



SOCIAL ADAPTATION



CHANGING THE BUILT ENVIRONMENT

PROBLEM STATEMENT
HOW HAVE THE COMPUTING TECHNOLOGY AND SOCIAL MEDIA CHANGED THE WAY WE ENVISION THE BUILT ENVIRONMENT

TYOLOGY
MEDIATHEQUE FOR THE CITIZENS OF GRAND FORKS AND EAST GRAND FORKS

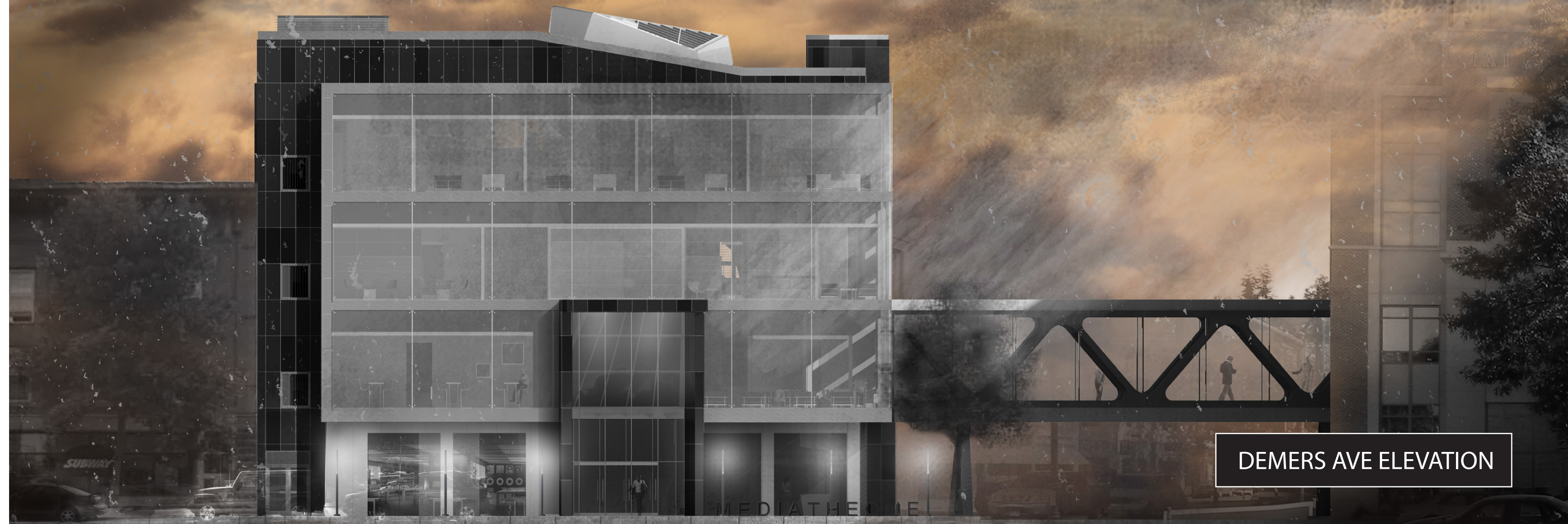
THEORETICAL PREMISE
BECAUSE OUR CULTURE IS EXPLODING WITH TECHNOLOGICAL ADVANCEMENT AND SOCIAL MEDIA IS SO WIDELY PREVALENT, THE CHARACTER OF DESIGN NEEDS TO REFLECT THE CHARACTER OF TODAY'S SOCIETY

JUSTIFICATION
AS SOCIETY EMBRACES CHANGES IN COMPUTING TECHNOLOGY AND THE ACCESS TO SOCIAL MEDIA, IT MUST ALSO ALLOW A CHANGE OF CHARACTER IN THE BUILT ENVIRONMENT

