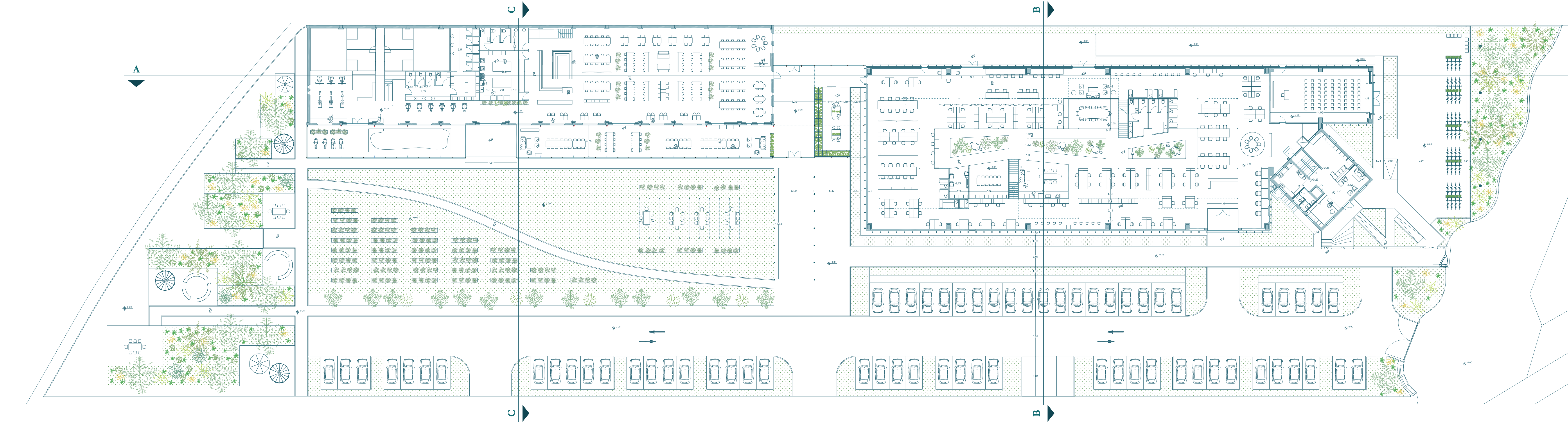
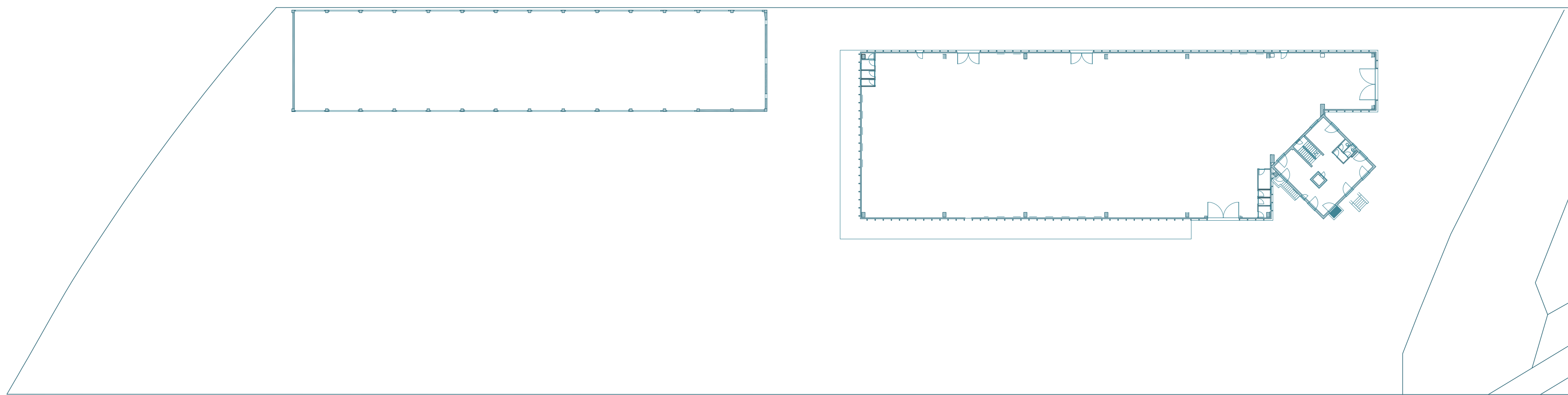


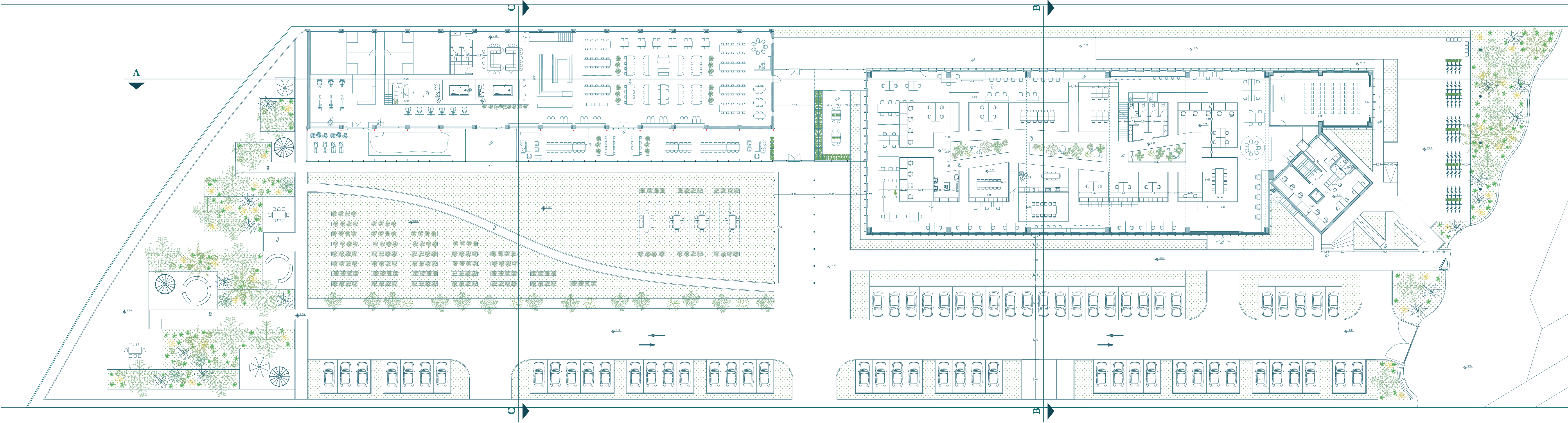
Current Situation
Ground Floor
Scale 1/500



