

a transcribed language of architectural elements

ENVIRO - BRAILLE



**the THESIS
QUESTION**

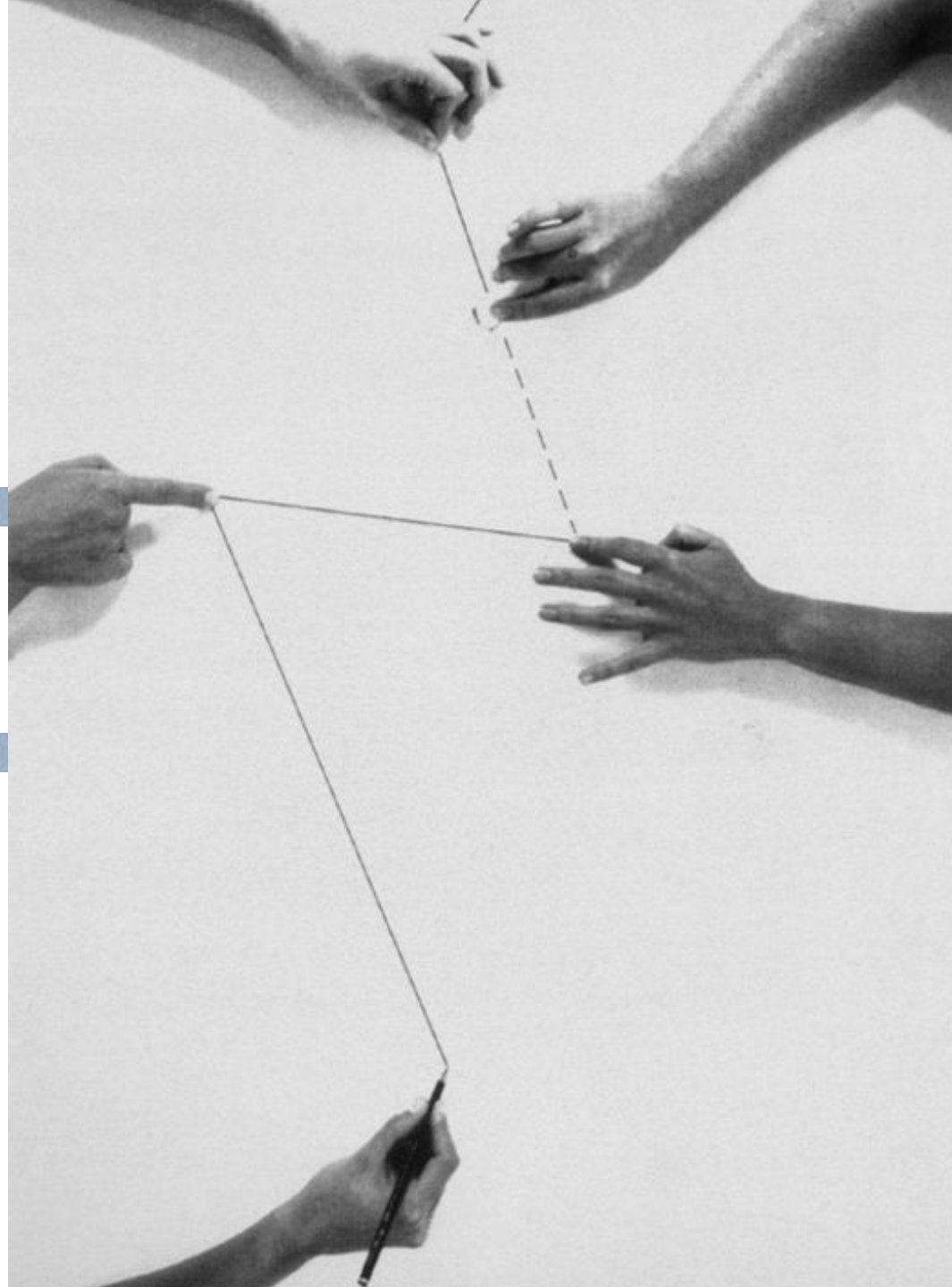
What should architectural environments communicate to the visually impaired?

