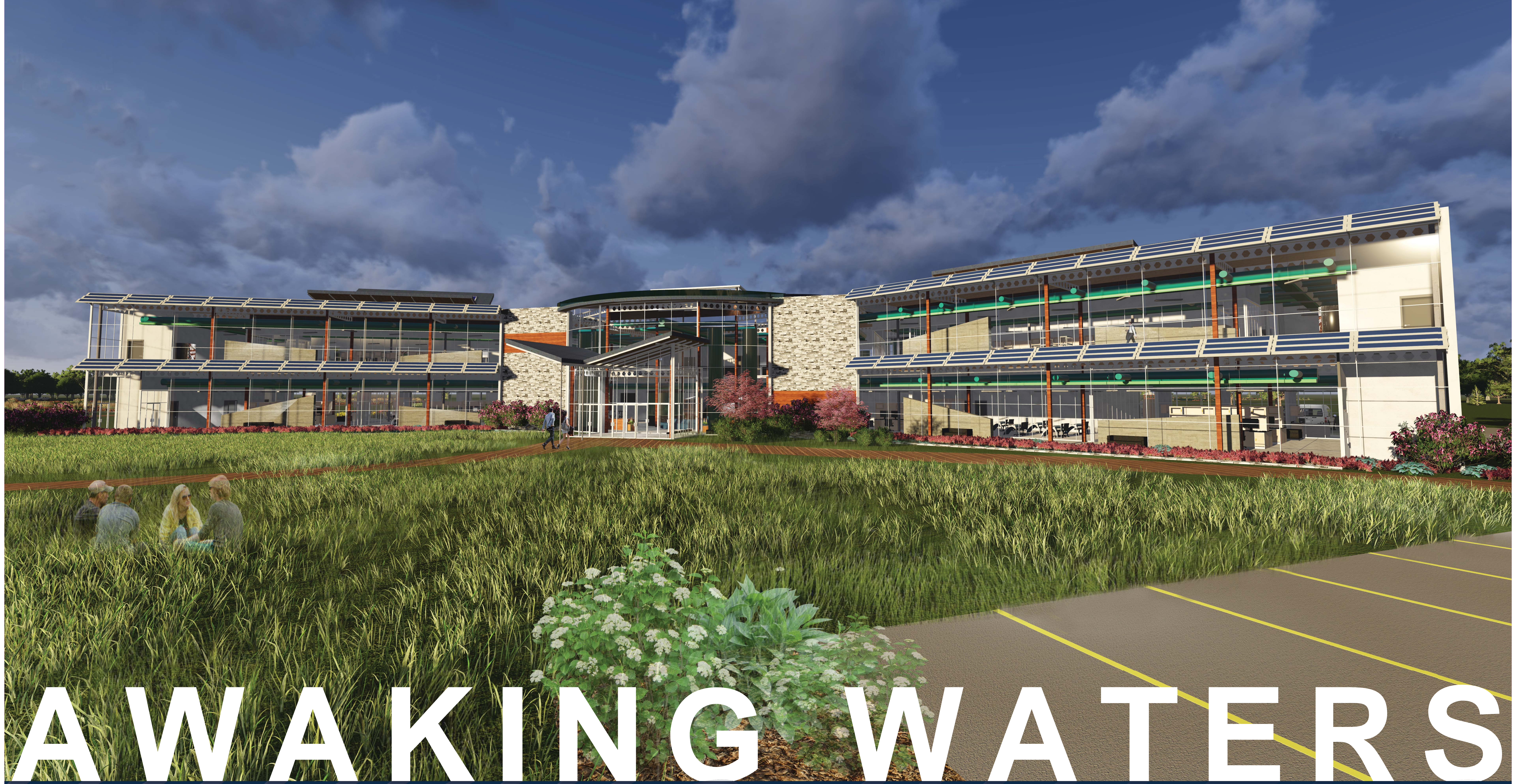


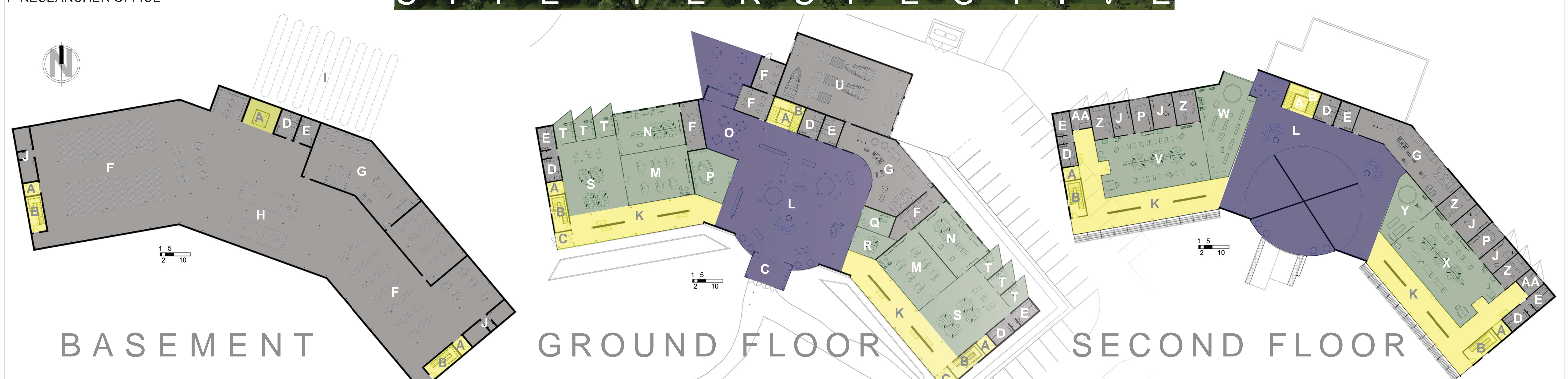
CENTRAL LAKES LIMNOLOGY SCIENCE CENTER



AWAKING WATERS

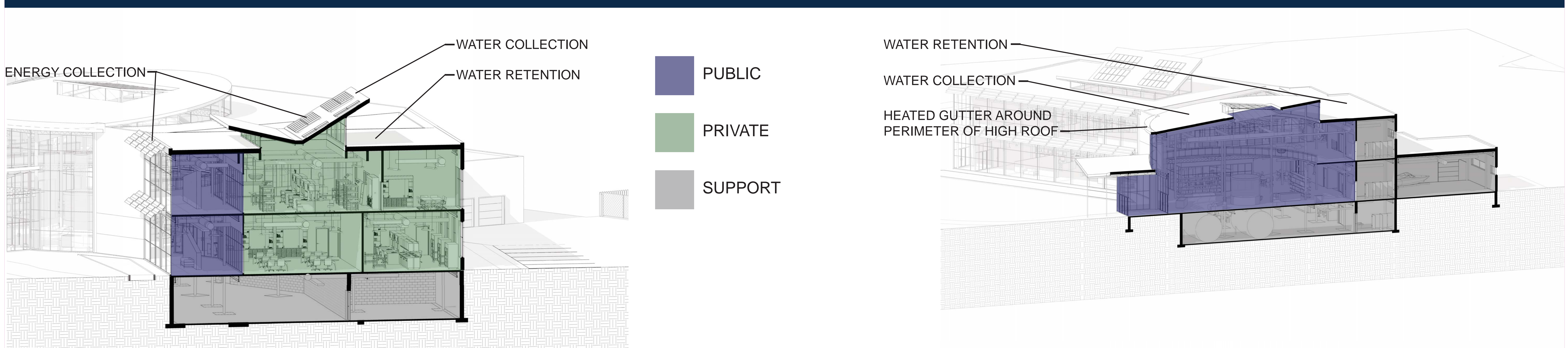
WHY	WHERE	WHAT	WHO	HOW
IGNITE PASSION AND EDUCATION FOR MINNESOTA WATER CONSERVATION AND RESEARCH	BRAINERD / BAXTER CENTRAL MINNESOTA LAKES REGION UPPER MISSISSIPPI RIVER WATERSHED	RESEARCH LABORATORIES CLASSROOMS PUBLIC EDUCATIONAL EXHIBITS	VISITORS STUDENTS RESEARCHERS	CREATE A LIVING BUILDING THAT FACILITATES EDUCATION AND RESEARCH SET A PRECEDENT FOR FUTURE DESIGN

- ### FLOOR PLAN KEY
- PUBLIC
 - PRIVATE
 - CIRCULATION
 - SUPPORT
- A- ELEVATOR
 - B- STAIRS
 - C- VESTIBULE
 - D- MEN'S RESTROOM
 - E- WOMEN'S RESTROOM
 - F- LONG-TERM STORAGE
 - G- MECHANICAL
 - H- WATER STORAGE
 - I- GEOTHERMAL WELL FIELD
 - J- HAZARDOUS MATERIALS
 - K- PUBLIC CORRIDOR
 - L- PUBLIC ATRIUM / EXHIBITION
 - M- CLASSROOM
 - N- TEACHING LAB
 - O- CAFETERIA
 - P- CONFERENCE ROOM
 - Q- DIRECTOR'S OFFICE
 - R- ADMIN. OFFICE
 - S- GRADUATE STUDENTS
 - T- RESEARCHER OFFICE
 - U- GARAGE
 - V- PLANT LAB
 - W- GREENHOUSE
 - X- FISH LAB
 - Y- AQUARIUM
 - Z- SHORT-TERM STORAGE
 - AA- OVERNIGHT RESEARCH

