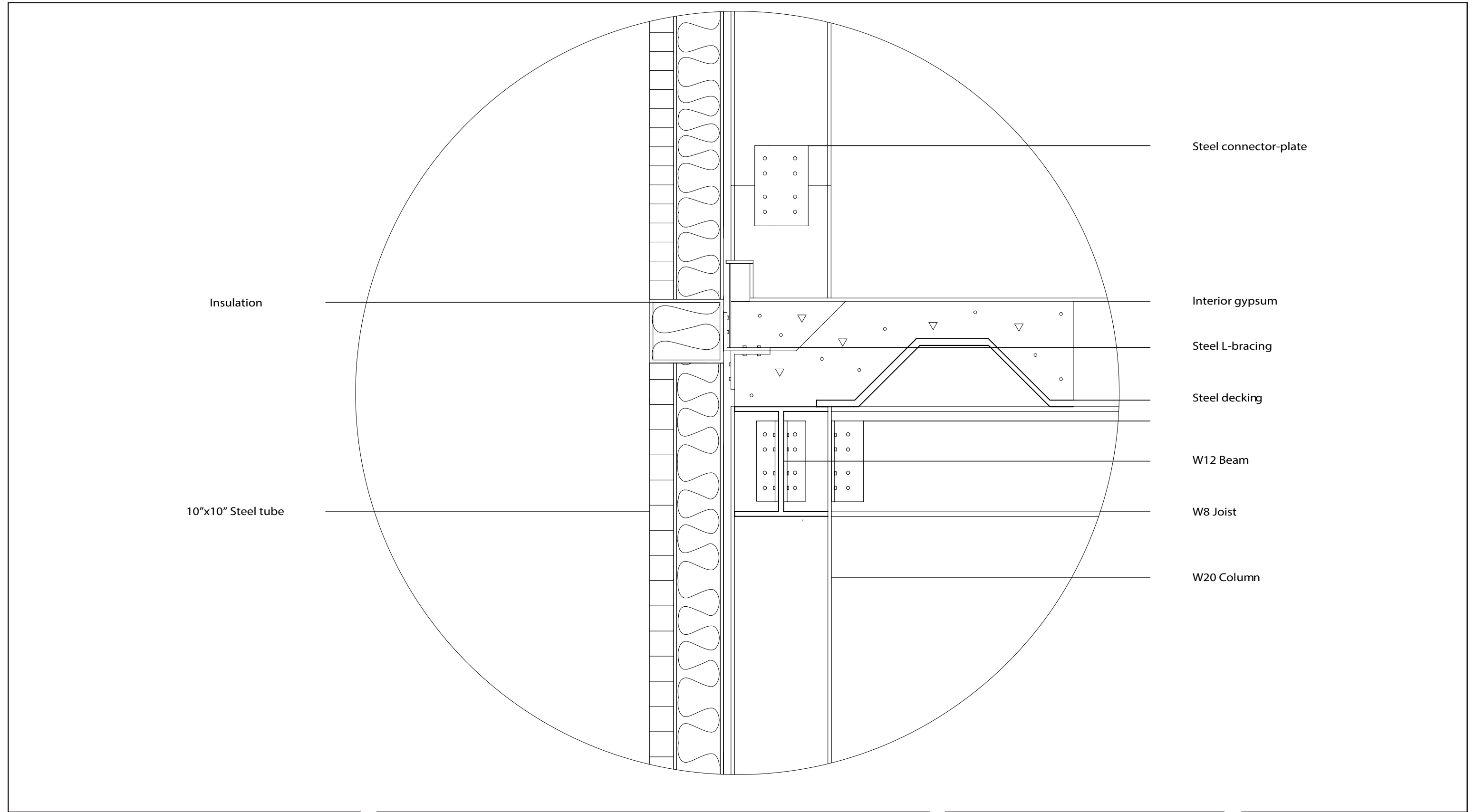
10"x10" Steel tube  
  
Insulation  
Interior gypsum  
  
W20 Column  
  
Interior gypsum  
Steel decking  
W8 Joist  
Steel L-bracing

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**ARCHITECTURAL**  
Interior Details