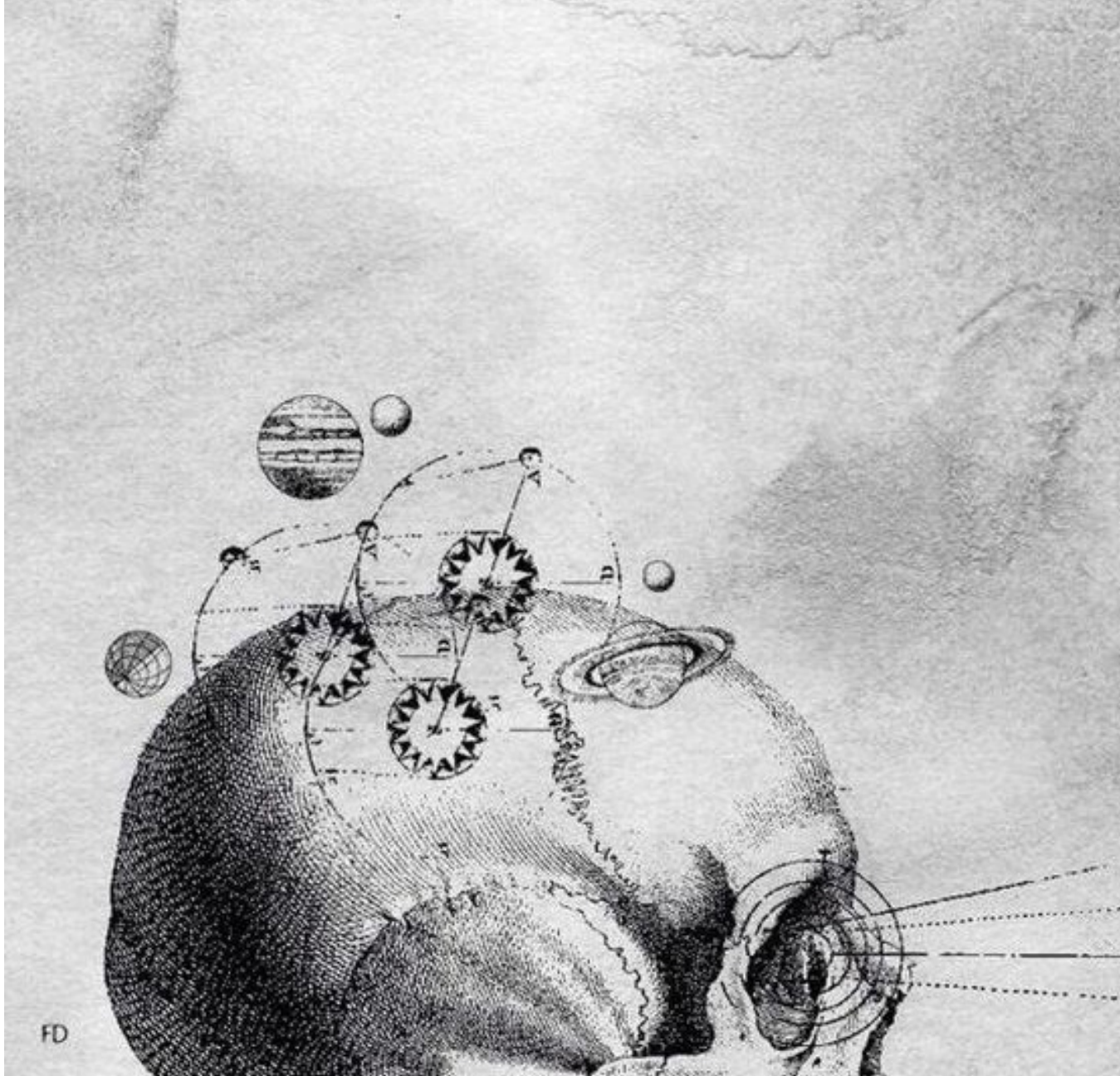


ANSWERING the QUESTION by...

Research of those who are blind, or **visually impaired** and understanding how this characteristic impacts their daily lives as it relates to architecture and their socio-cultural context.

Research of **cognitive processes** to understand how architecture can be communicated, or transcribed, like language, so that someone with visual impairments can understand their environment better.