FROM STREET CORNER



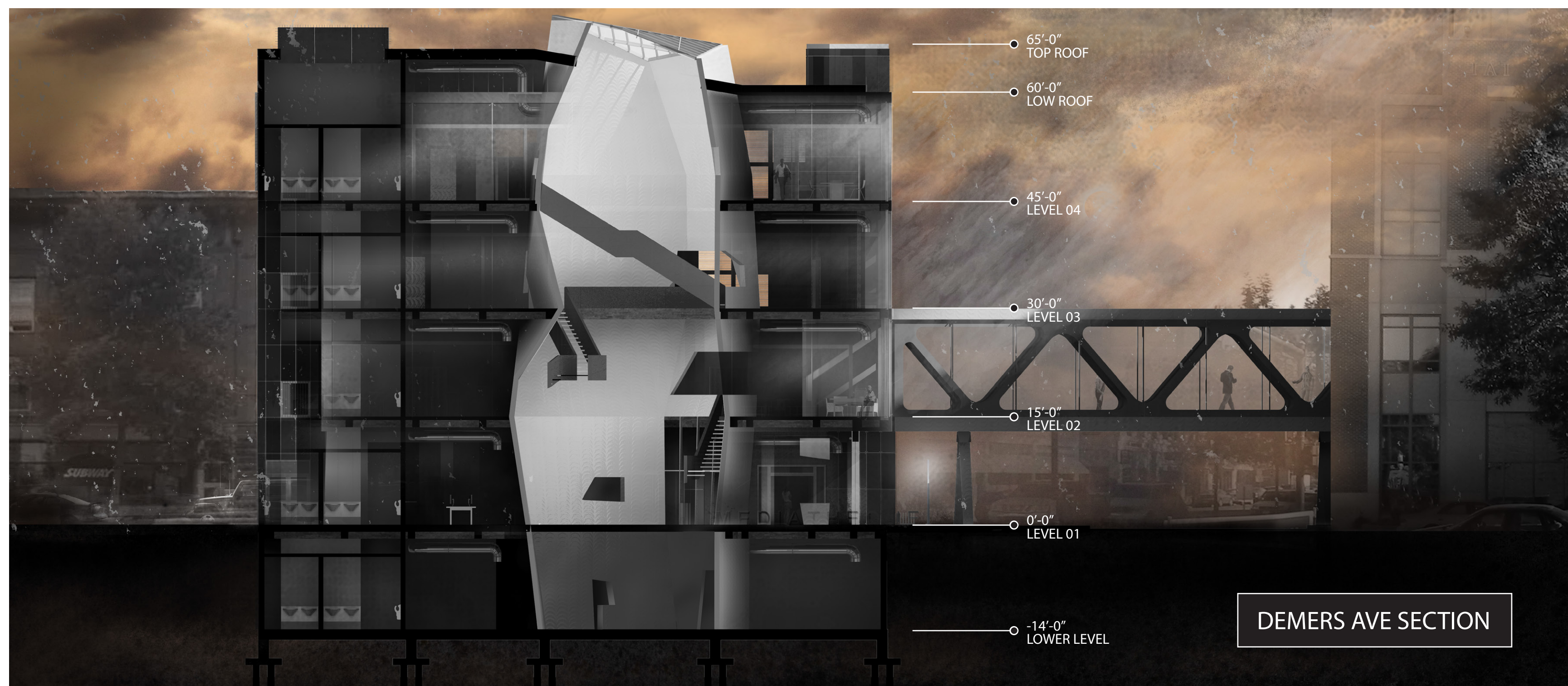
4TH STREET ELEVATION



DEMERS AVE ELEVATION



4TH STREET SECTION



DEMERS AVE SECTION

EXHAUST
STACKED VENTILATION RELEASED OUT ROOF THROUGH ALUMINUM LOUVERED PANELS

SKYLIGHT
LARGE NATURAL LIGHT WASHES IN AND BOUNCES THROUGH ATRIUM UNTIL REACHING ENTRY LEVEL

PAN JOIST FLOOR SYSTEM
CONCRETE ONE-WAY SYSTEM WITH CUSTOM FORMS CORRELATING WITH DIRTT WALL SYSTEM

DIRTT ENVIRONMENTAL SOLUTIONS © WALL SYSTEM
PREFABRICATED TECHNOLOGY WITH COMFORT AND FUNCTION OF THE 21ST CENTURY ABLE TO ADAPT TO ANY CLIENT'S NEEDS

EXTERIOR GLAZING
FLOOR-TO-CEILING PANES OF PILKINGTON SOLAR-E™ PLUS BACKED BY ASHLER SPIDER CONNECTIONS

SUN SHADE PARTITIONS
ORIENTED ON SOUTHWEST FAÇADE, PARTITIONS RUN ALONG A TRACK AND ARE COMPLETELY USER-OPERATED FOR PERSONAL COMFORT

