

Hybrid Typologies: Program + Polyvalence

230 ELBPHILHARMONIE | HERZOG & DE MEURON

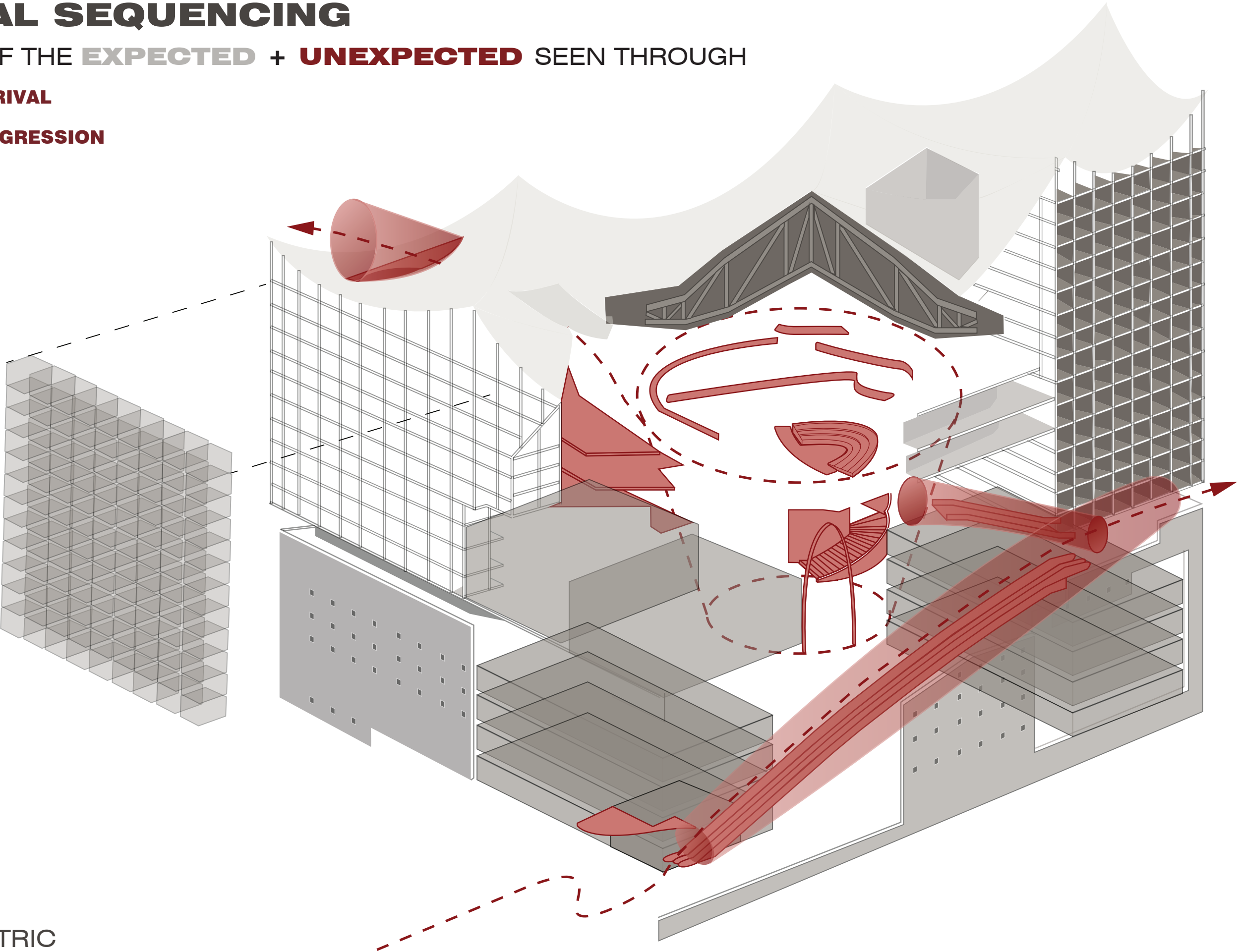
ARC 4546 02 | ARCHITECTURAL DESIGN IVB | RYAN KUBINSKI + GRACE MONAGHAN

SPATIAL SEQUENCING

DUALITY OF THE **EXPECTED** + **UNEXPECTED** SEEN THROUGH

SENSE OF ARRIVAL

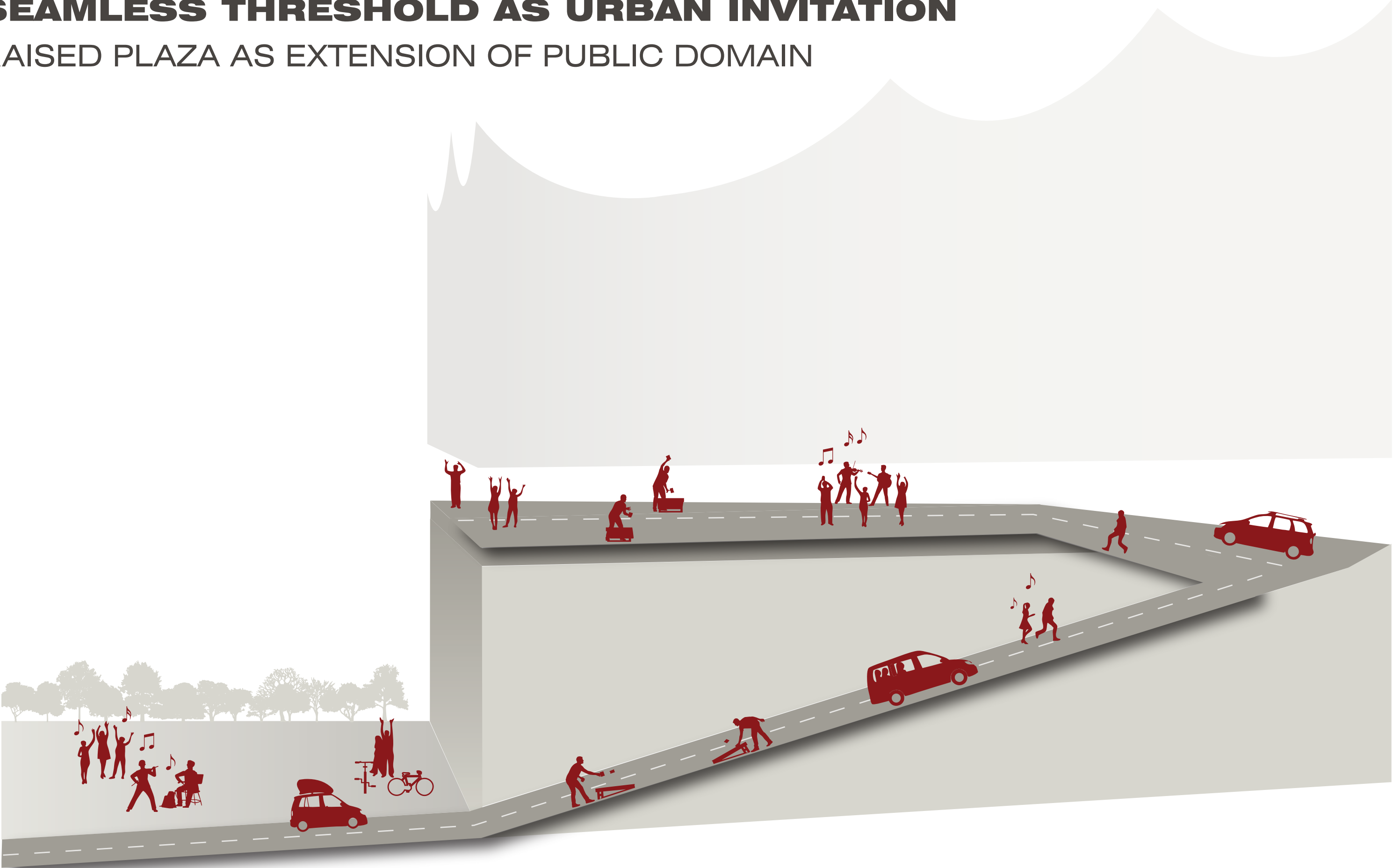
LAYERED PROGRESSION



AXONOMETRIC

SEAMLESS THRESHOLD AS URBAN INVITATION

RAISED PLAZA AS EXTENSION OF PUBLIC DOMAIN



POLYVALENT FORM

HETEROGENEITY IN ORIGIN

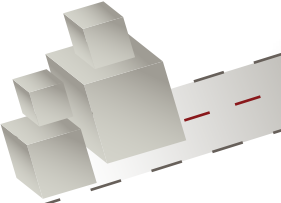
THE OLD KAISERSPEICHER, CONSTRUCTED IN 1875, MARKED THE ENTRANCE TO THE HISTORIC SPEICHERSTADT (WAREHOUSE DISTRICT), WHICH IS NOW A LISTED CULTURAL HERITAGE SITE.



FOLLOWING DAMAGE TO ITS STRUCTURE DURING WORLD WAR II, THE KAISERSPEICHER WAS REPLACED IN 1963.



THE KAISPEICHER A (1963) WAS USED AS A WAREHOUSE ORIGINALLY BUILT TO BEAR THE WEIGHT OF THOUSANDS OF HEAVY BAGS OF COCOA BEANS, THE OLD BUILD'S ROBUST STRUCTURAL SYSTEM ENABLES IT TO BEAR THE LOAD OF THE NEW MASS.