**A701**



Insulation

10"x10" Steel tube

Steel connector-plate

Interior gypsum

Steel L-bracing

Steel decking

W12 Beam

W8 Joist

W20 Column

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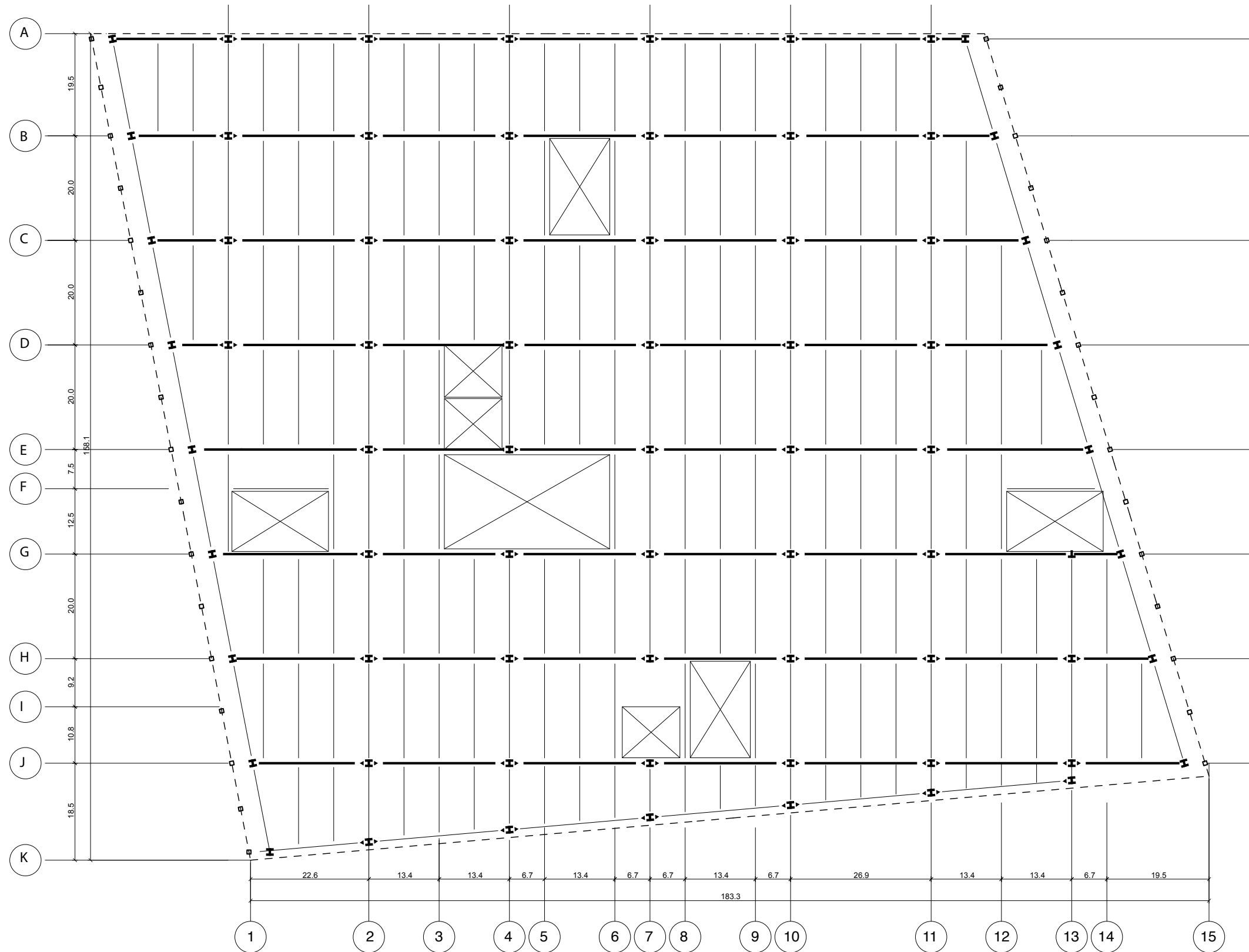
Commercial Building

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ARCHITECTURAL

Interior Details

A702



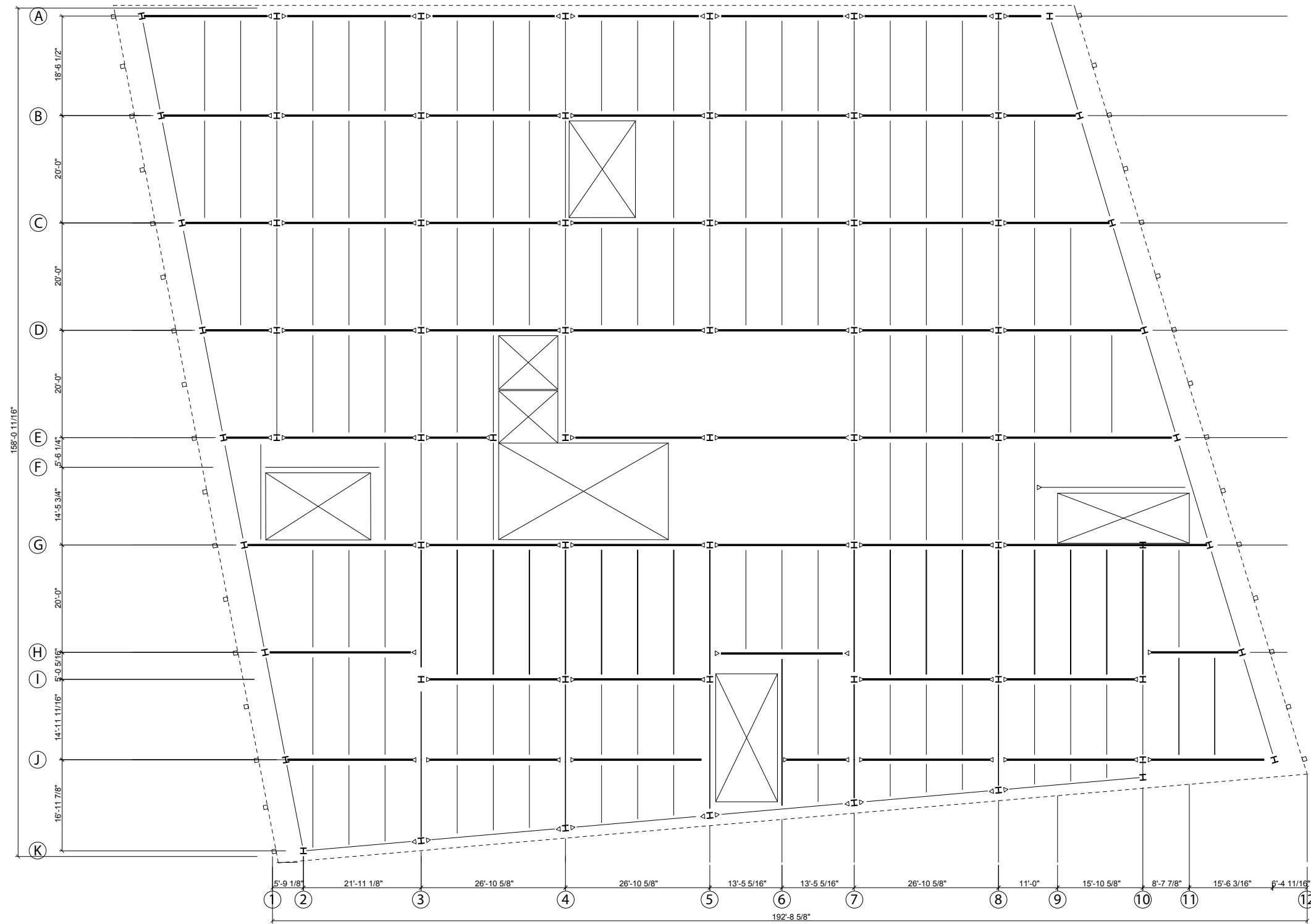
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**STRUCTURAL**  
 Framing Plan | Ground Floor