SKYWAY TO PARKING GARAGE
CUSTOM SITE-CASTED CONCRETE STRUCTURE WITH FLOOR-TO-CEILING GLAZING

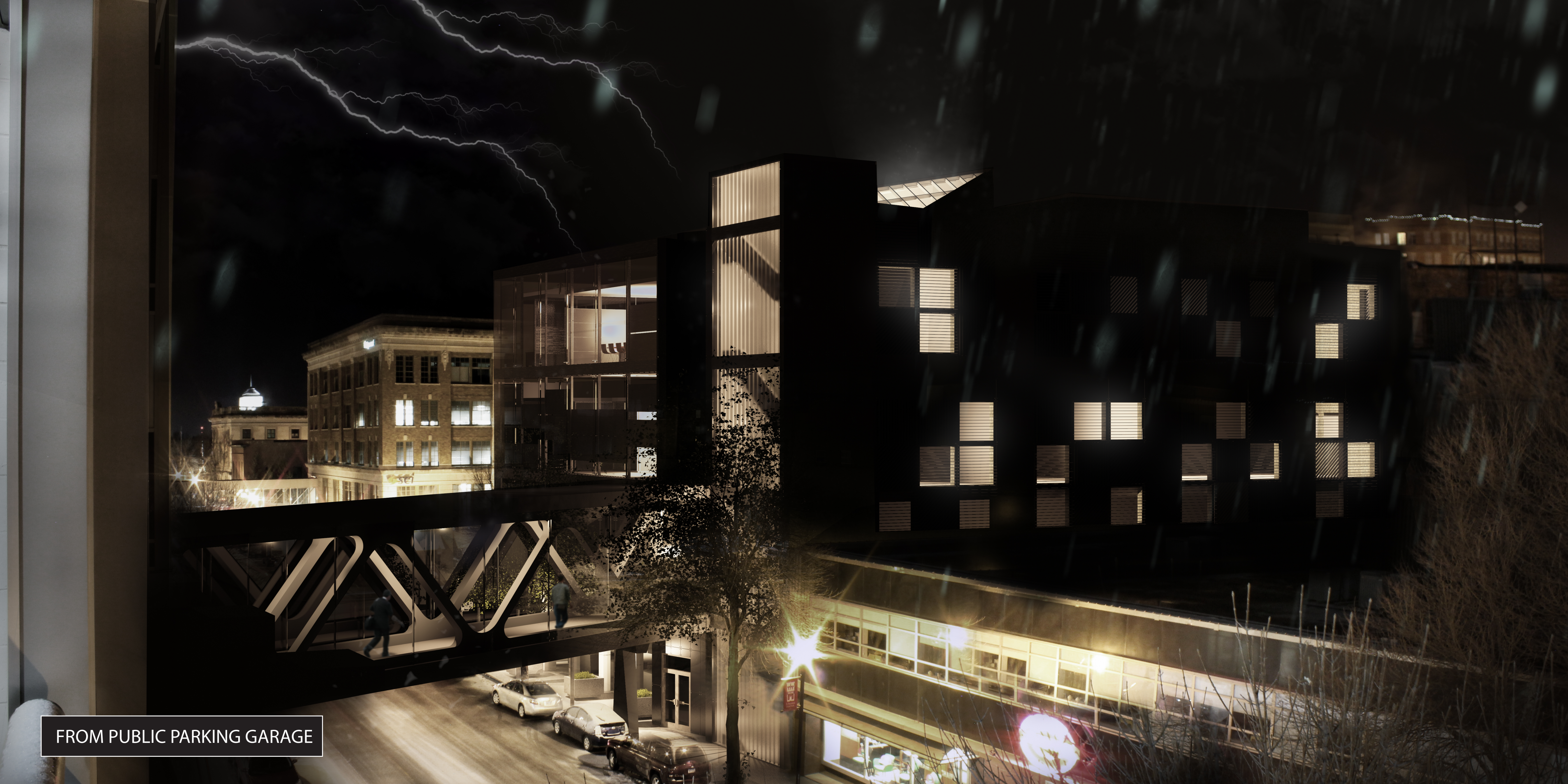
SUSTAINABLE METAL ROOF
STANDING SEAM COOLING METAL ROOF WITH LOW EMITTANCE TO SAVE ON ENERGY COSTS