ST. MICHAELIS KIRCHE

RATHAUS

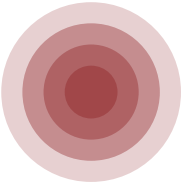
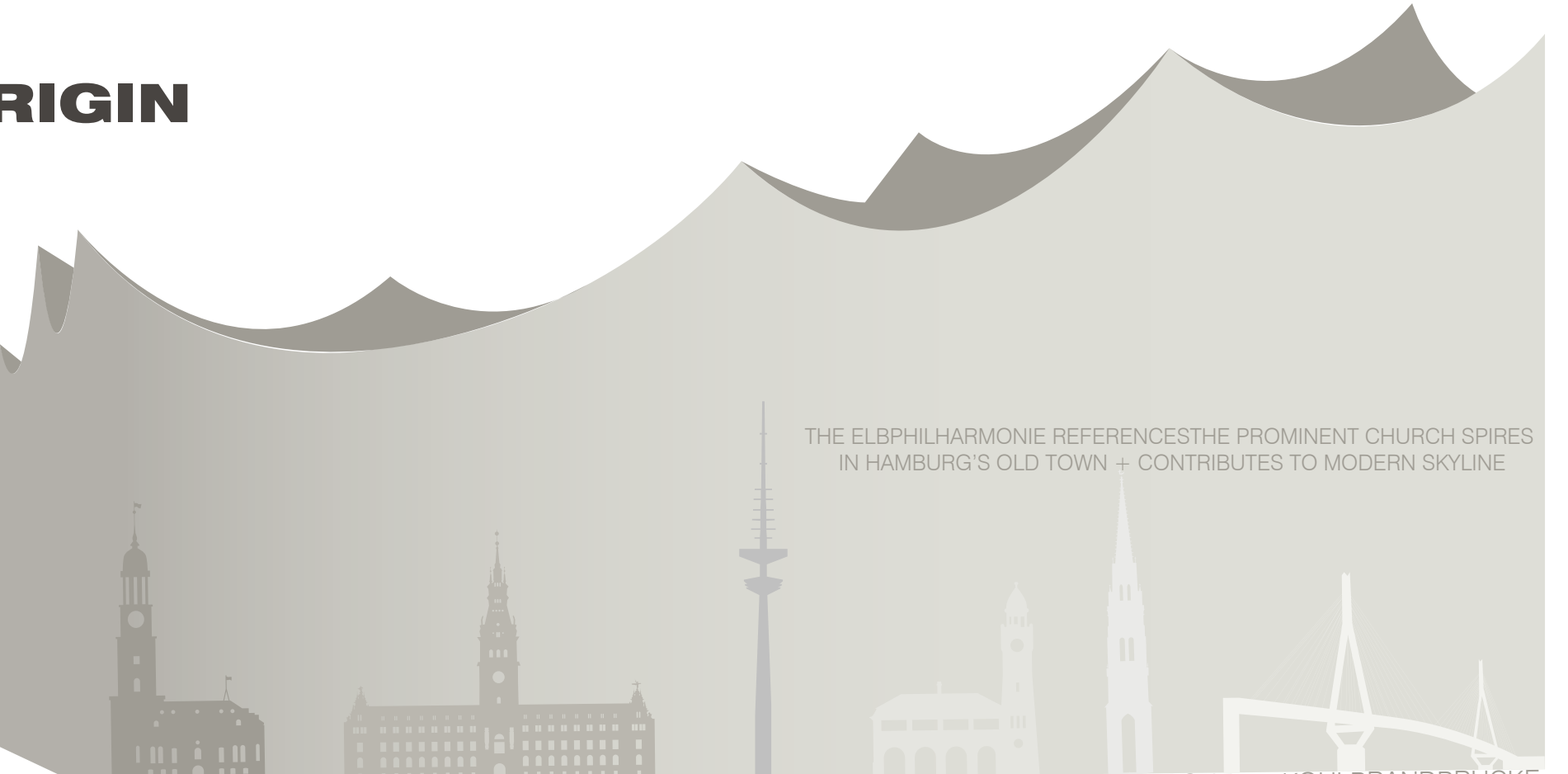
FERNSEHTURM

PEGELTURM

NIKOLAIKIRCHE

KOHLBRANDBRÜCKE

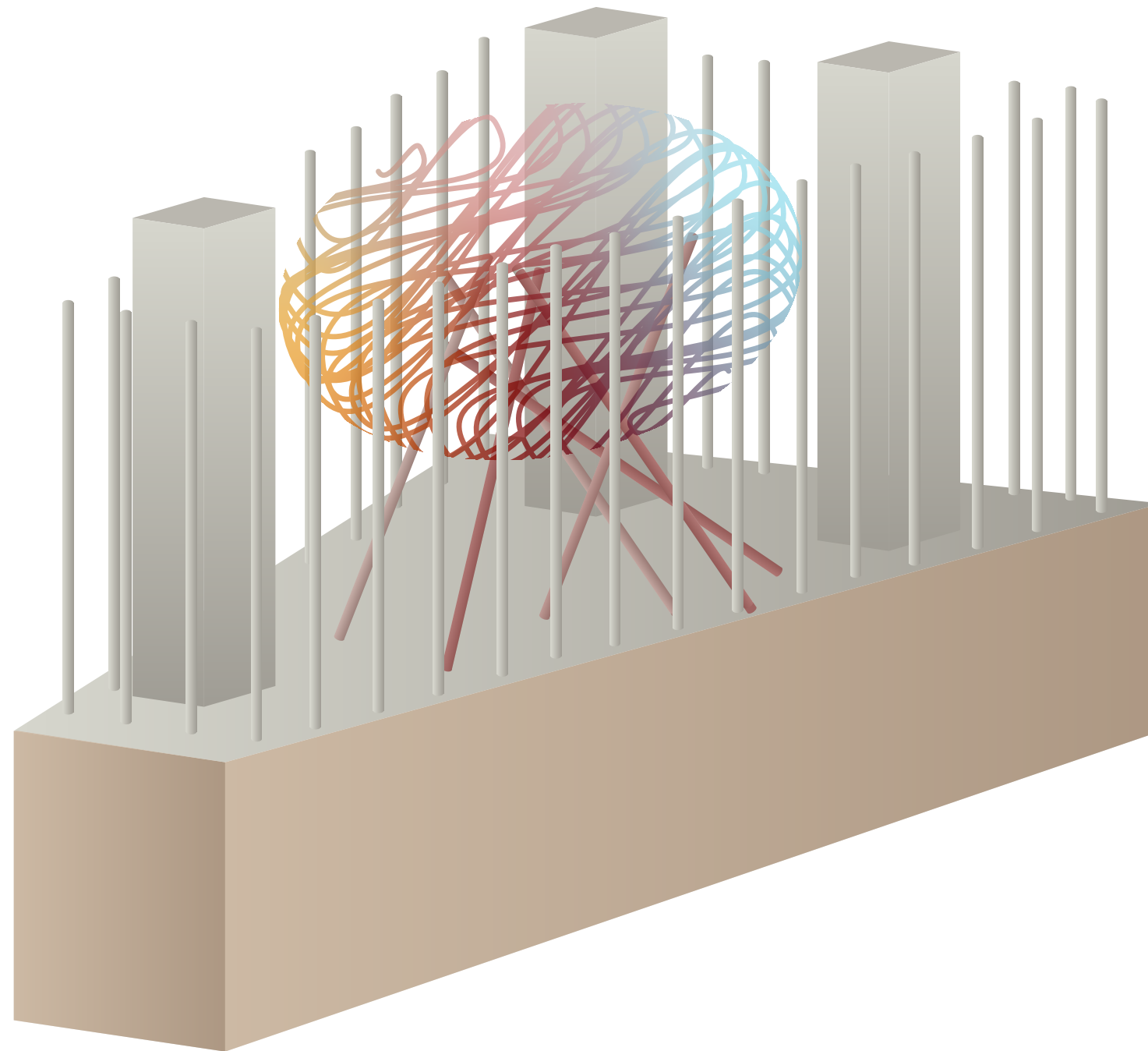
THE ELBPHILHARMONIE REFERENCESTHE PROMINENT CHURCH SPIRES IN HAMBURG'S OLD TOWN + CONTRIBUTES TO MODERN SKYLINE