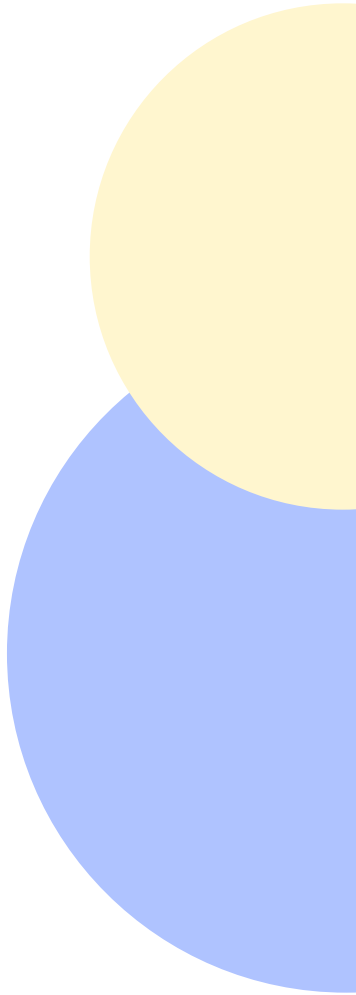




beauty
breath
Stillness
Balance
Interaction
edges
adventure
change
circulation



time
meaning
delight
direction
safety
pathways
place
orientation



units of LANGUAGE

phonology: *Individual units of sound in languages*

lexicon: *the sum total of all words in a language*

morphology: *words and other meaningful units of language*

syntax: *phrases and sentences*

semantics: *literal meaning of phrases and sentences*

grammar: *rules for generating communication*

language: *ability to produce and understand meaning*

connection between LANGUAGE and SEMIOTICS

LANGUAGE

syntax: *phrases and sentences*

semantics: *literal meaning of phrases and sentences*

pragmatics: *how reality applies to certain words*

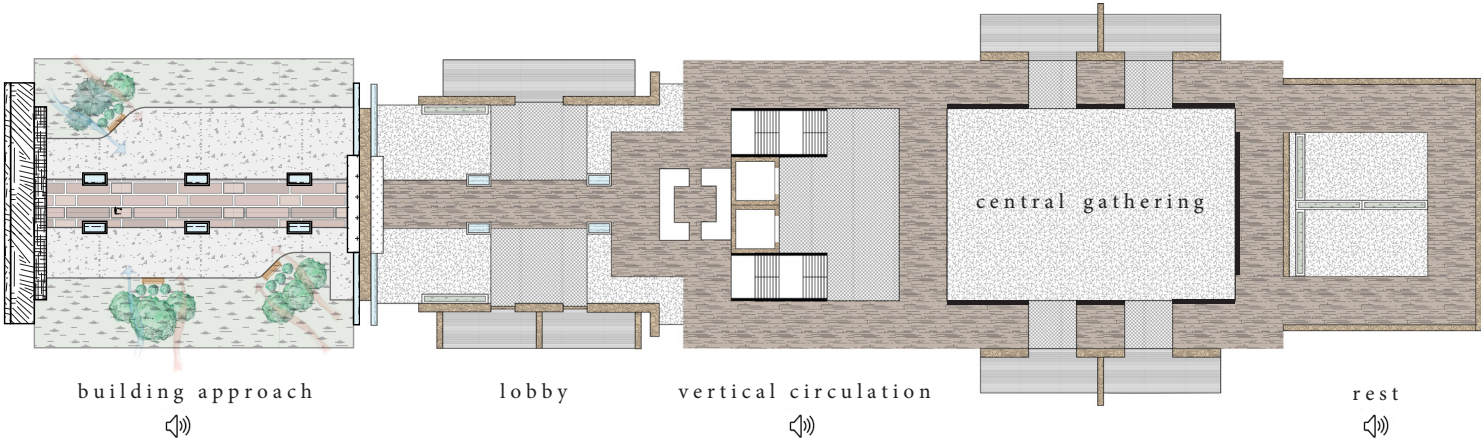
SEMIOTICS

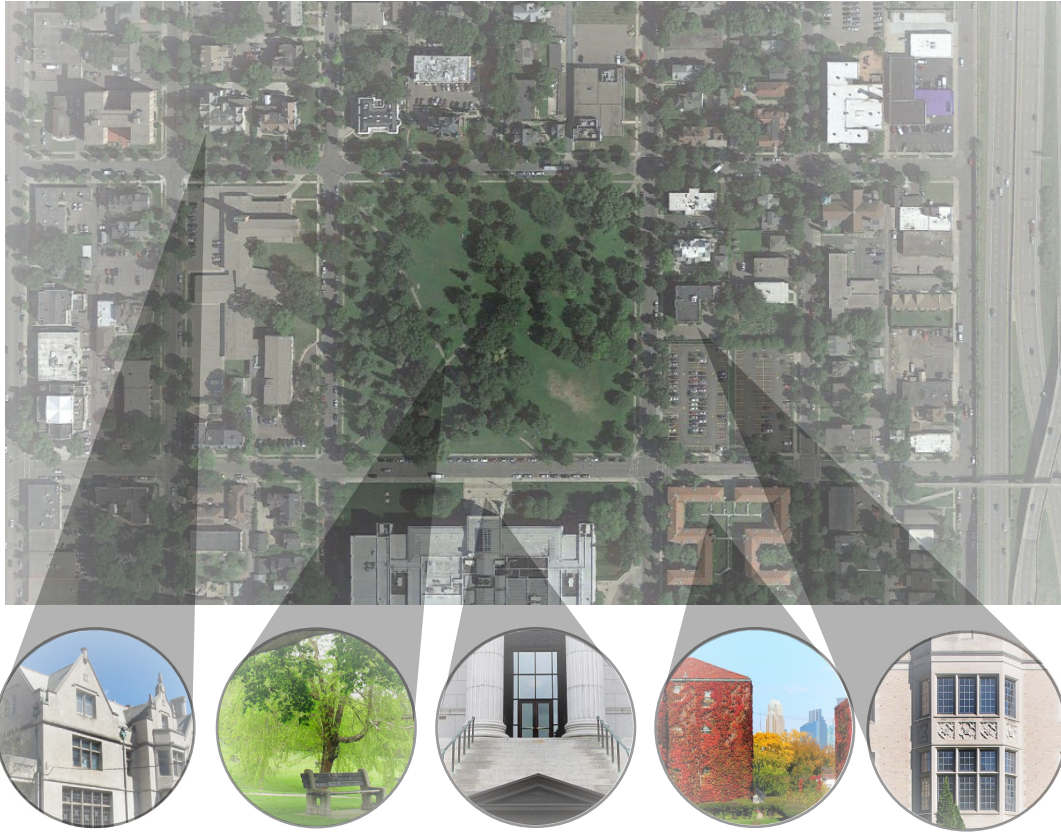
The formal or structural relations between signs

The relationship of signs to what they stand for

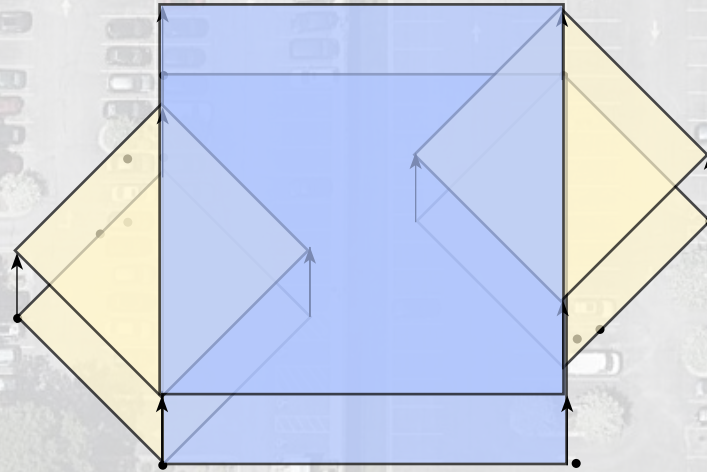
Interpretation of a sign according to its interpreter's context

the COGNITIVE EXPLANATION...