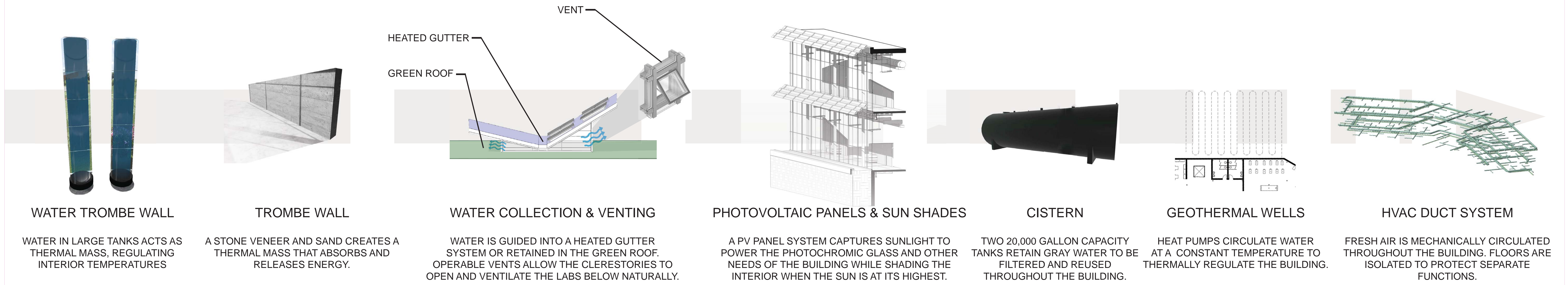


"WE NEVER KNOW THE WORTH OF WATER UNTIL THE WELL IS DRY"
-THOMAS FULLER HISTORIAN

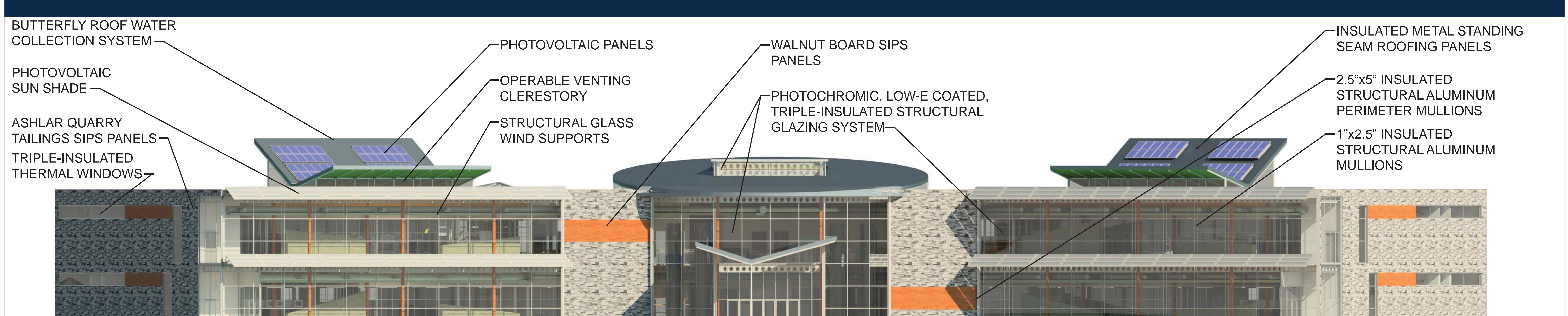
MUCH LIKE AN ECOSYSTEM IN NATURE, A BUILDING MUST BE A SUM OF ITS PARTS. AWAKING WATERS DRAWS INSPIRATIONS FROM THE PASSIVE QUALITIES OF A WETLAND, THE ACTIVE QUALITIES OF A RIVER, AND THE SYSTEMS REQUIRED IN A FUNCTIONAL BUILDING DESIGN. BY DOING SO, THE CENTER PROVIDES STATE-OF-THE-ART RESEARCH FACILITIES AND INVITES THE PUBLIC IN TO LEARN ABOUT NATURE WHILE LIMITING THE BUILDING'S IMPACT ON THE LANDSCAPE.