S100



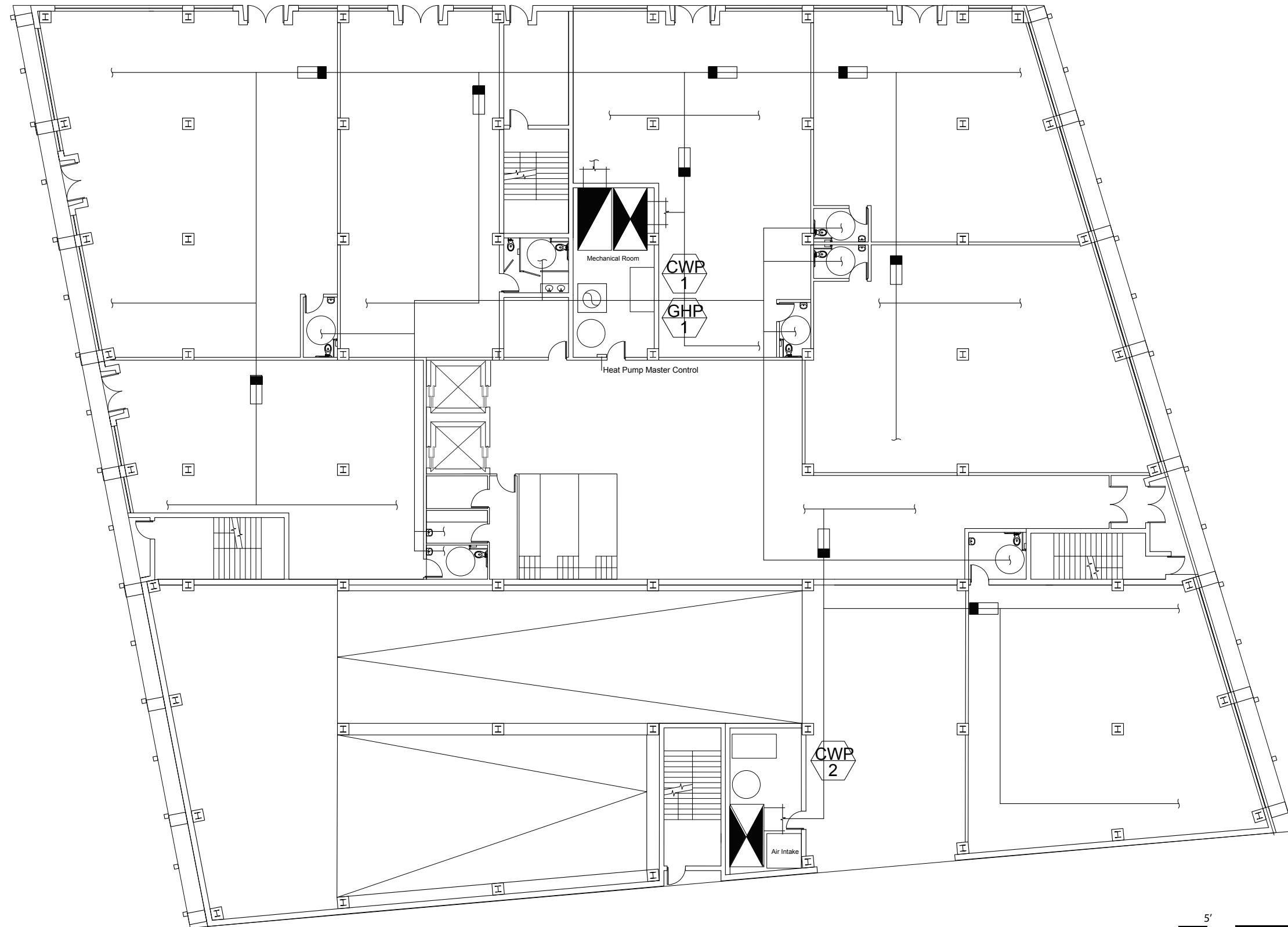
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**FilterScape**  
**Commercial Building**  
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**STRUCTURAL**  
 Framing Plan | Upper Floors



**S101**



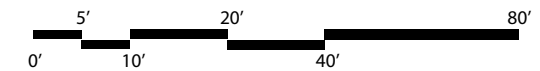
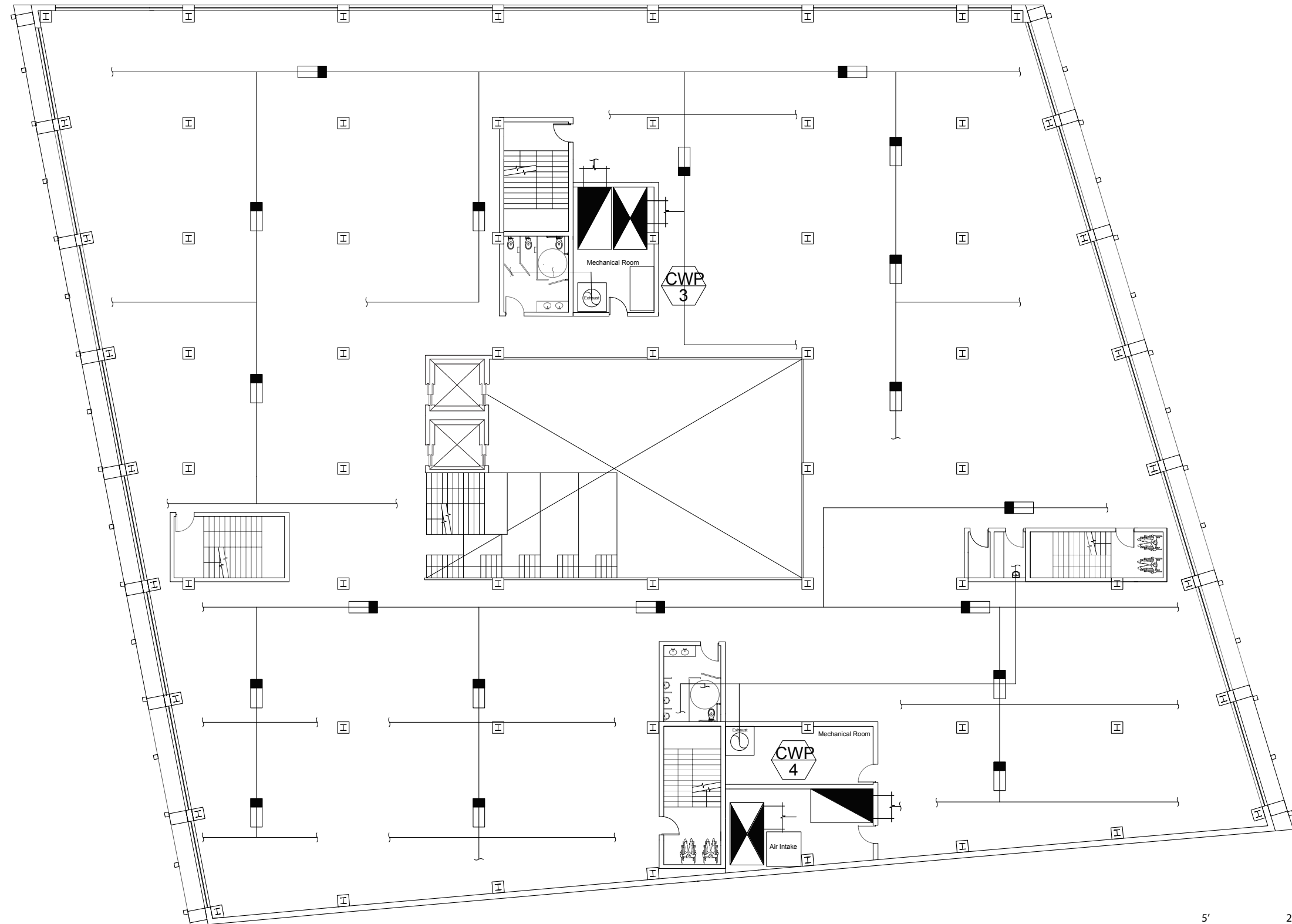
2016 INTEGRATED BUILDING SYSTEMS  
 ARCH 2178  
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 Iris Kim | Jiseon Park | Natasha Ruiz