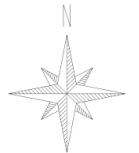




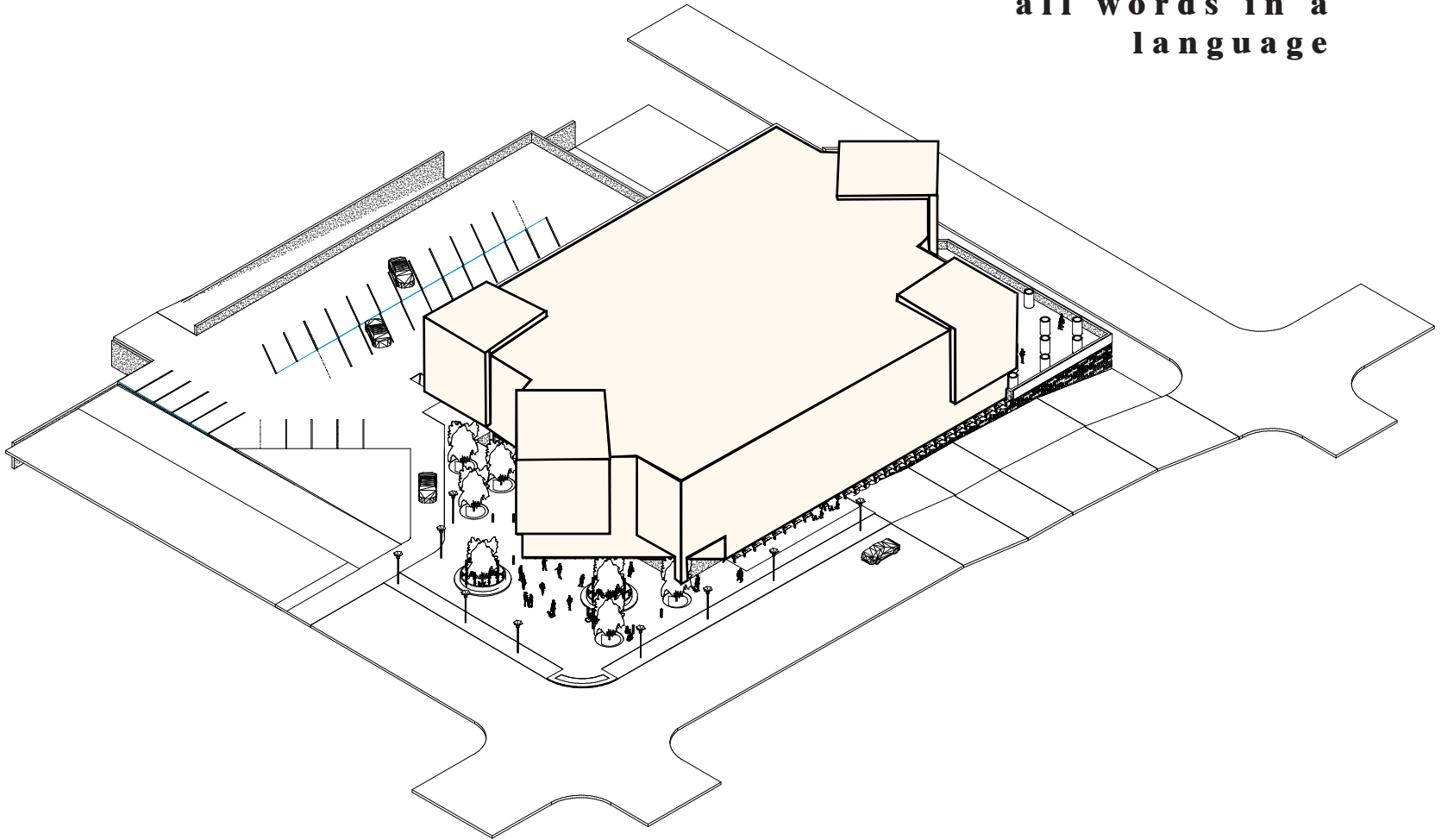
PHONOLOGY...
the individual
units of sound in
languages



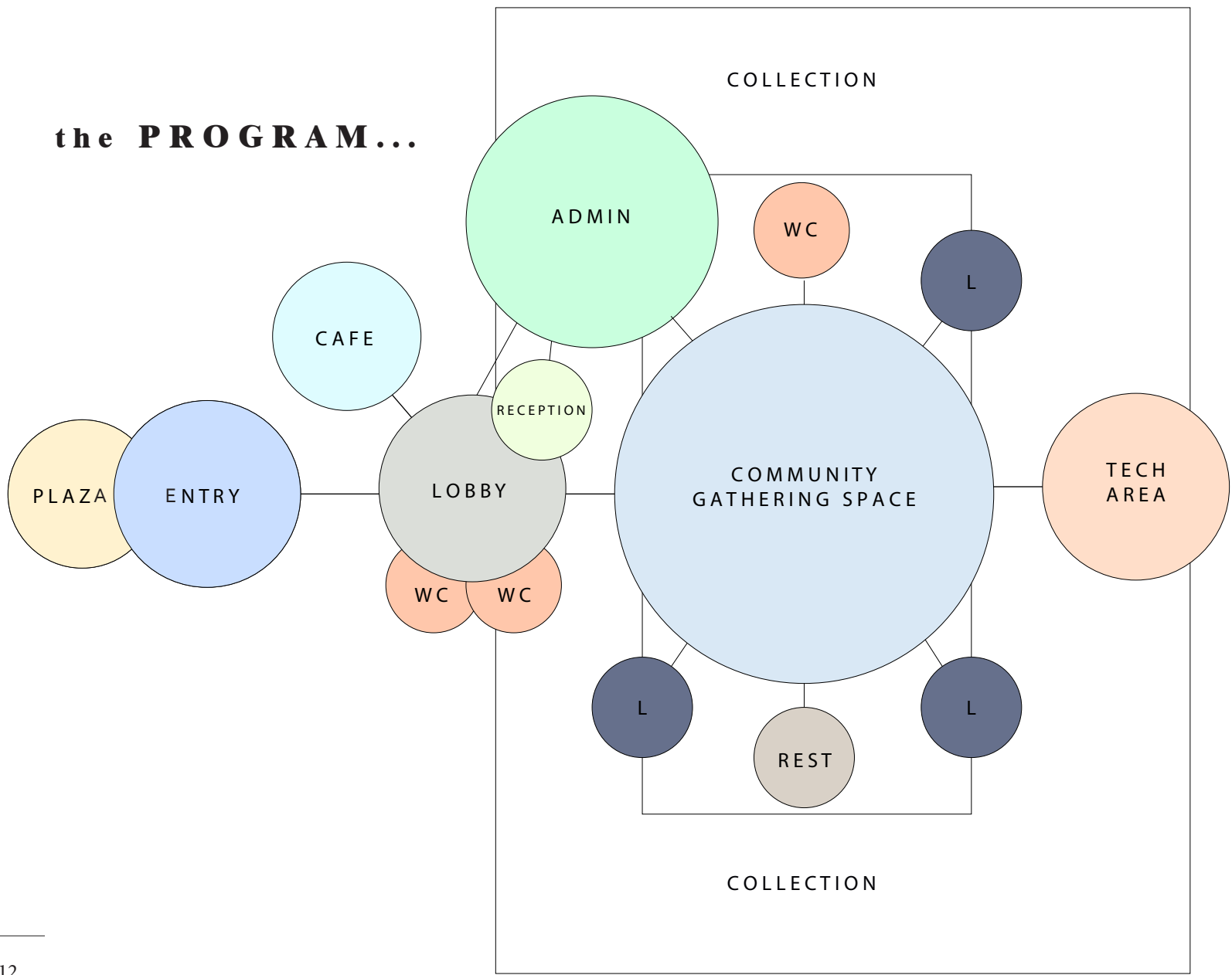
E 24th St.