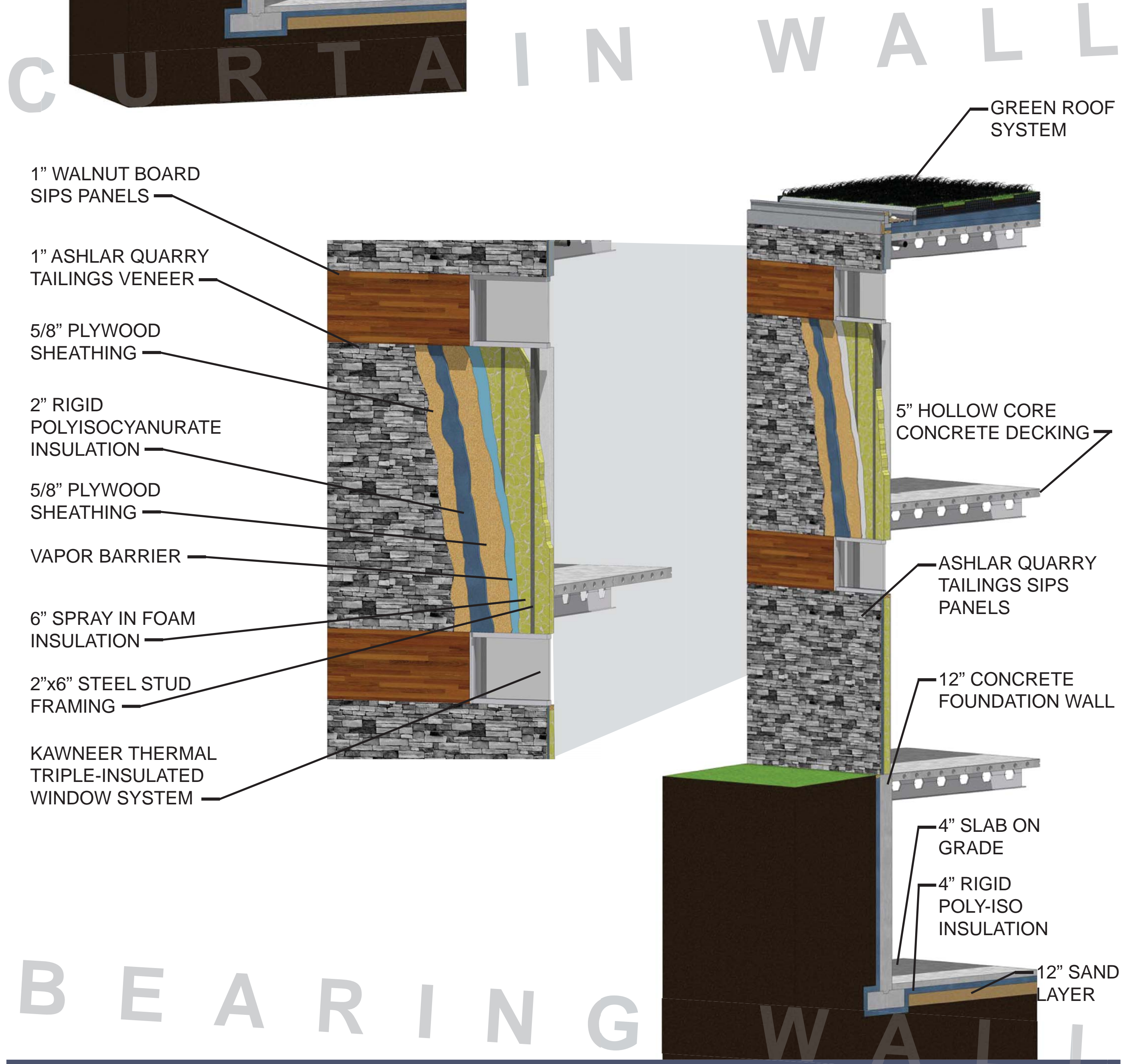
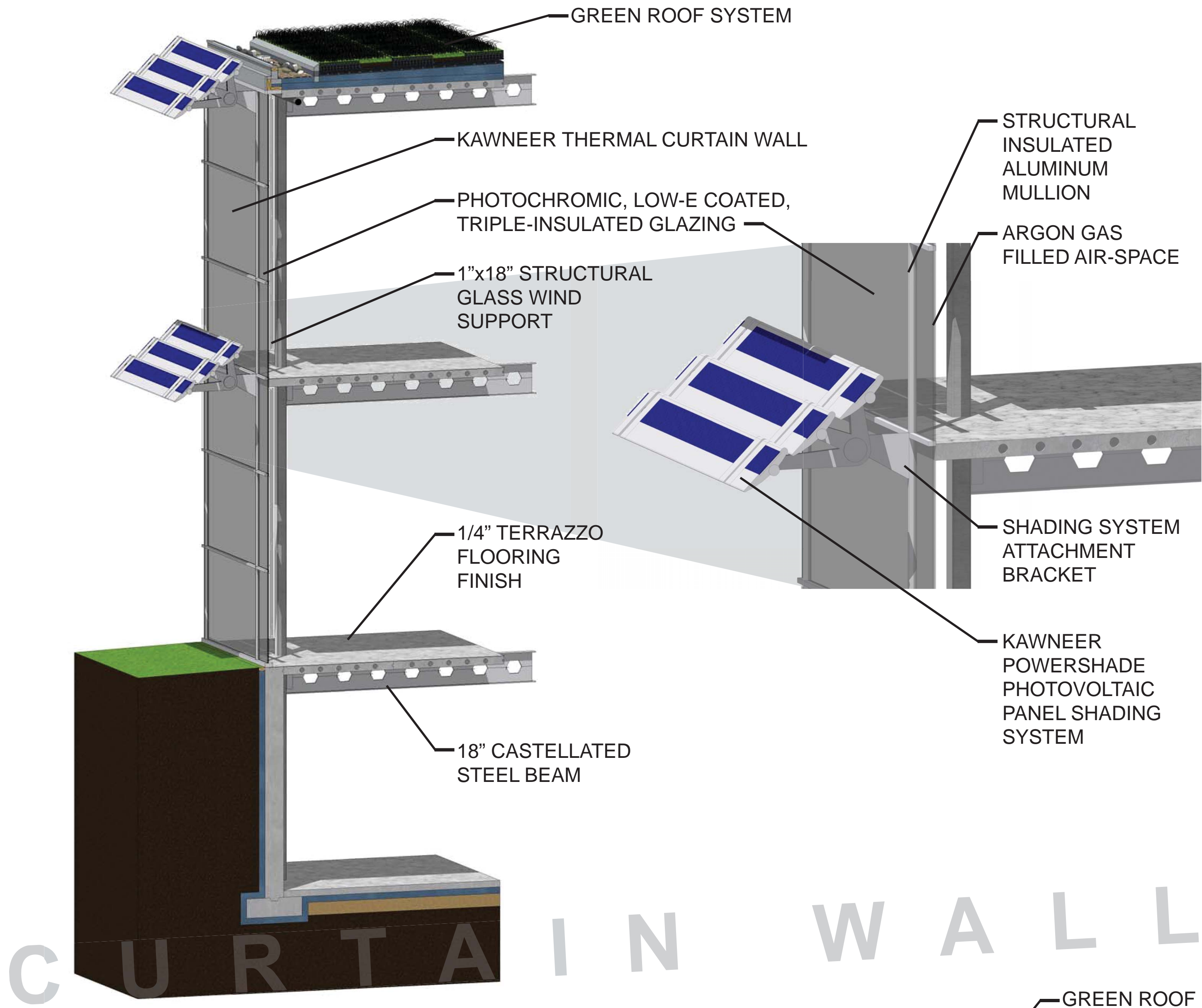
ENERGY STUDY