INTAKE FANS
AIR INTAKE THROUGH CUSTOM LOUVERED PANELS A PART OF A CENTRAL AIR CONSTANT AIR VOLUME

SOLAR PANEL FAÇADE
A MIX OF CUSTOM ALUMINUM PANELS WITH LOUVERS AND PHOTOVOLTAIC SOLAR PANELS

FAÇADE PANELS
ZINC PANELS WRAP UPPER PORTION AND ENTRIES WHILE WHITE ALUMINUM PANELS COVER FIRST LEVEL

ATRIUM & CIRCULATION
CONCRETE ATRIUM DESIGNED FOR A STRUCTURAL CONNECTION AND SOCIAL CIRCULATION



FROM PUBLIC PARKING GARAGE

- 4.1 - ADMINISTRATION
- 4.2 - BREAKROOM
- 4.3 - MECHANICAL
- 4.4 - SERVER
- 4.5 - STORAGE
- 4.6 - CONFERENCE ROOM
6,500 SQ.FT.



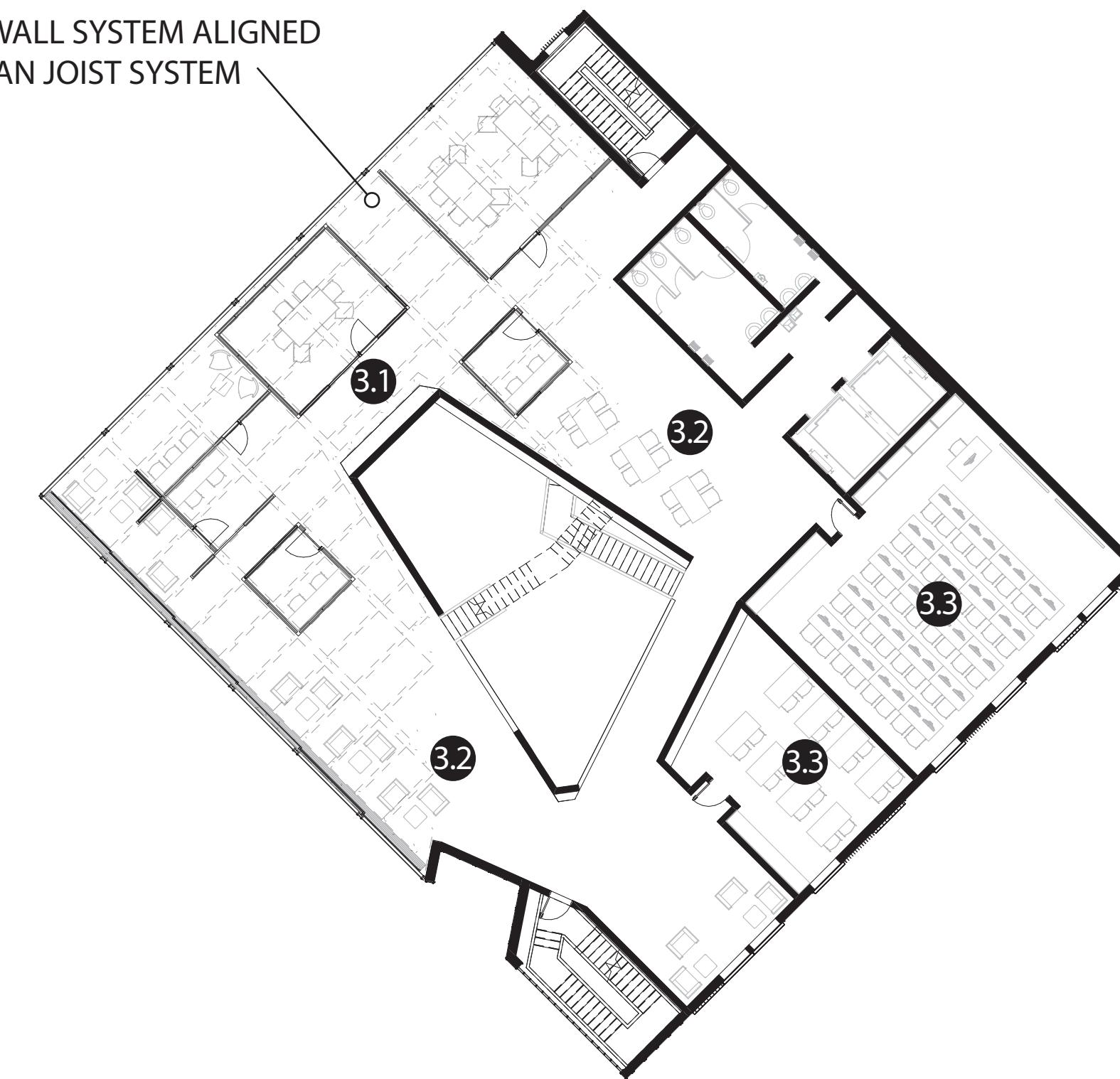
LEVEL 04 1/16"=1'