**FilterScape**  
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 117 Wickenden Street, Providence RI 02903



**MECHANICAL**  
 Mechanical Ground

**M101.1**



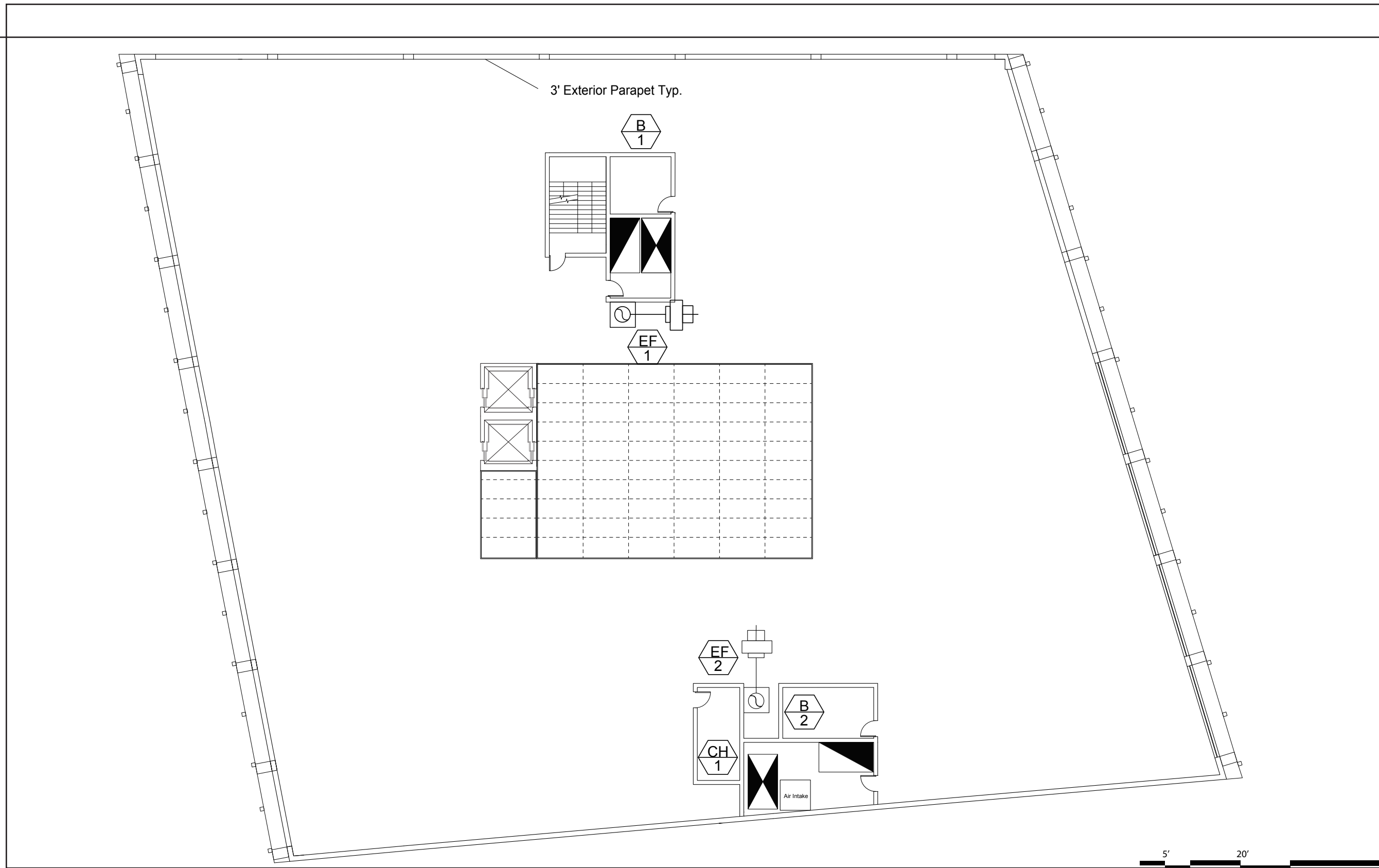
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**MECHANICAL**  
 Mechanical Upper Plan