PASSIVE STRATEGIES ACTIVE STRATEGIES

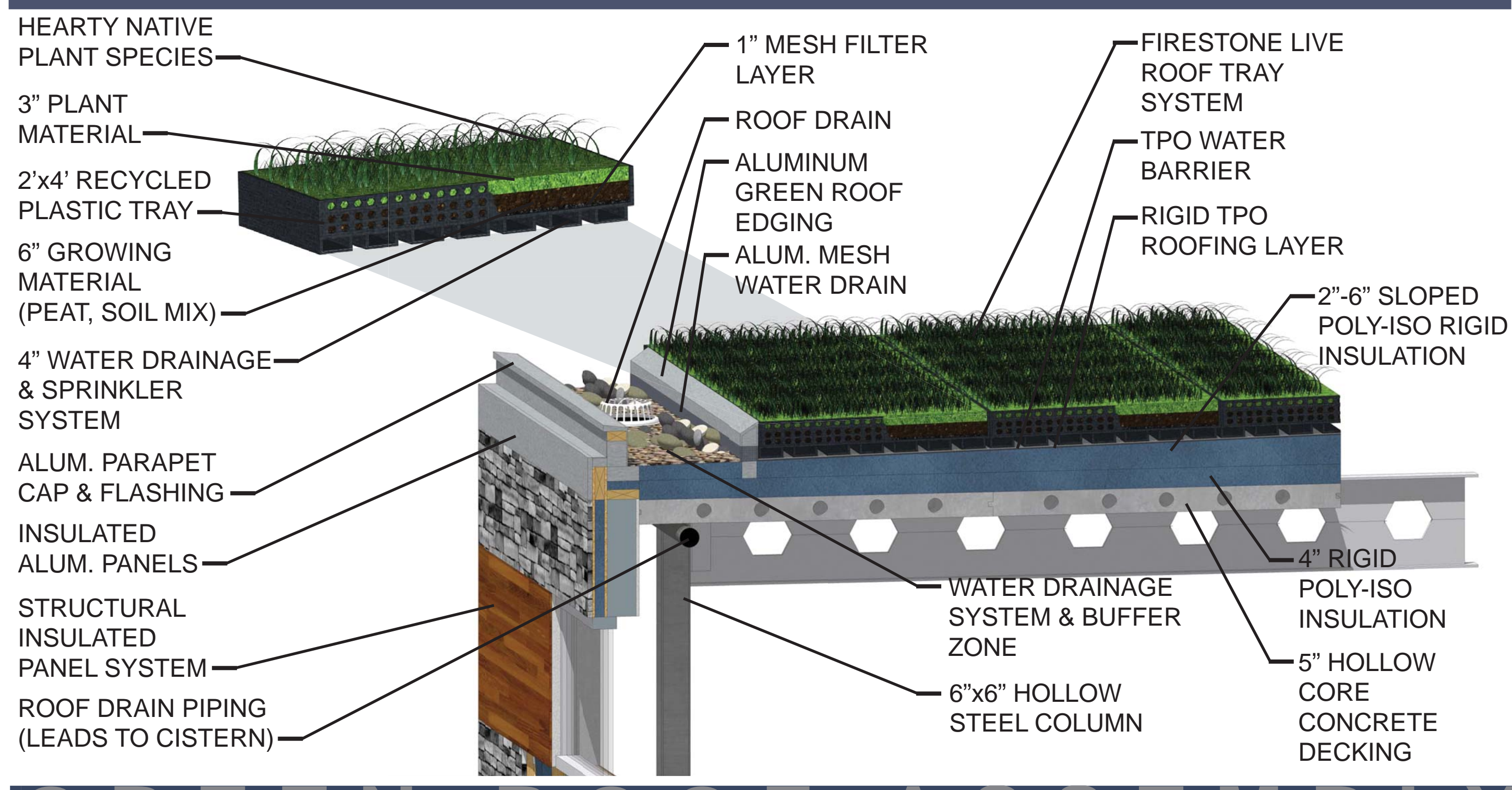


S Y S T E M S

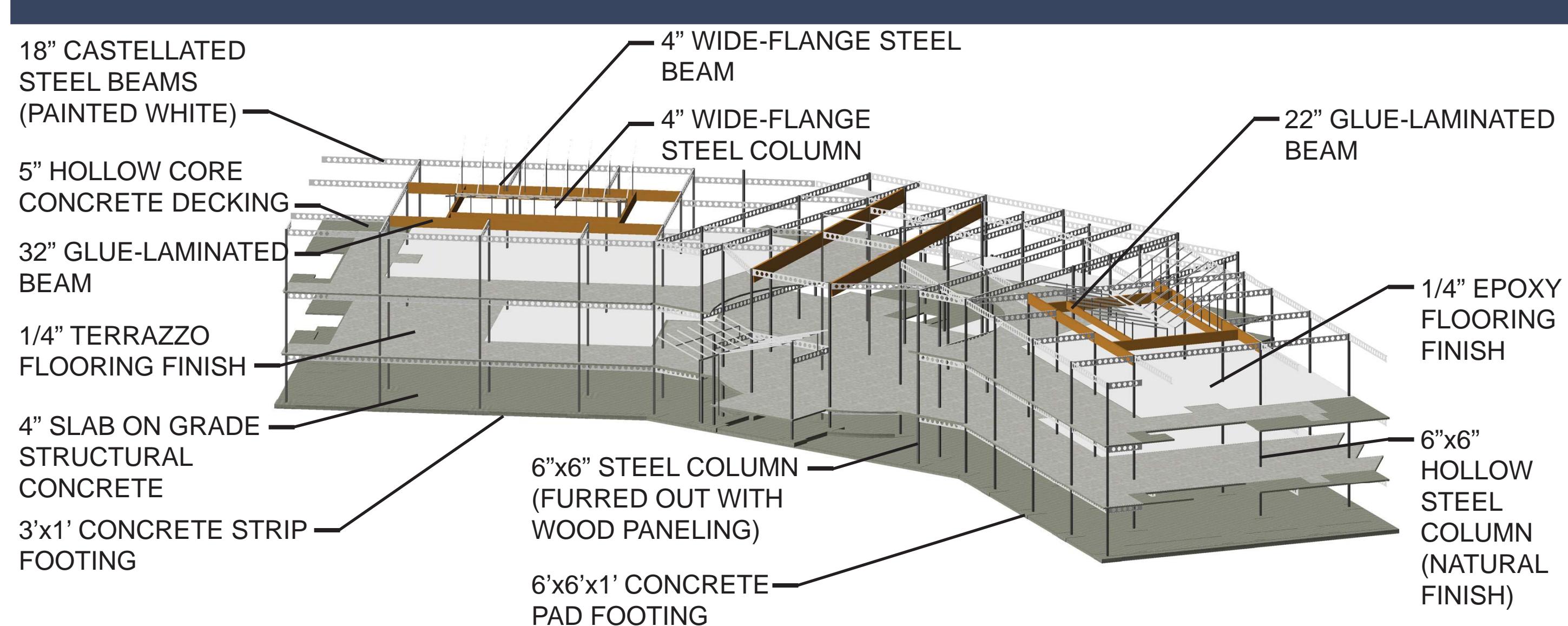


B E A R I N G W A L L

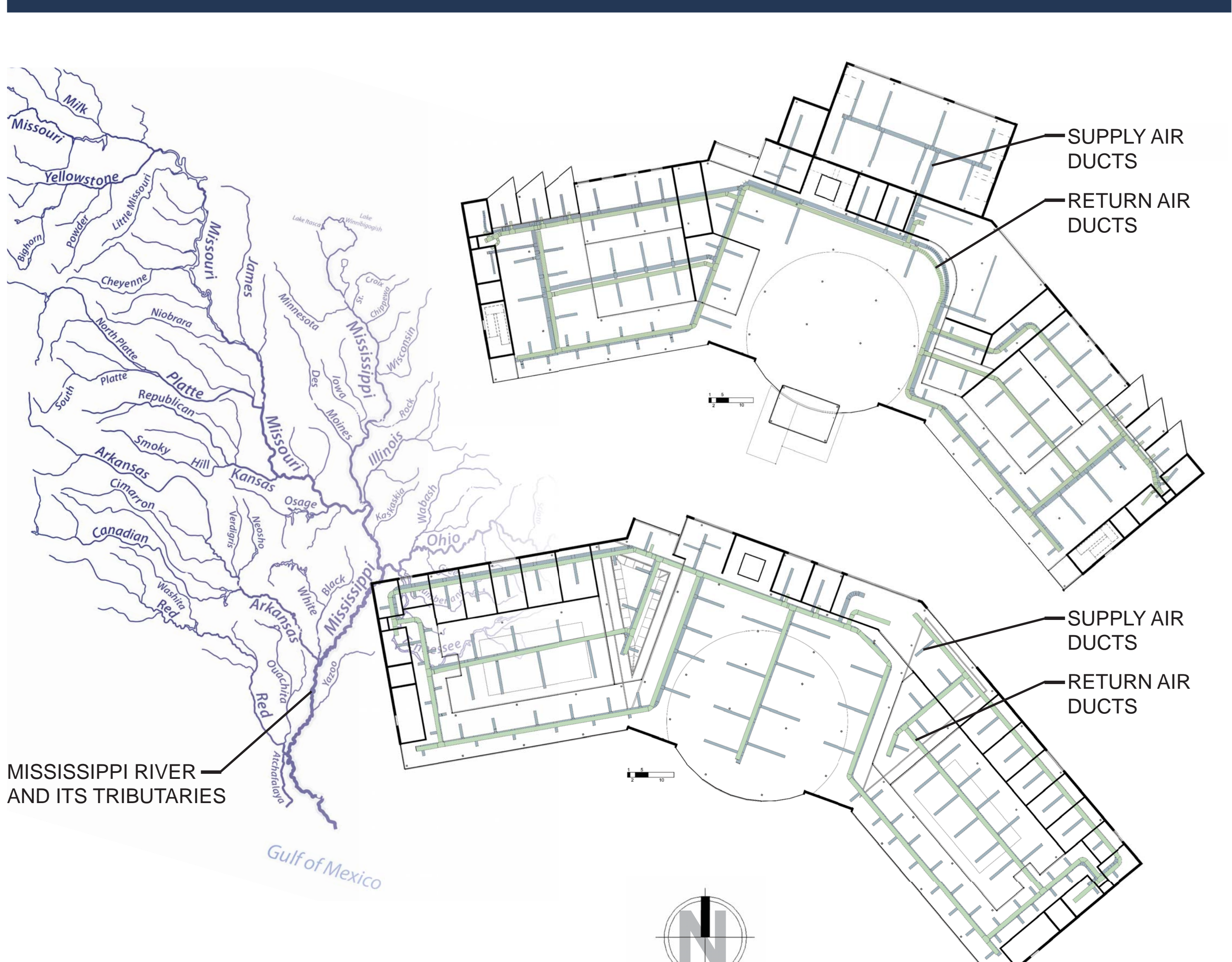
E N E R G Y



GREEN ROOF ASSEMBLY



STRUCTURAL ASSEMBLY



H V A C T R I B U T A R I E S

P E R S P E C T I V E S



PUBLIC CIRCULATION CORRIDOR
PUBLIC AND PRIVATE USERS CROSS PATHS IN SPACIOUS, SOUTH-FACING CORRIDORS



EXHIBITION