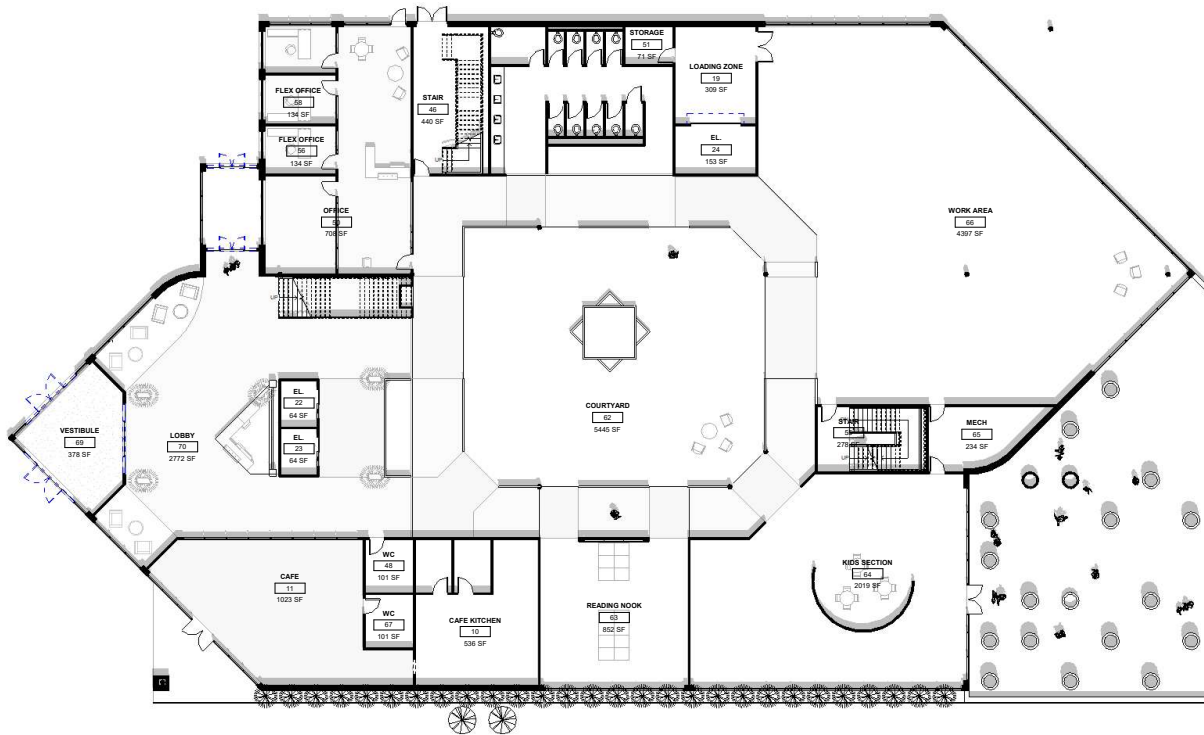
LEXICON...
the sum total of
all words in a
language