**M101.2**



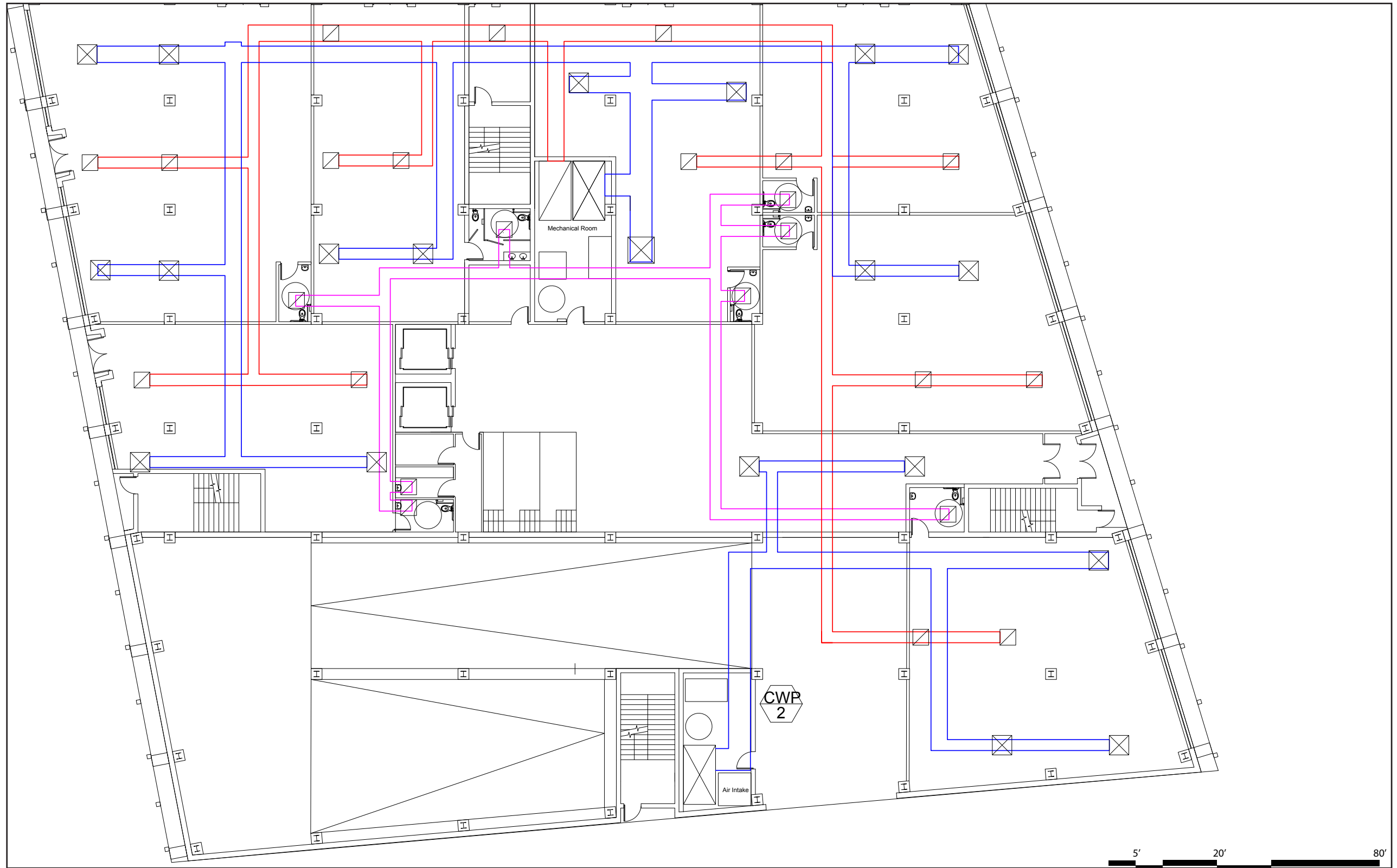
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**MECHANICAL**  
 Mechanical Roof Plan

M101.3



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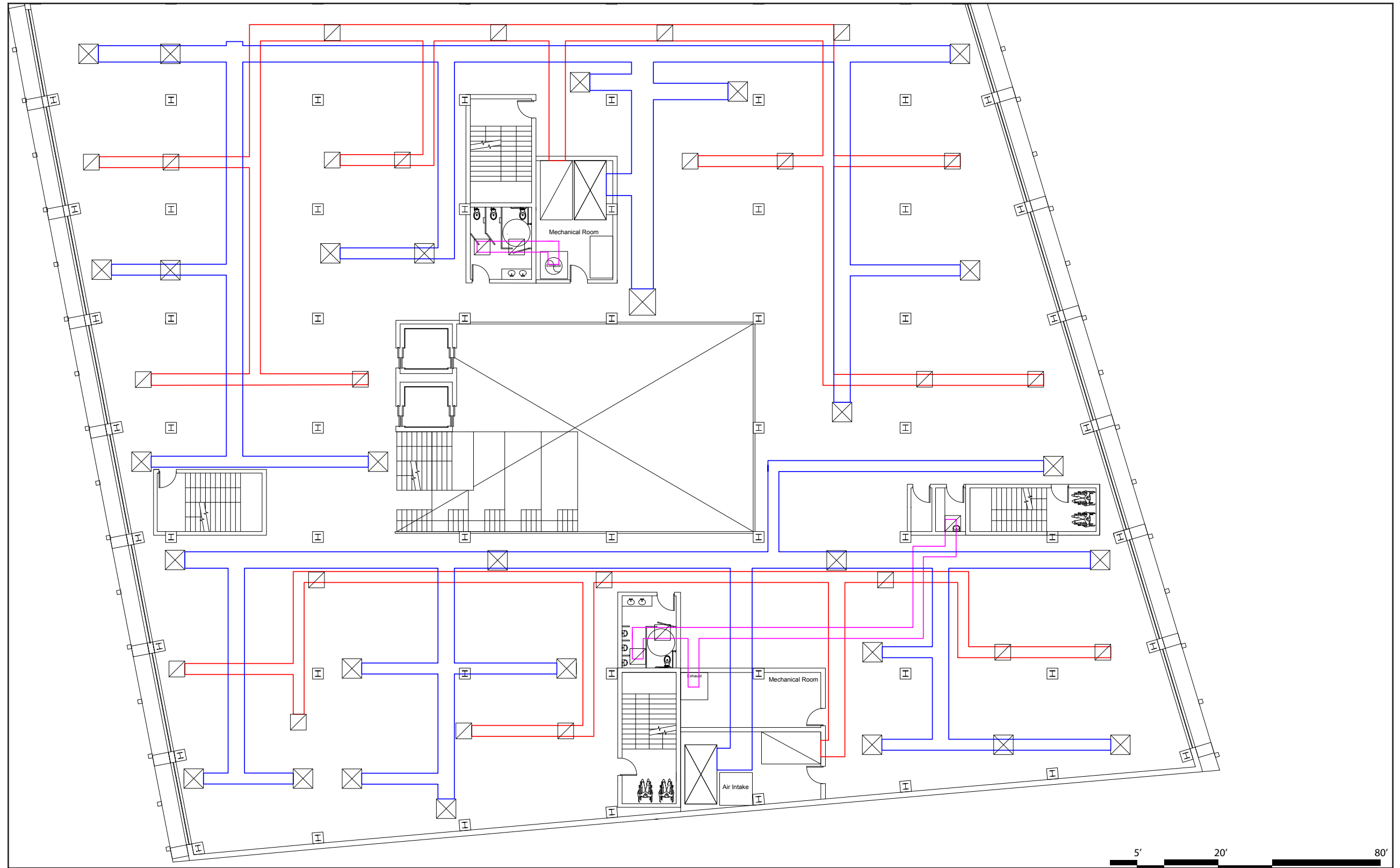
**FilterScape**  
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**MECHANICAL**  
 HVAC Drawings | Ground Floor