LARGE DISPLAYS AND AQUARIUMS EDUCATE THE PUBLIC ABOUT MINNESOTA WATER ECOSYSTEMS AND THEIR INHABITANTS



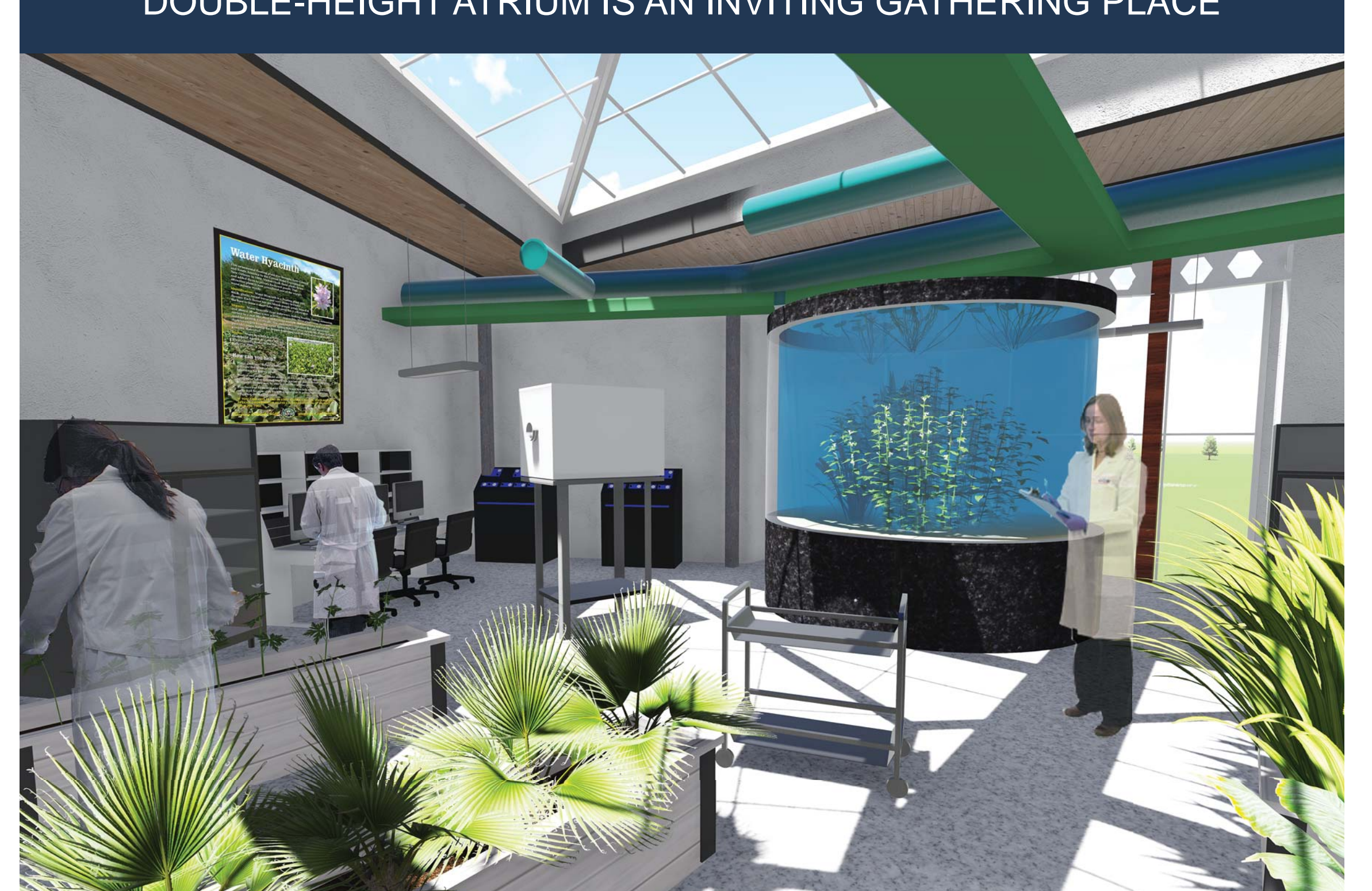
LABORATORY
SPACIOUS AND FLEXIBLE, LABORATORIES PROVIDE A PLACE FOR RESEARCH AND ARE TRANSPARENT TO THE PUBLIC



ENTRY PATH
WOODEN PATHWAYS LEAD FROM THE PARKING LOT TO THE BUILDING AND OUT TO THE PRAIRIE PLOTS AND CONSTRUCTED WETLANDS



ATRIUM