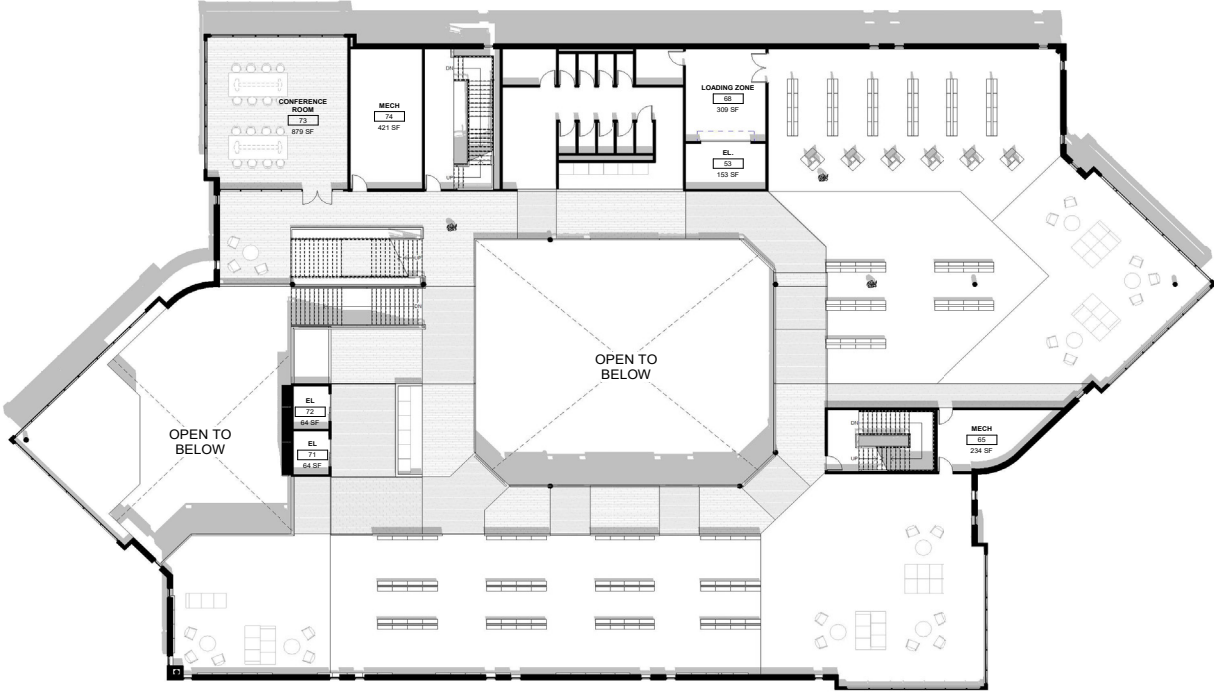
the PROGRAM...



MORPHOLOGY...
words and other
meaningful units
of language

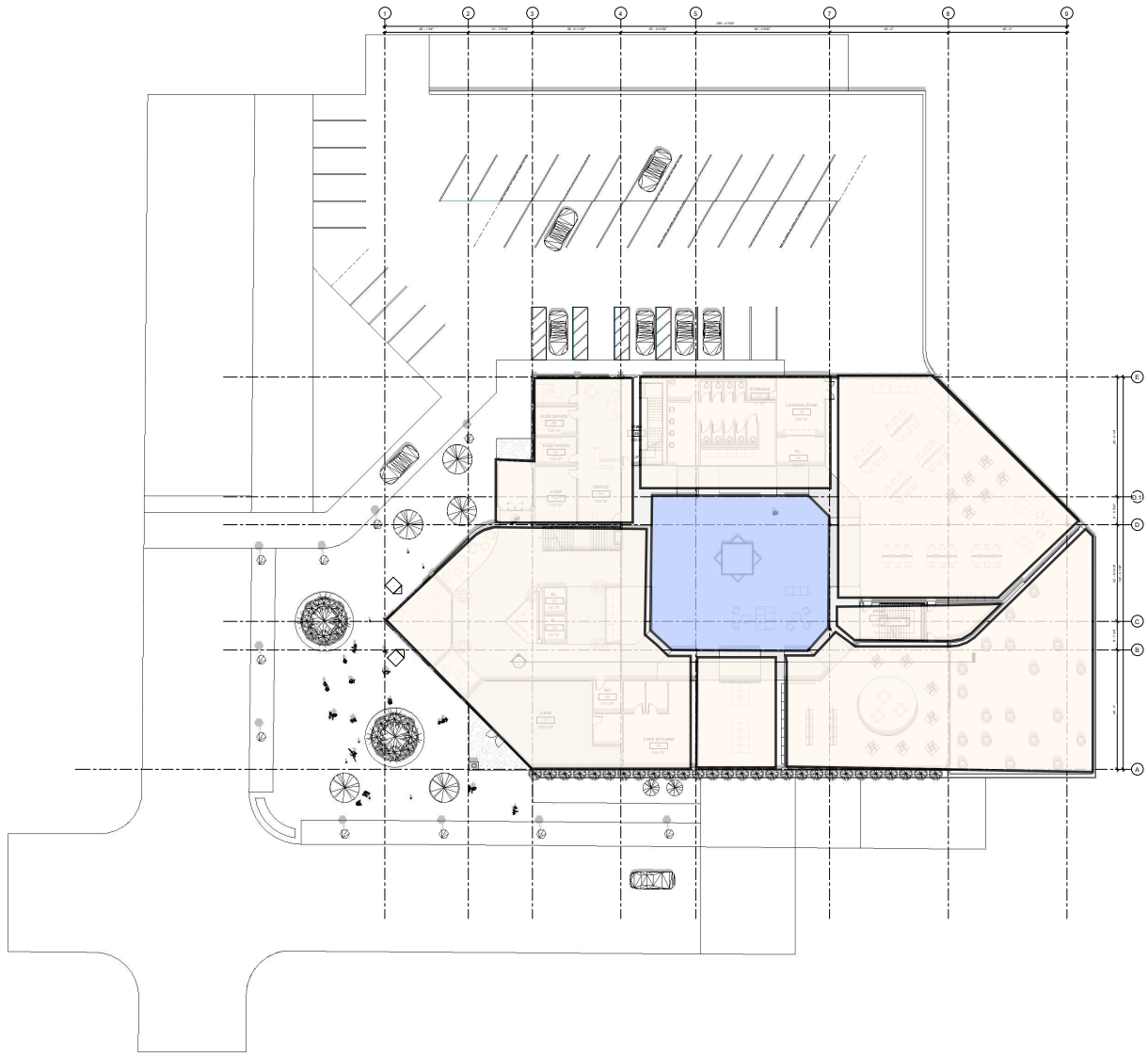


MORPHOLOGY



MORPHOLOGY



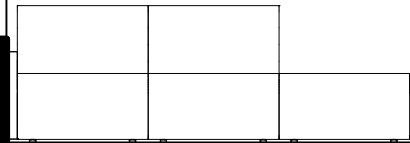
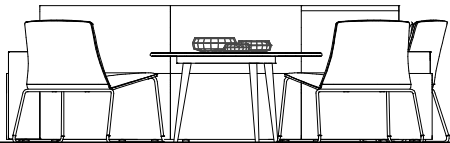