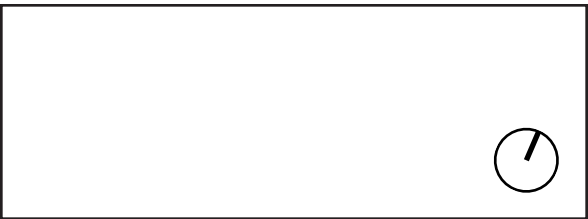
**M102**



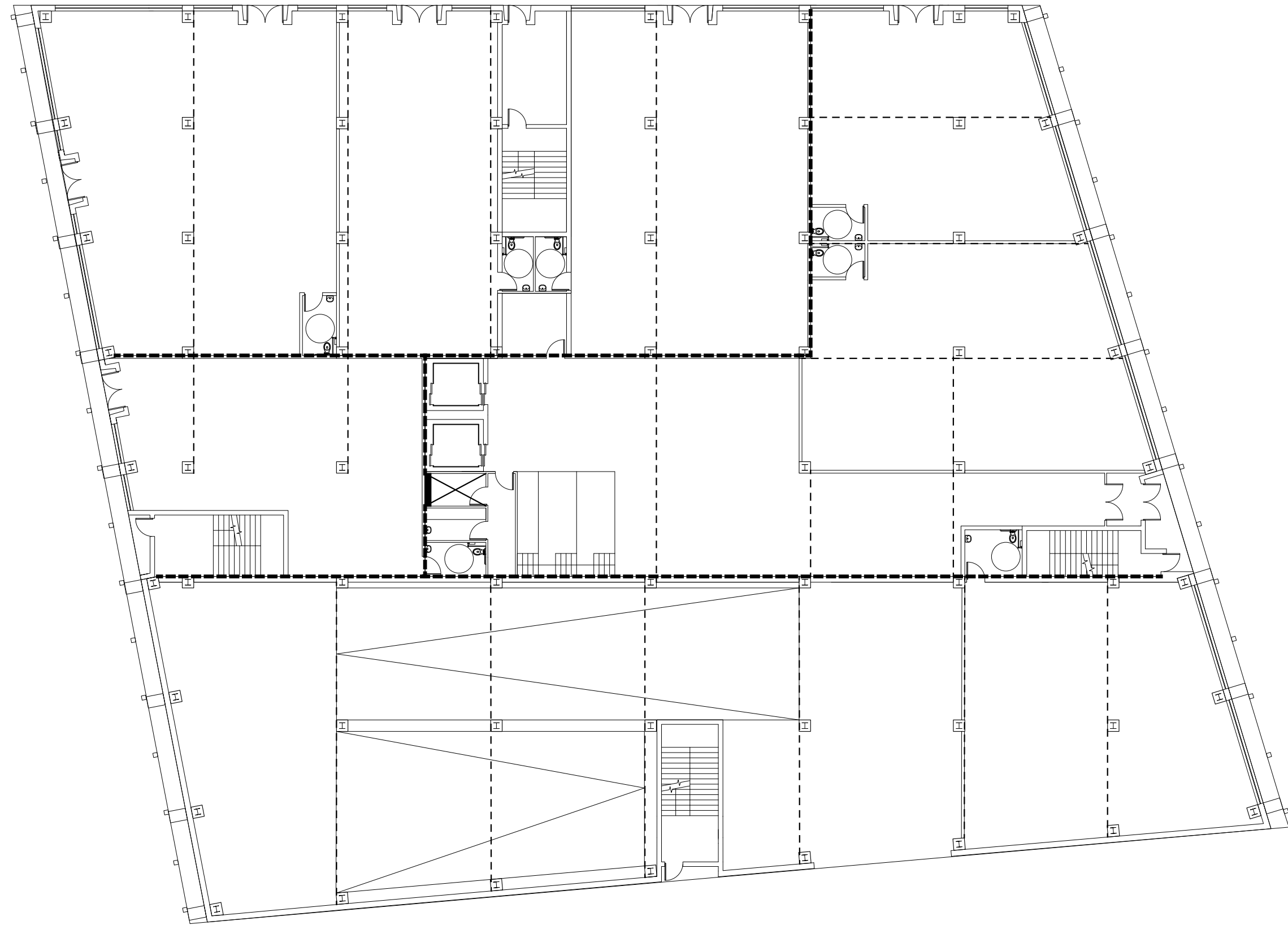


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**MECHANICAL**  
 HVAC Drawing | Upper Floors  
**M103**



