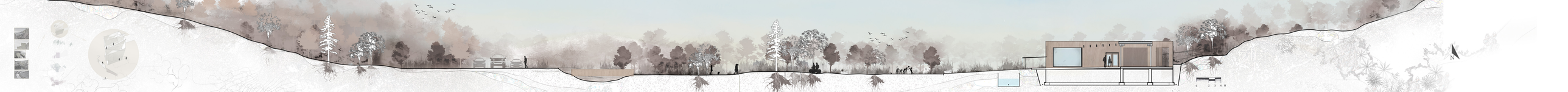
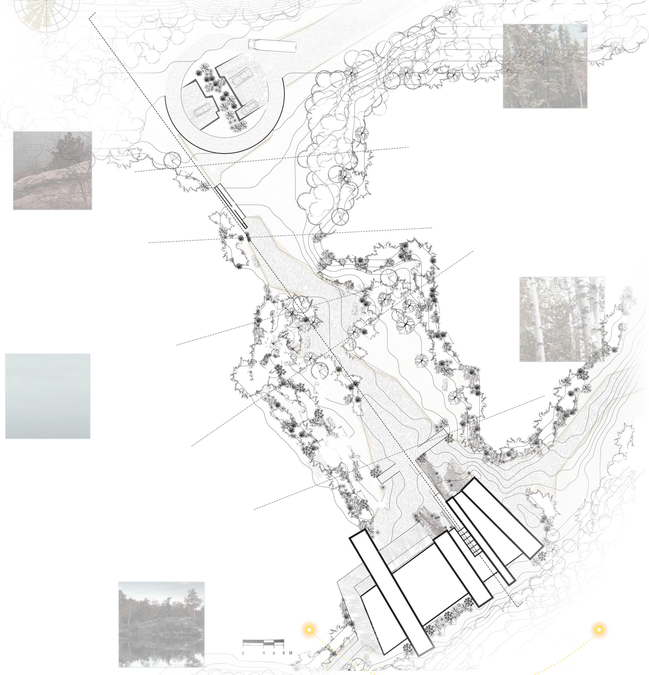


THE FORM OF THE ECOLOGY CENTRE SPEAKS TO THE GEOMORPHOLOGY OF THE SITE. THE GLACIERS ERODED AWAY LAYERS OF ROCKS CREATING STRIAE AND LEFT DEPOSITS OF SEDIMENT, SHOWING THE DEVELOPMENT OF LAKE LAURENTIAN'S UNIQUE QUALITIES.

LAKE LAURENTIAN

ecology centre



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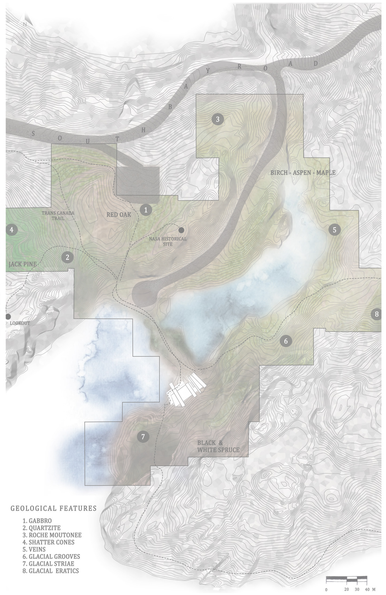


GEOLOGICAL FEATURES

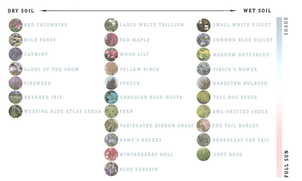
1. GABBRO
2. QUARTZITE
3. ROCHE MOUTONEE
4. SHATTER CONES
5. VEINS
6. GLACIAL GROOVES
7. GLACIAL STRIAE
8. GLACIAL ERATICS