SYNTAX...
phrases and
sentences

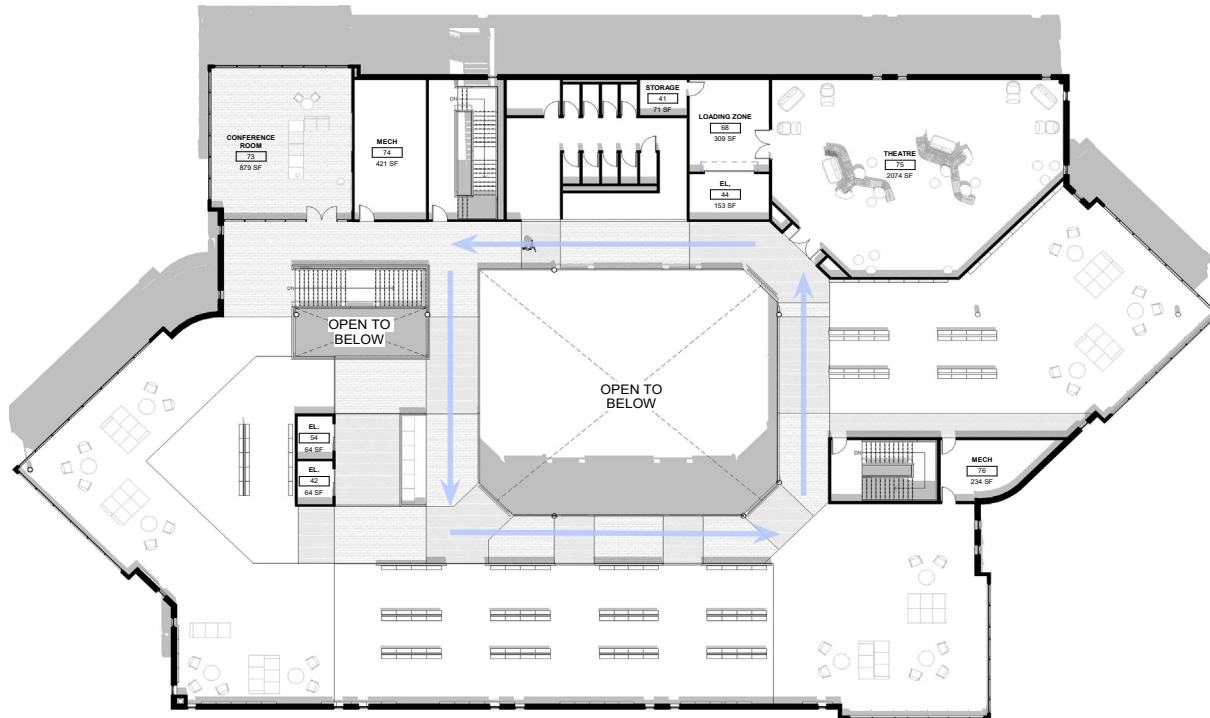


**SYNTACTIC
RELATIONSHIP**

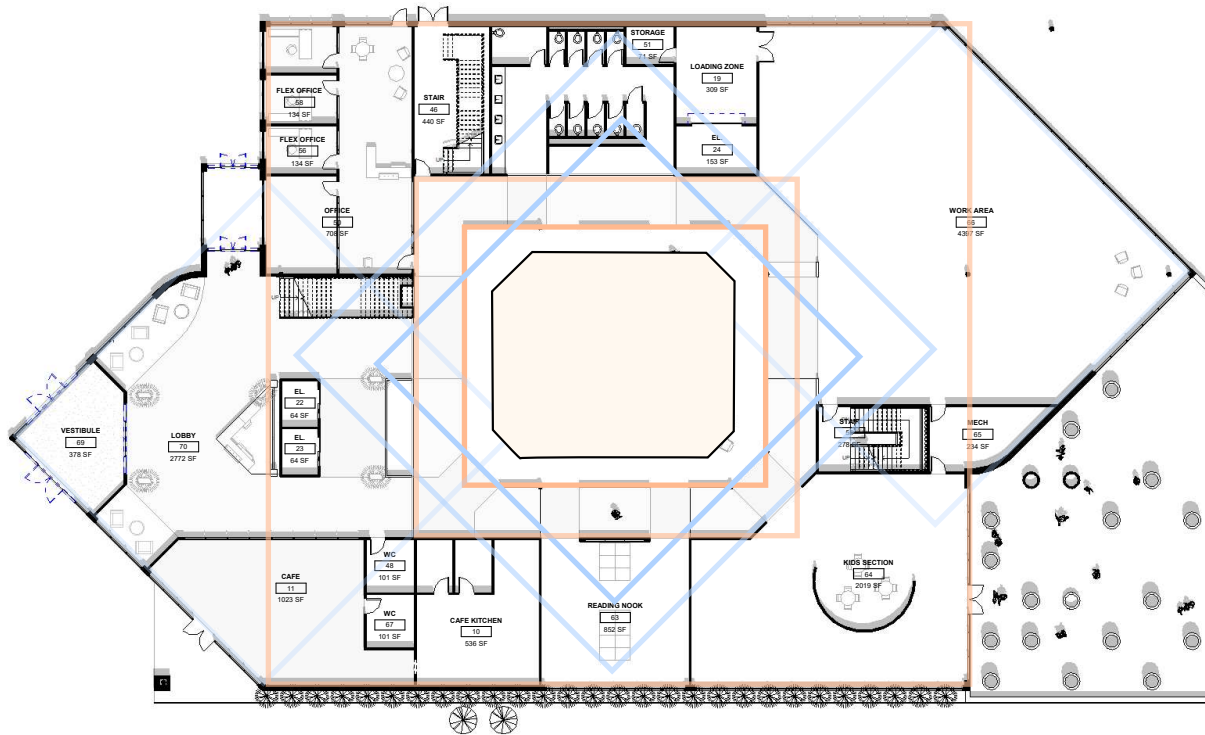
**form of the
circulation space**

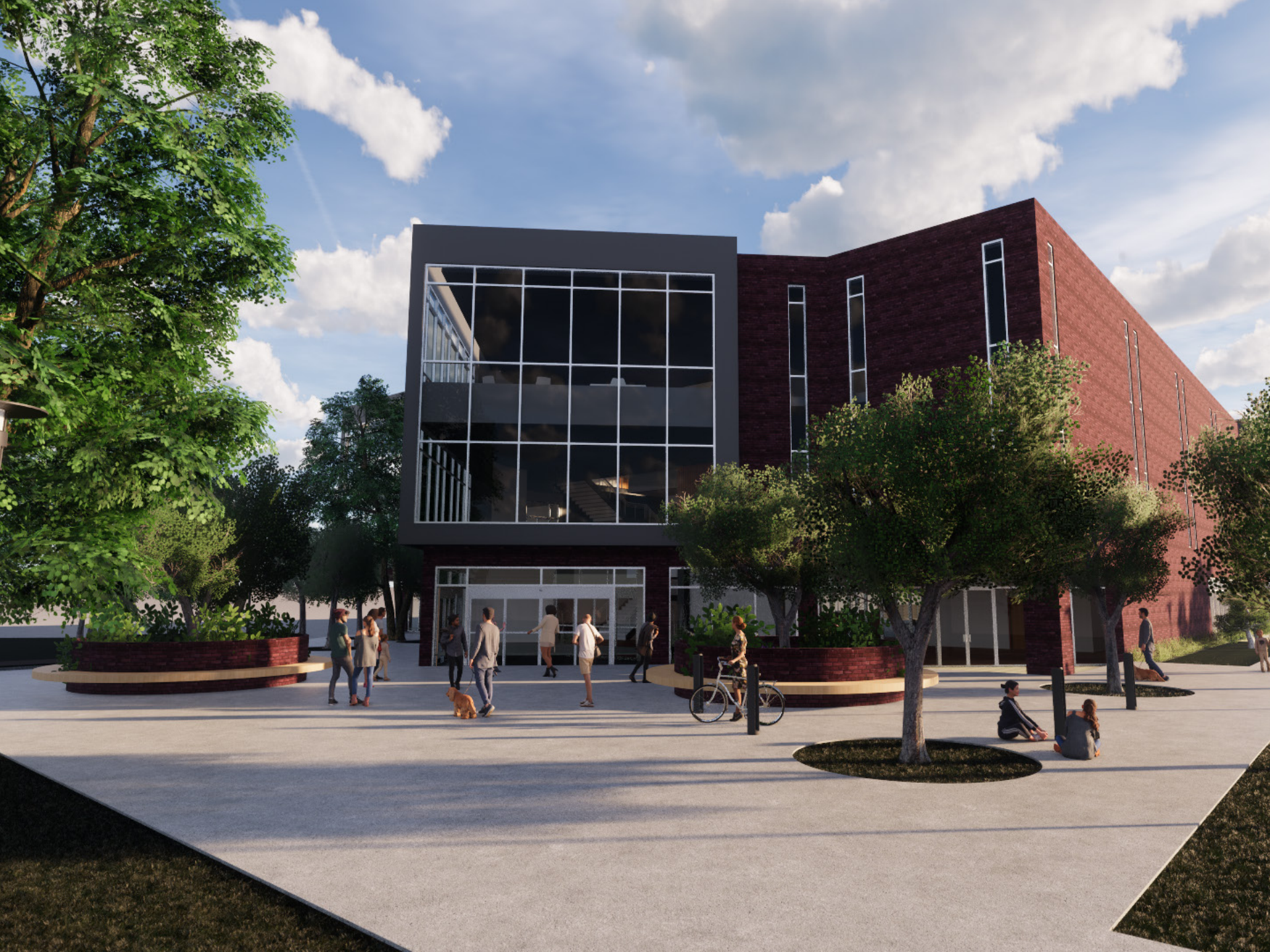


SEMANTICS...