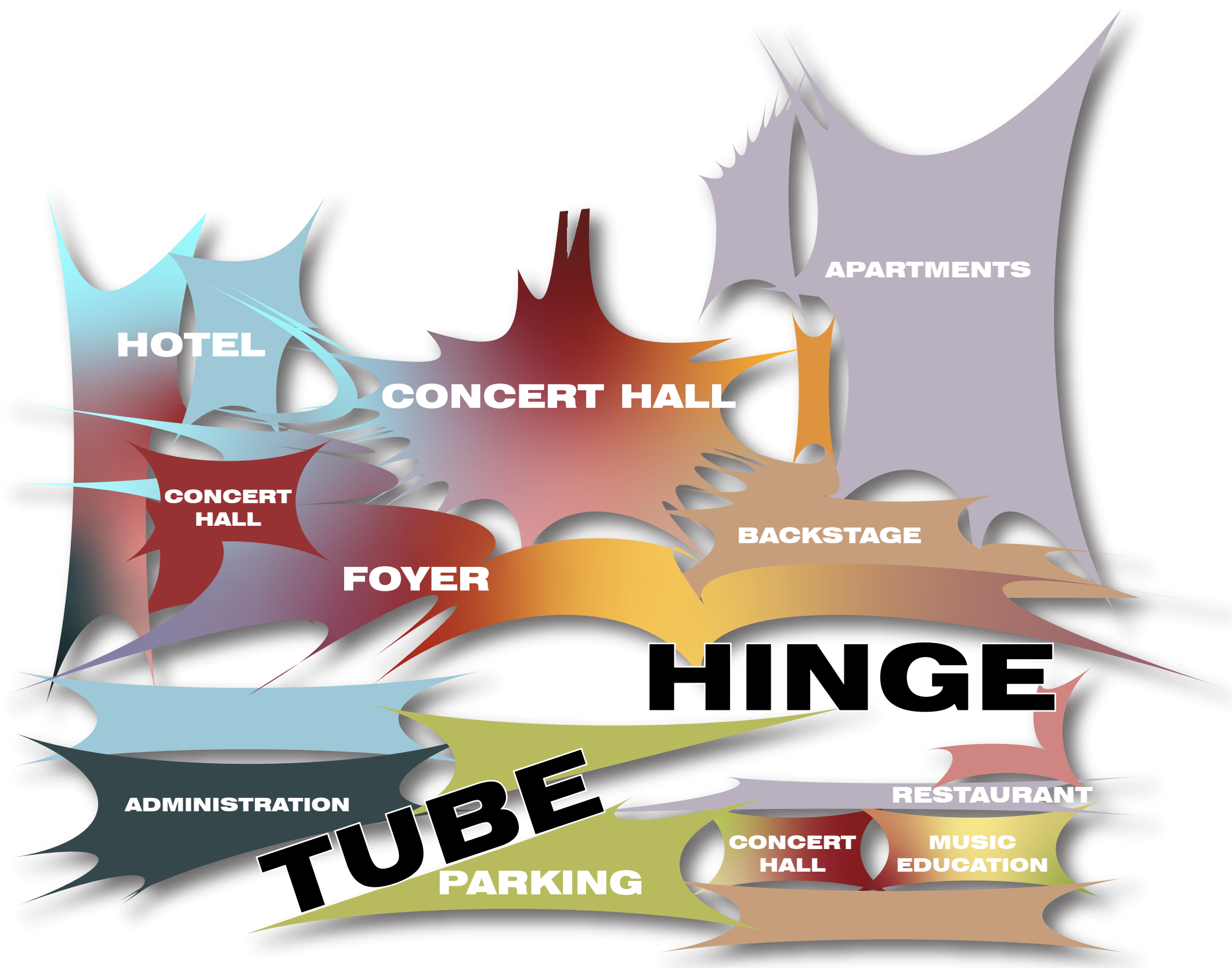
POLYVALENT STRUCTURE

COMPLEXITIES OF EMBEDDED VOLUMES

RESPONSE TO TYPICAL FORMS

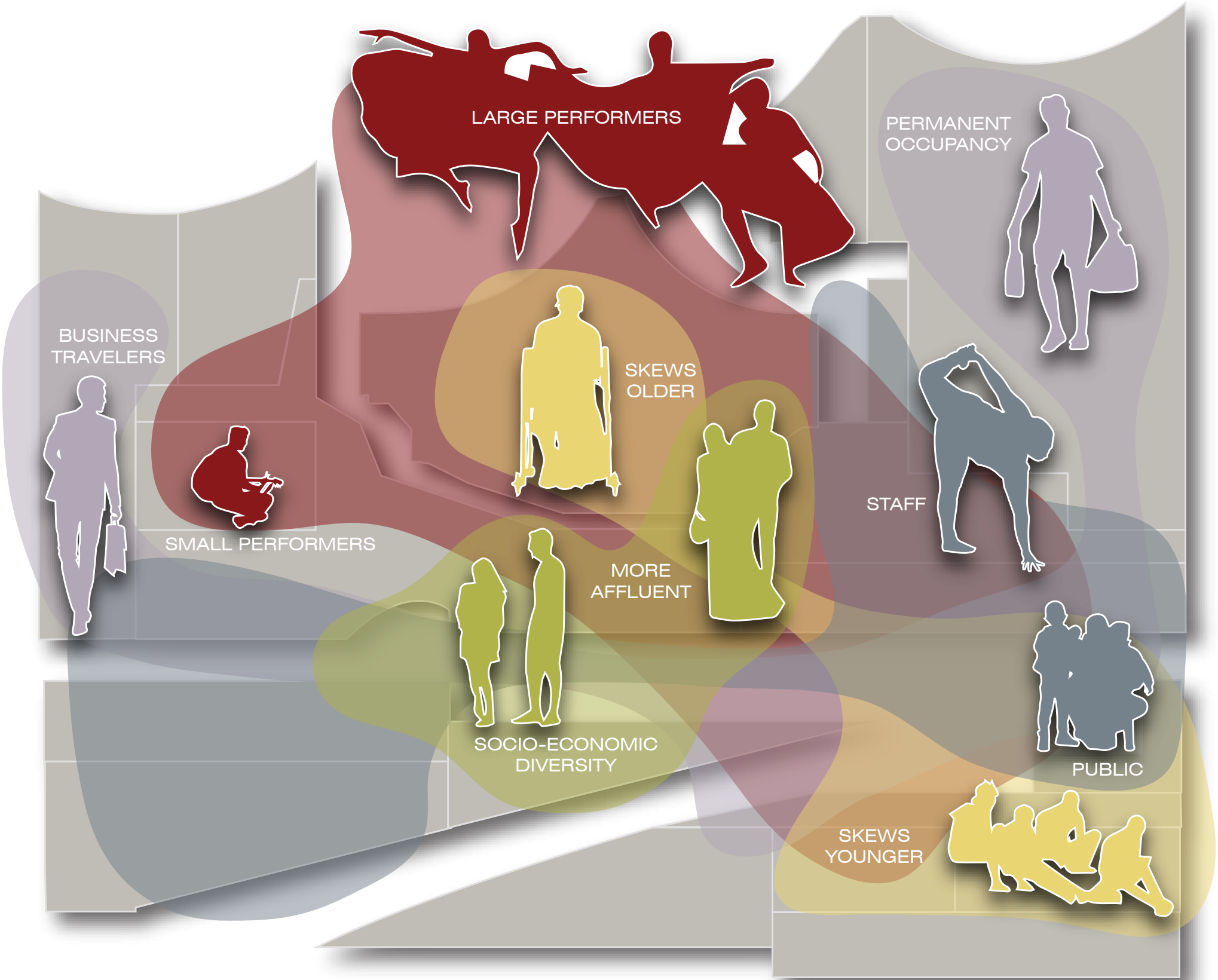


POLYVALENT USE
EXPRESSION OF COEXISTENCE



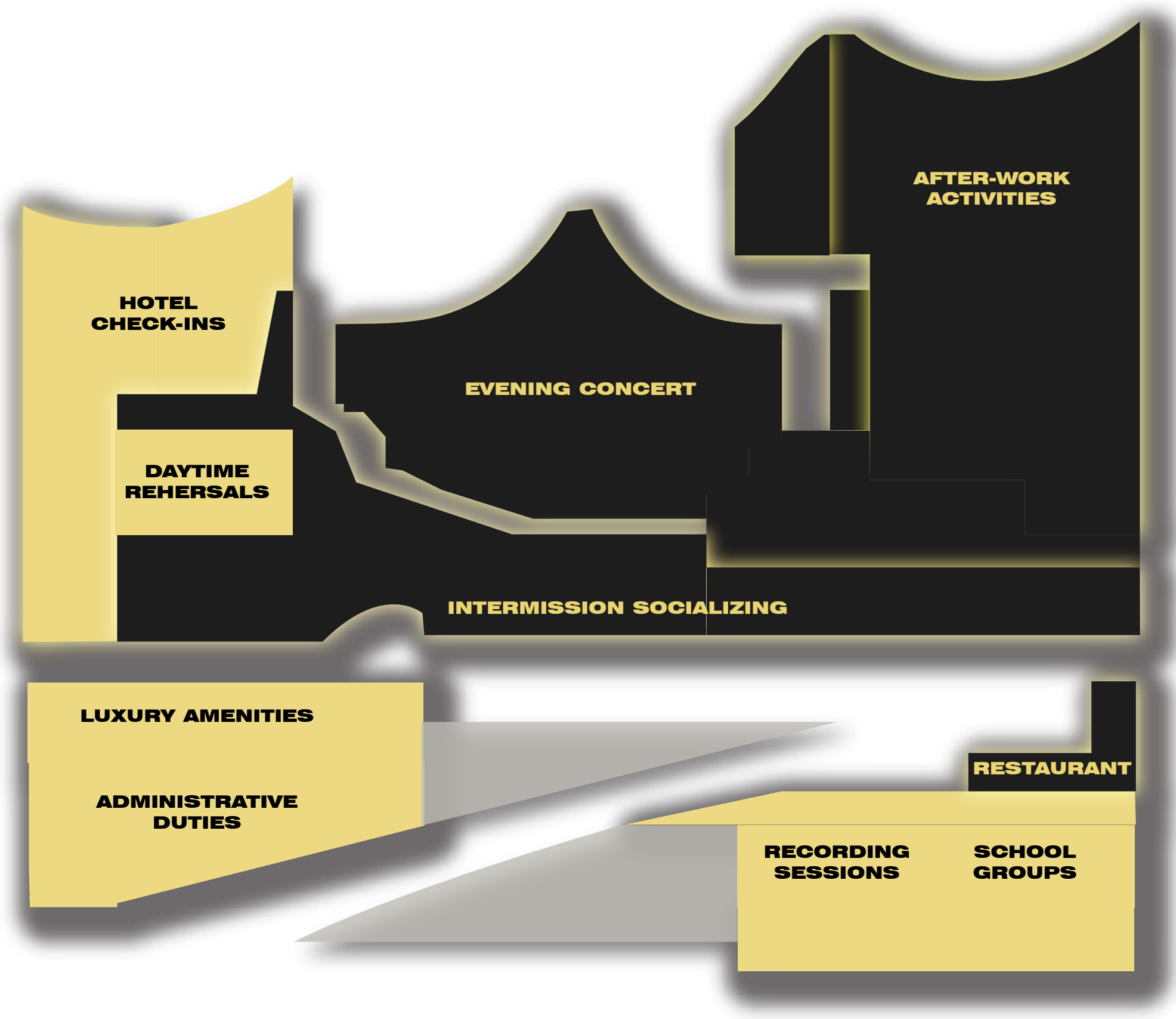
SECTION A

INTERMIXED DEMOGRAPHICS



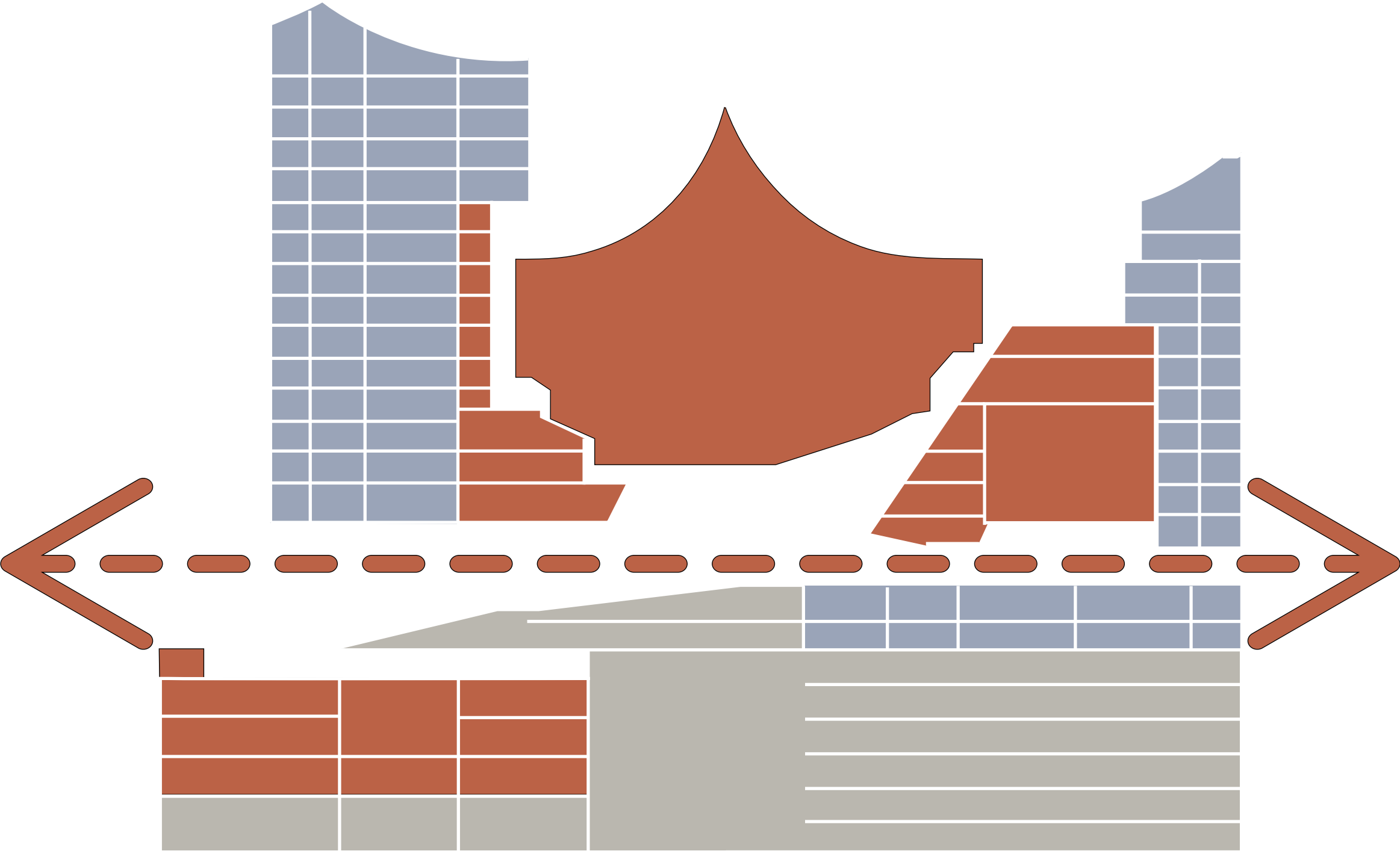
POLYVALENT TEMPORAL USE