FROM LEVEL 02 TOP OF STAIR

- 3.1 - ADAPTABLE BREAKOUTS
- 3.2 - OPEN SEATING
- 3.3 - CLASSROOM
6,550 SQ.FT.

DIRT WALL SYSTEM ALIGNED WITH PAN JOIST SYSTEM



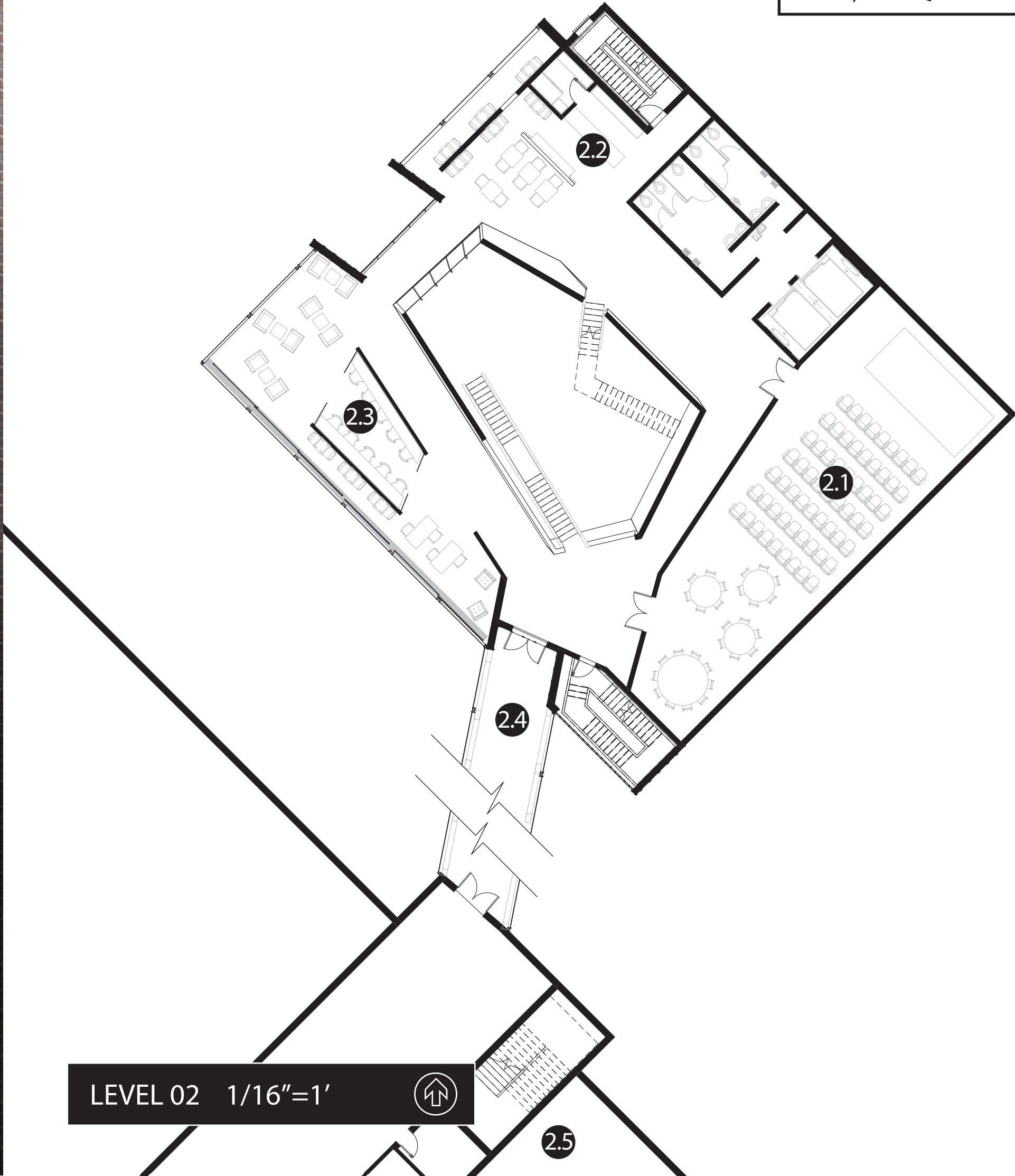
LEVEL 03 1/16"=1'