literal meaning
of phrases and
sentences



GRAMMAR...
rules for
generating
communication







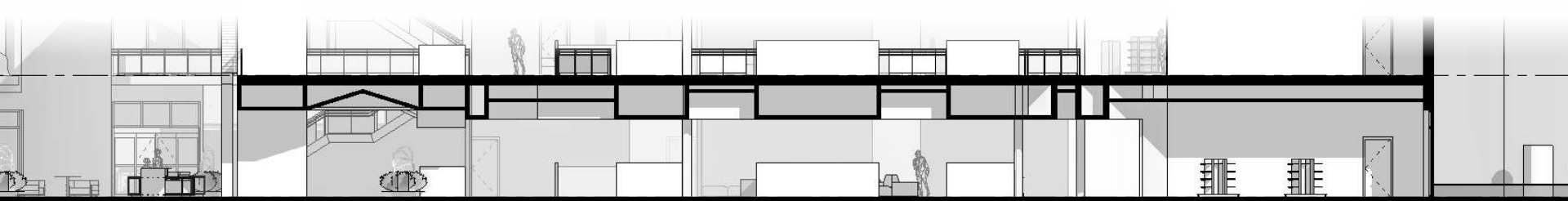
WEST ELEVATION

SOUTH ELEVATION



WEST SECTION

SOUTH SECTION



ENLARGED SOUTH SECTION