VARIETY OF ACTIVITY LEVELS



HYBRID TYPOLOGIES

- SOCIAL CONDENSER : **EVENT**
- SOCIAL ISOLATOR : **DWELLING**
- FUNCTIONAL SERVICES : **SUPPORT**



SECTION B

POLYVALENT MATERIAL

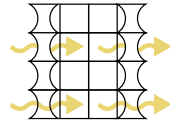
OPURTUNISTIC POROSITY : LIGHT, WIND, USERS

ROOTTOP TOPOGRAPHY

THE WAVE-LIKE ROOF CAUSES WIND ACCELERATION AT CRESTS + TURBULENCE AT VALLEYS

FACADE ARTICULATION

THE CURVED GLASS FACADE DEFLECTS AND DECELERATES WIND RATHER THAN ADMITTING IT DIRECTLY.



BIOMORPHIC OPENINGS FOR LOGGIAS AND SHALLOW PROTRUSIONS

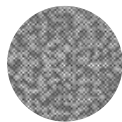
GLASS PANELS

SMALL VENTILATION WINDOWS WITHIN RECTANGULAR GRID OF GLASS REDUCE WIND PRESSURE

ORIENTATION + PROGRAM DETERMINE DENSITY OF PRINTED CIRCULAR PATTERN ON FACADE, MEDIATING LIGHT, HEAT GAIN, AND VISUAL TRANSPARENCY.



NORTH FACADE
PUBLIC PROGRAM

WEST FACADE
PRIVATE PROGRAM**PLAZA LEVEL PUBLIC TERRACE)**

WIND SWEEPS UP FROM THE ELBE RIVER
AND HAFENCITY.

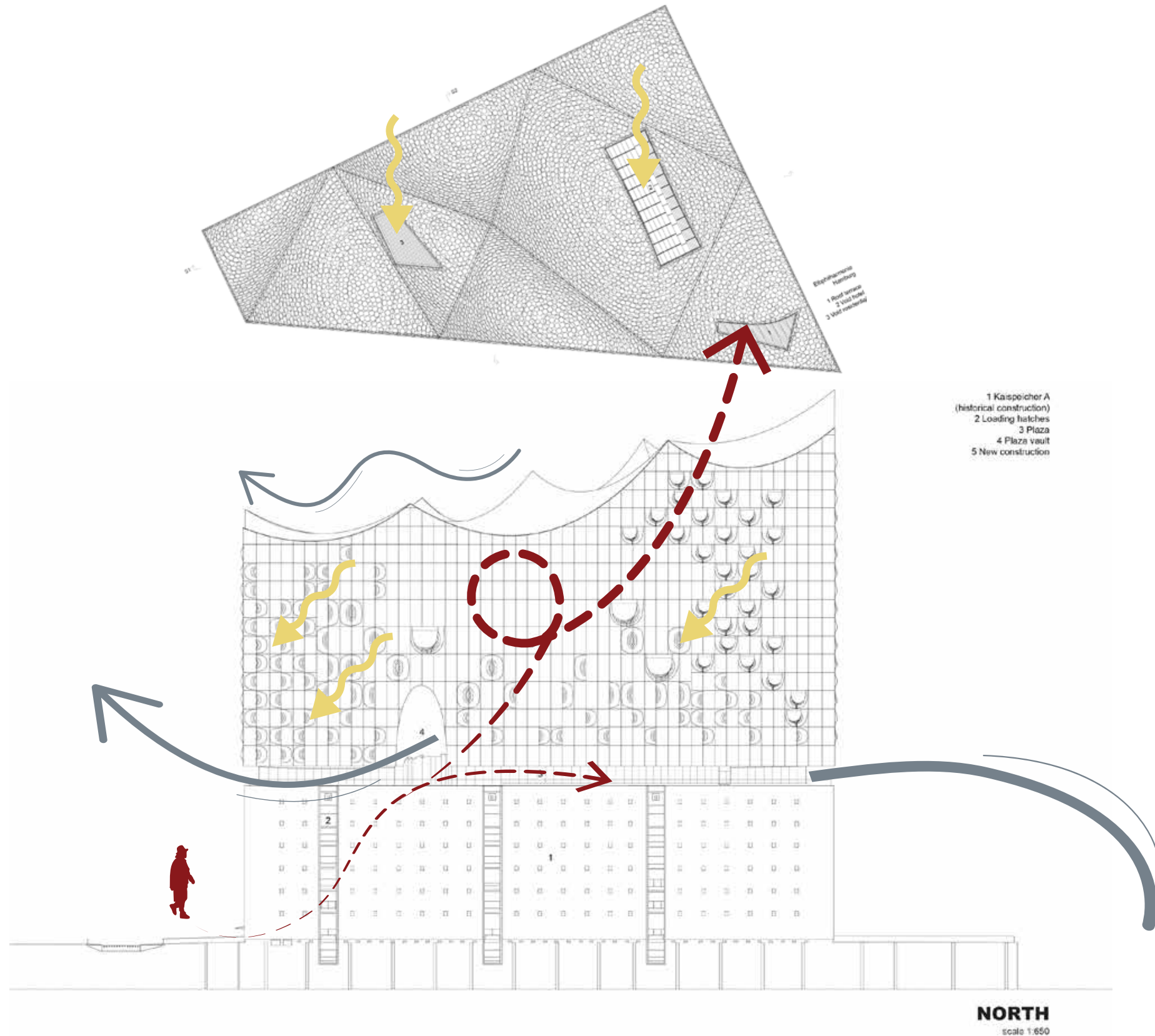
THE PLAZA ACTS LIKE A WIND CATCHMENT
PLATE ELEVATED ABOVE THE CITY.