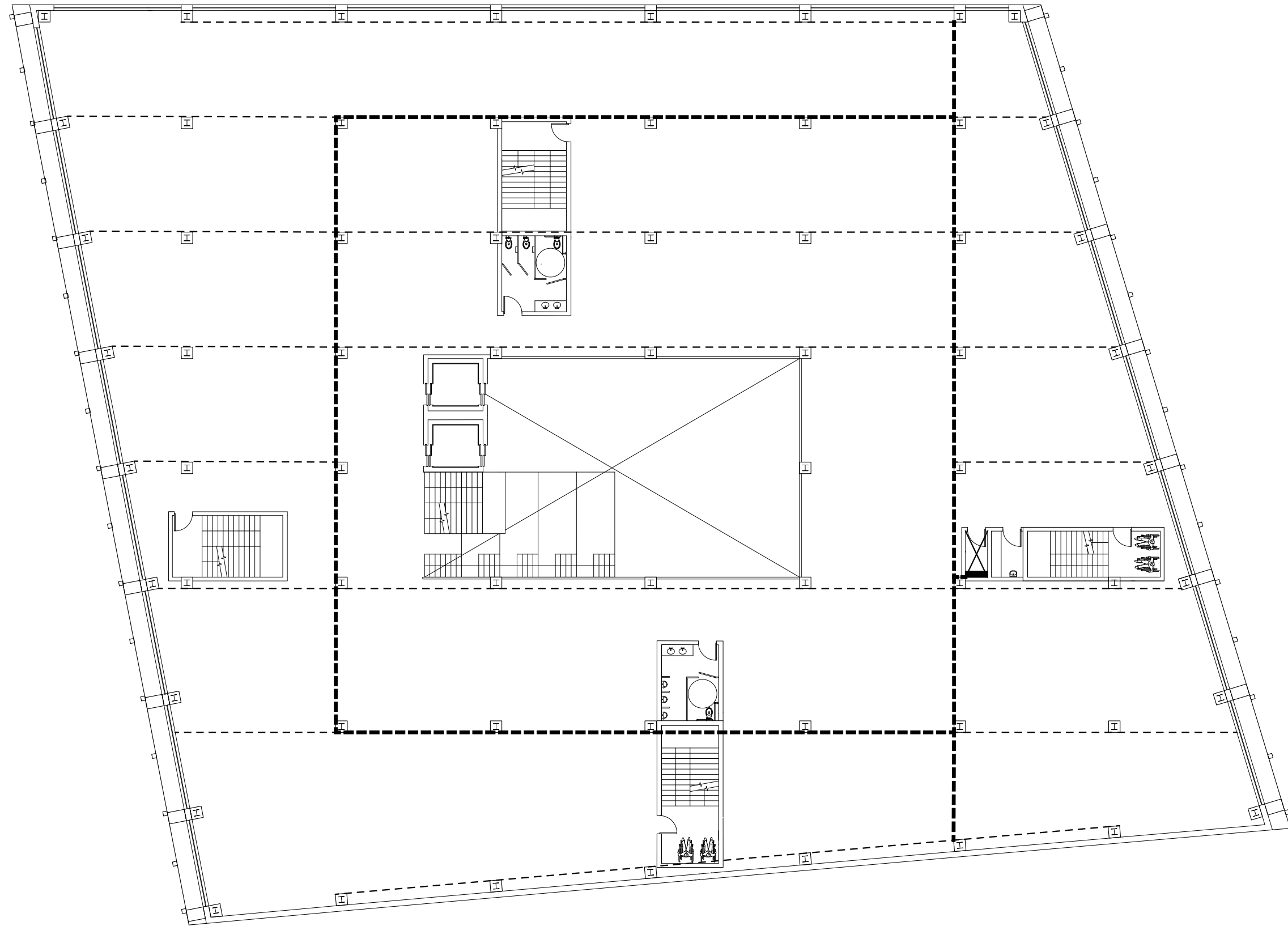
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**ELECTRICAL**  
 Ground Floor Plan