WITH CLERESTORIES AROUND THE PERIMETER, A LARGE SKYLIGHT IN THE CENTER, AND A SOUTH-FACING CURTAIN WALL, THE DOUBLE-HEIGHT ATRIUM IS AN INVITING GATHERING PLACE



GREENHOUSE
A TEMPERATURE AND SUNLIGHT CONTROLLED GREENHOUSE PROVIDES YEAR-ROUND RESEARCH AND EDUCATES THE PUBLIC ABOUT INVASIVE PLANTS

A D A P T



DISCOVER



ENGGAGE

LIFE IN A WATER WISE WETLAND

LEAD CRANE
WILDS
FISH

1 MIDGE LARVA / BLOODWORM	2 MOSQUITO LARVAE	3 GREEN WATER ONAKE	4 EGYPTIAN GOOSE	5 DADDOCK	6 DOVBIEN	7 MAYFLY NYMPH
8 DAMSELFLY NYMPH	9 SCAVENGER BEETLE	10 WHIRLIGIG BEETLE	11 MIDGE	12 GREY HERON	13 WATER MONGOOSE	14 DAMSELFLY
15 AFRICAN JACANA	16 STRAIGHT TAIL BARB	17 AFRICAN SPOONBILL	18 BACKSWIMMER	19 MOSQUITO	20 BLUE CRANE	21 RED WING
22 BUTTERFLY	23 WATER STRIDER	24 DRAGONFLY	25 FRESH WATER CRAB	26 OMBAWATER BUG	27 MAYFLY	28 RED WING



The Mississippi River

What are the challenges we currently face?

Comparison: Mississippi & Yangtze

Collaboration