landscape

DESIGNING FOR RESILIENCE

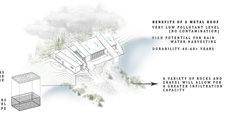
*ORIGINALLY FROM ECOLOGY

PROPOSED PLANTINGS



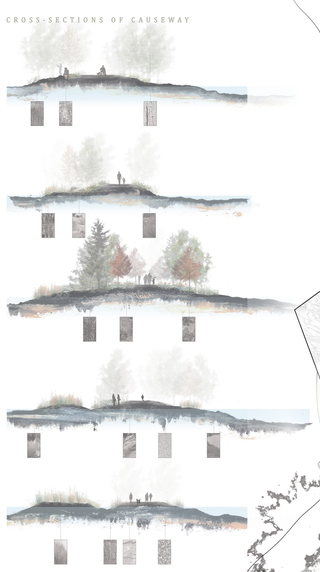
*ORIGINALLY FROM ECOLOGY

SOFT ENGINEERING

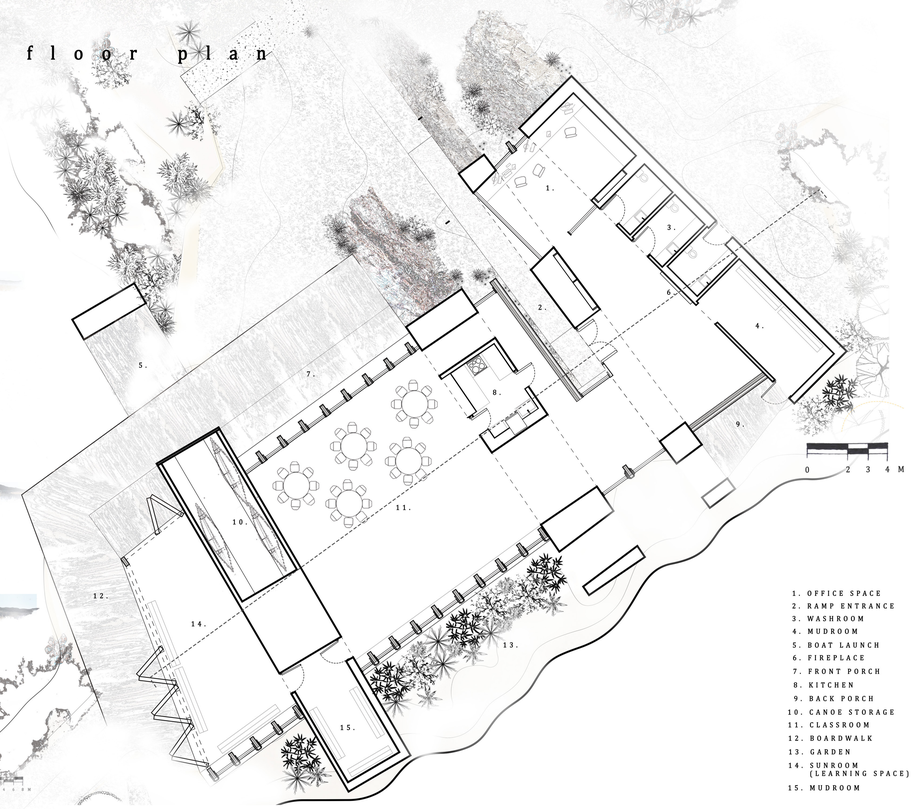


*ORIGINALLY FROM ECOLOGY

CROSS-SECTIONS OF CAUSEWAY



floor plan



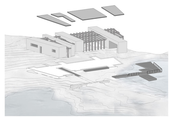
1. OFFICE SPACE
2. RAMP ENTRANCE
3. WASHROOM
4. MUDROOM
5. BOAT LAUNCH
6. FIREPLACE
7. FRONT PORCH
8. KITCHEN
9. BACK PORCH
10. CANOE STORAGE
11. CLASSROOM
12. BOARDWALK
13. GARDEN
14. SUNROOM (LEARNING SPACE)
15. MUDROOM

THE FORM OF THE ECOLOGY CENTRE SPEAKS TO THE GEOMORPHOLOGICAL LANDSCAPE OF THE SITE. THE GLACIERS ERODED AWAY LAYERS OF ROCK CREATING STRIAE AND LEAVING SEDIMENTARY DEPOSITS. THIS PROCESS SHOWS THE CREATION AND DEVELOPMENT OF LAKE LAURENTIAN'S UNIQUE CHARACTERITICS. A NOTION OF EROSION IS PORTRAYED THROUGHOUT THE BUILDING DESIGN VIA THE INTERACTION OF CROSS-LAMINATED TIMBER WALLS AND LANDSCAPE. THE CELEBRATION OF THIS NATURAL PROCESS ENGAGES THE COMMUNITY WITH NATURE. THE ECOLOGY CENTRE EXISTS IN A DYNAMIC ECOLOGICAL ENVRIONMENT WITH MANY LIVING SPECIES. ITS LOCATION OPTIMIZES THE OPPORTUNITY FOR EXPLORATION. THE PROFOUND DEISGN STRETCHES ITS PURPOSE AS A MULTIFUNCTIONAL FACILITY TO HOST SEVERAL COMMUNITY GATHERINGS. THIS CAN INCLUDE BUSINESS MEETINGS, PROFESSIONAL DEVELOPMENT DAYS, WEDDING RECEPTIONS, SCHOOL FIELDTRIPS, SUMMER CAMPS, AND A TOURIST DESTINATION.

THE ECOLOGY CENTRE AND PARK ARE DESIGNED TO SUPPORT ECOLOGICAL AND CULTURAL SERVICES THAT PERTAIN TO EDUCATIONAL BENEFITS, RECREATION, ENVRIONMENTAL CONSERVATORY AND AESTHETIC BEAUTY. SOFT ENGINERING TECHNOLOGIES AND ENVIRONMENTALLY CONSCIOUS APPROACH ARE USED TO CONNECT HUMANS TO NATURE. BIOSWALES, WATER HARVESTING AND VARIATING ROCKS ARE USED TO INFILTRATE RUN-OFF. WATER IS INCORPORATED INTO THE PARK LANDSCAPE TO ENHANCE ONE'S VISITING EXPERIENCE. THIS BIOPHILIC DESIGN BRINGS HUMANS CLOSER TO NATURE BY ENGAGING HUMAN SENSES AND PROVIDING THERAPEUTIC HEALTH BENEFITS.

THE STRUCTURE IS INFORMED FROM THE GEOMORPHIC HISTORY OF THE SITE, ADDRESSES PRESENT NEEDS OF THE COMMUNITY STAKEHOLDERS, WHILE UNDERTAKING A POSITIVE CONTRIBUTION TO FUTURE ENVIRONMENTAL SUSTAINABILITY.

STRUCTURE



*ORIGINALLY FROM ECOLOGY

*ORIGINALLY FROM ECOLOGY

*ORIGINALLY FROM ECOLOGY

south section

lobby

classroom