MULTI-PURPOSE CONFERENCE ROOM USING A MUTAFLEX SYSTEM THAT MOVES ENTIRE ROWS OF SEATS ALONG RAILS INTEGRATED INTO THE FLOOR

[PER]SECTION DETAIL

- 2.1 - MULTI-PURPOSE CONFERENCE
- 2.2 - CAFÉ
- 2.3 - DIGITAL LOUNGE
- 2.4 - SKYWAY
- 2.5 - PUBLIC PARKING GARAGE
5,950 SQ.FT.



LEVEL 02 1/16"=1'

2.5



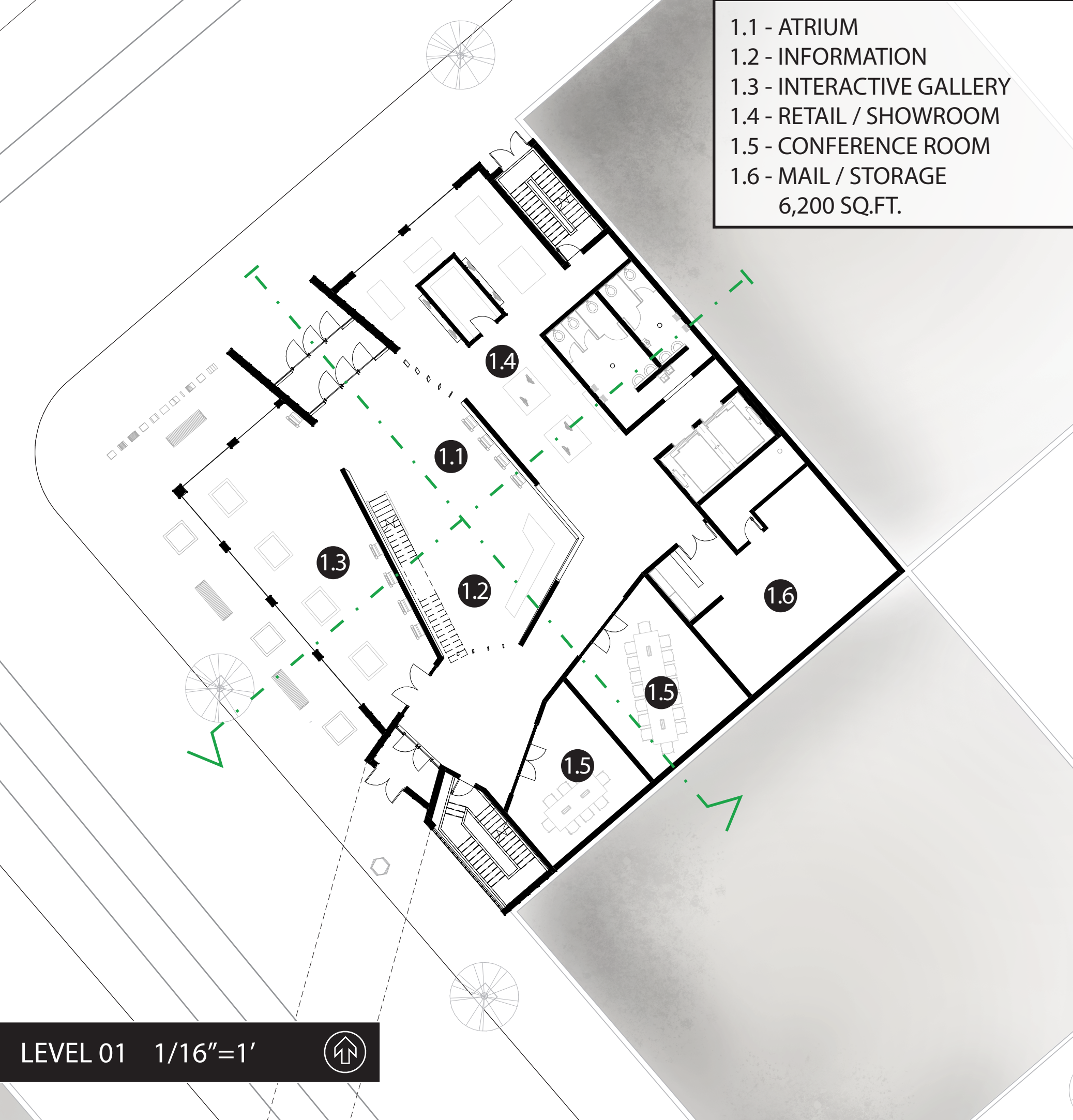
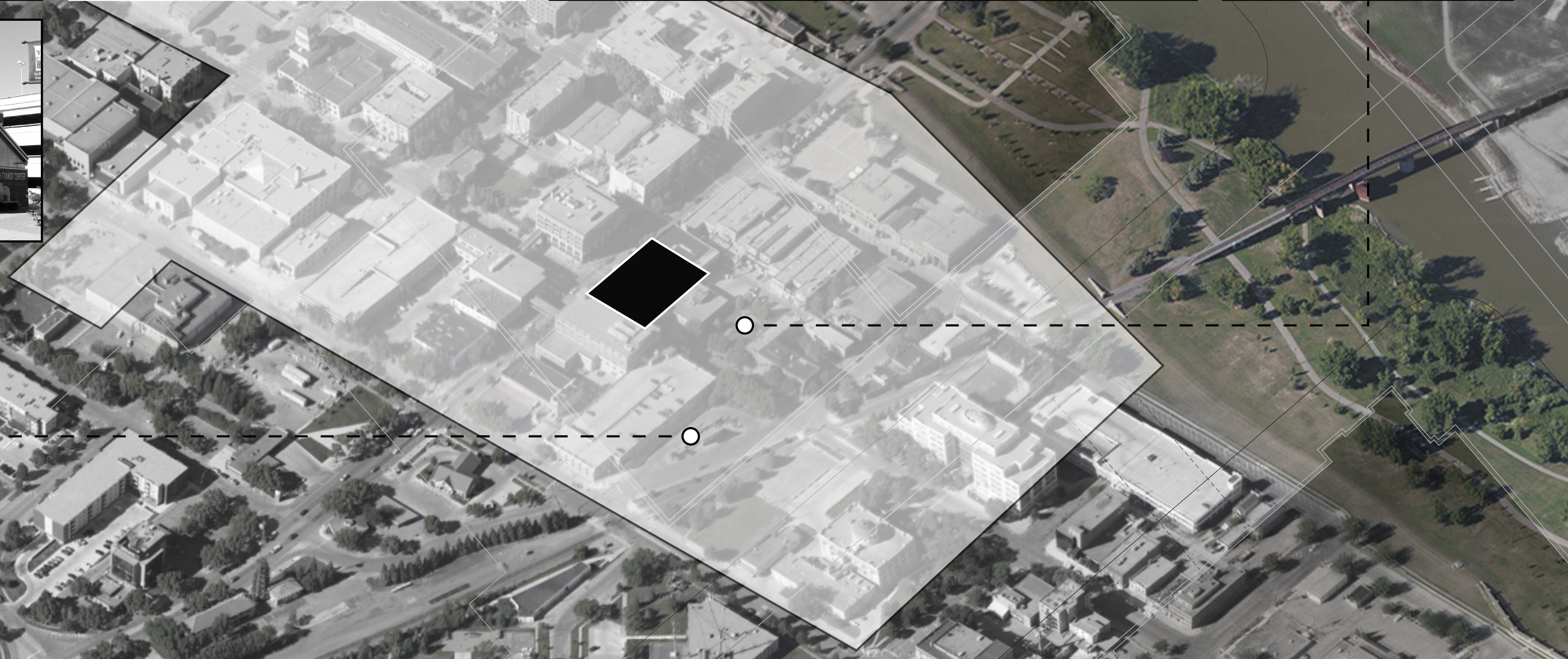
SITE IS IN THE DOWNTOWN DISTRICT OF GRAND FORKS AND AT THE CENTER OF ITS HISTORIC CULTURE

LOCATED AJACENT TO THE CITY TRANSIT STATION

CITY URBAN GREENWAY EXTENDS THROUGH DOWNTOWN AND UP TO SITE



SITE PLAN 45°



INTERACTIVE GALLERY