OPENINGS AND SETBACKS AROUND THE PLAZA EDGE ALLOW LATERAL WIND MOVEMENT

BASE

A POROUS PLINTH: THICK MASONRY CARVED TO INVITE MOVEMENT WHILE MODERATING LIGHT AND WIND AT THE PEDESTRIAN LEVEL.

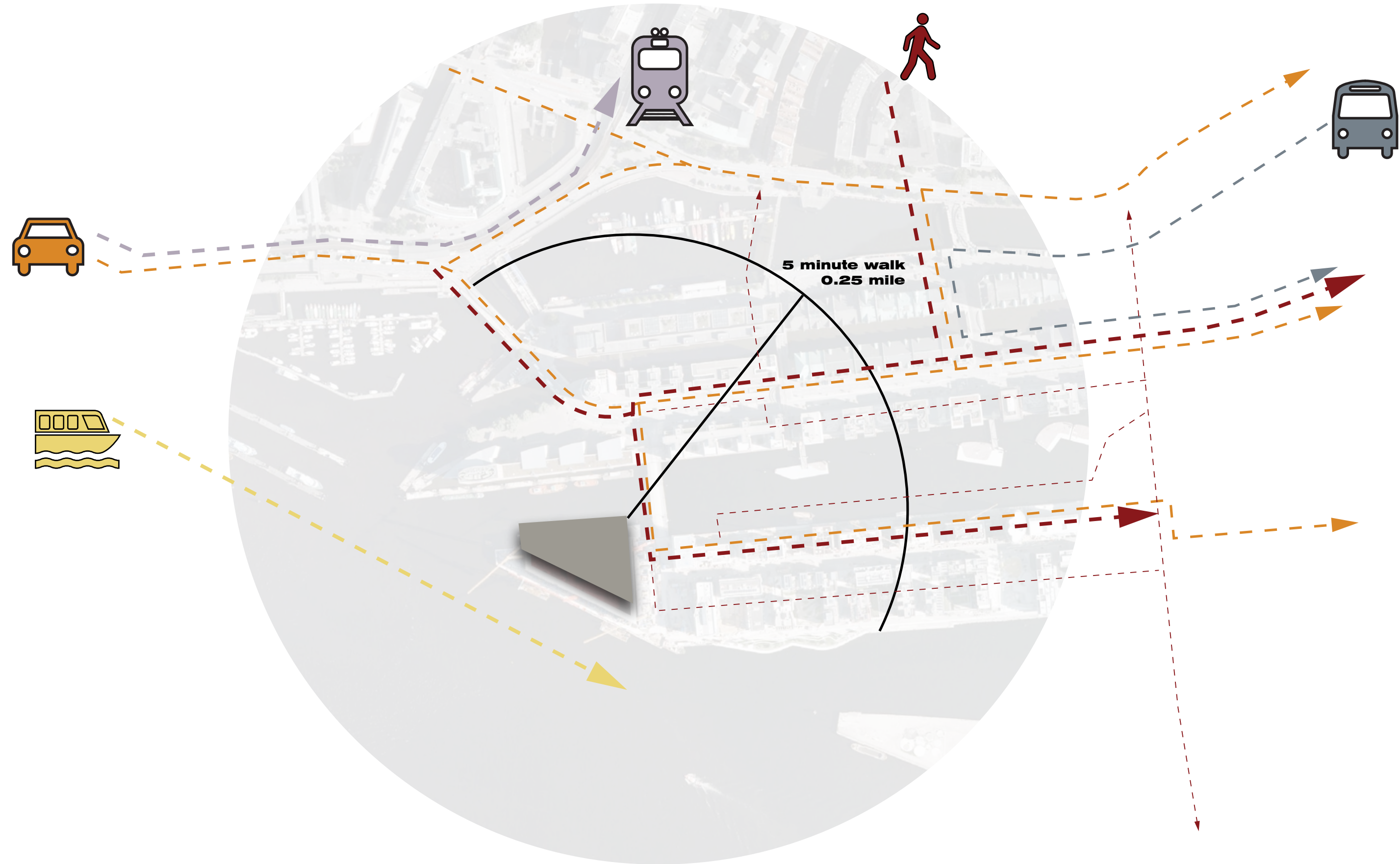
BASE AS: TOPOGRAPHIC GROUND ACTING
AS A MEDIATING DOMAIN BETWEEN: CITY
(HORIZONTAL) + CULTURAL OBJECT
(VERTICAL)



KAISERSPEICHER SERVES AS A BRICK PLINTH BENEATH A GLASS BODY THAT REACTS TO THE WATER AND THE SKY.

POLYVALENT ACCESS

MULTI-MODAL FORMS OF APPROACH



PLAZA CONDITION CONTRIBUTIONS TO URBAN FABRIC

THREADING PUBLIC PLAZAS INCREASES FOOT TRAFFIC AT NEW DEVELOPMENT