**E100**



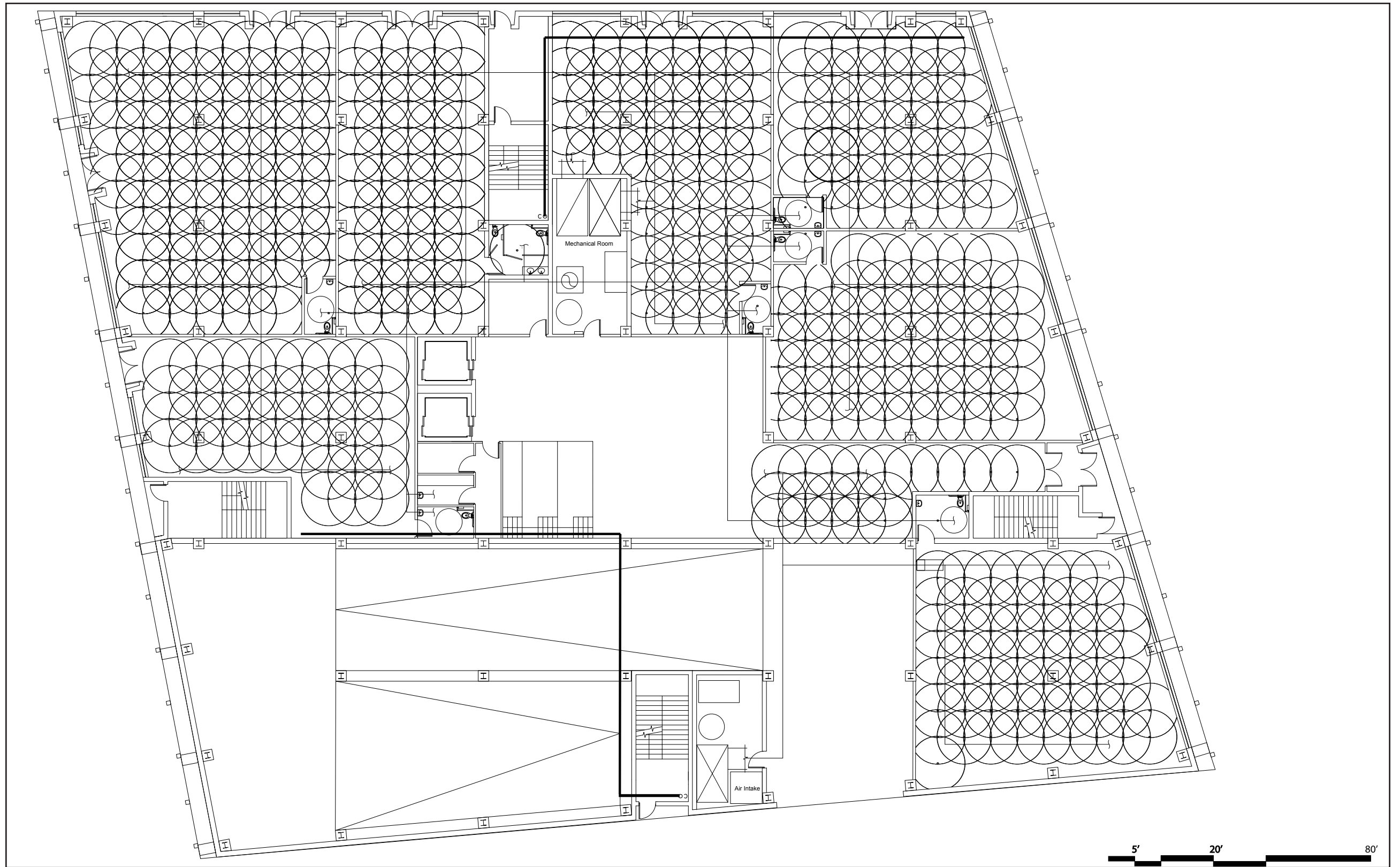
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**ELECTRICAL**  
 Upper Floor Plan

E101



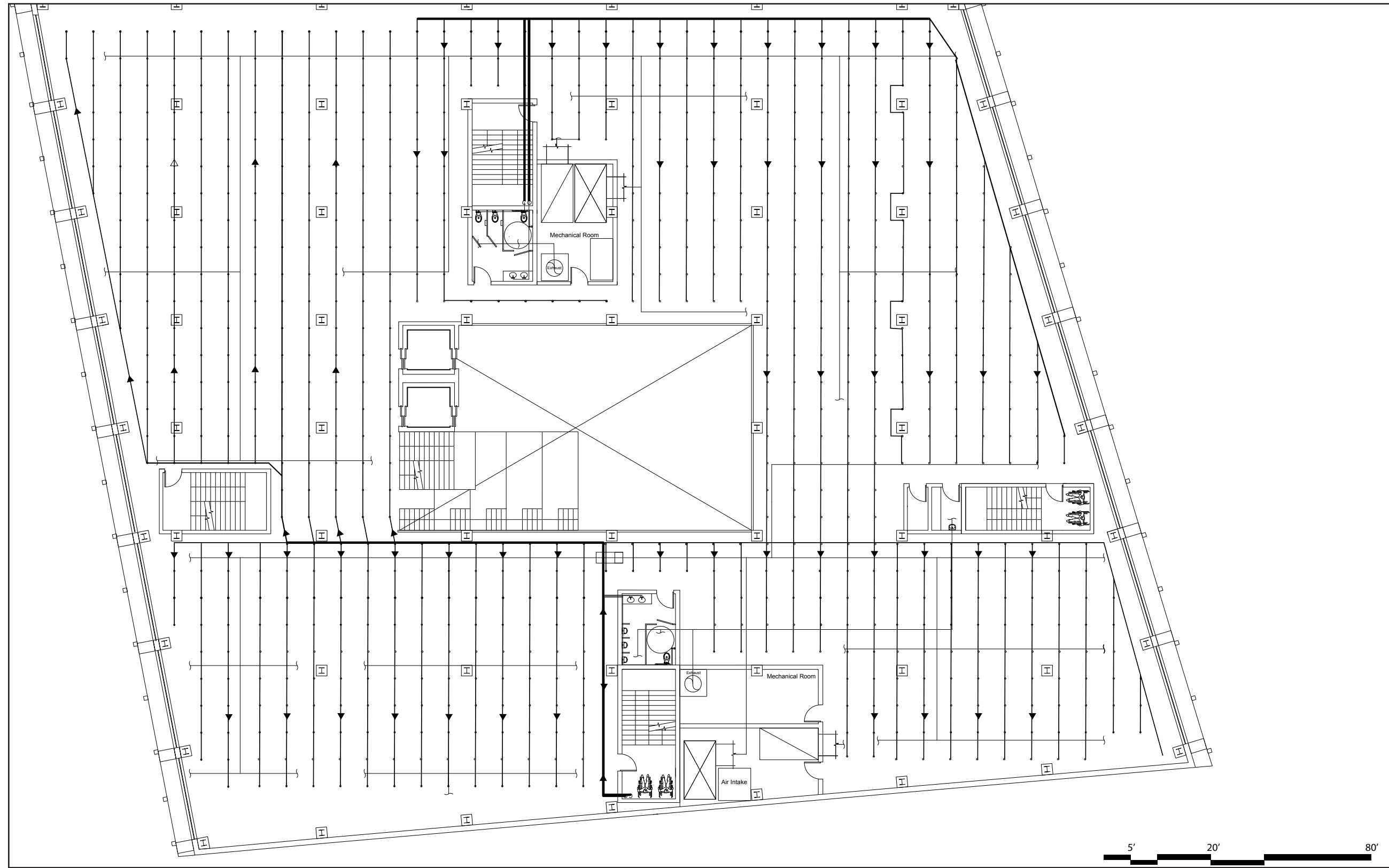
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**PLUMBING**  
 Ground Floor Plan

**P100**



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**PLUMBING**  
 Upper Floor Plan



**P101**