Intervention
Ground Floor
Scale 1/200

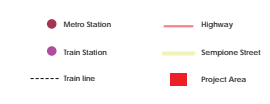


Current Situation
First Floor
Scale 1/500

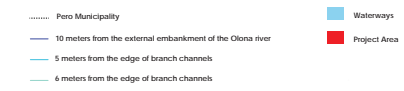
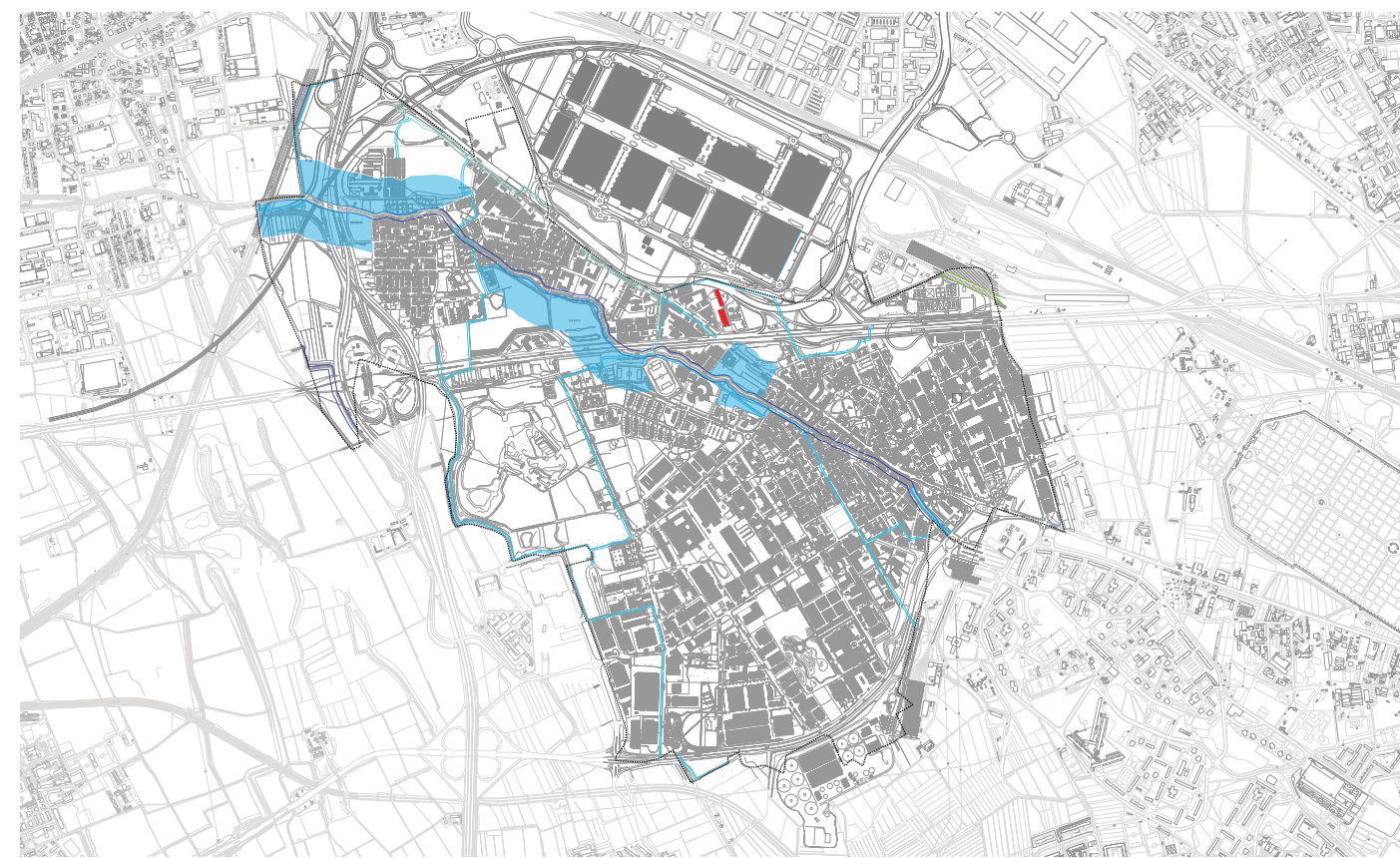


Intervention
First Floor
Scale 1/200

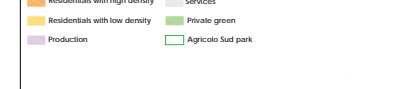
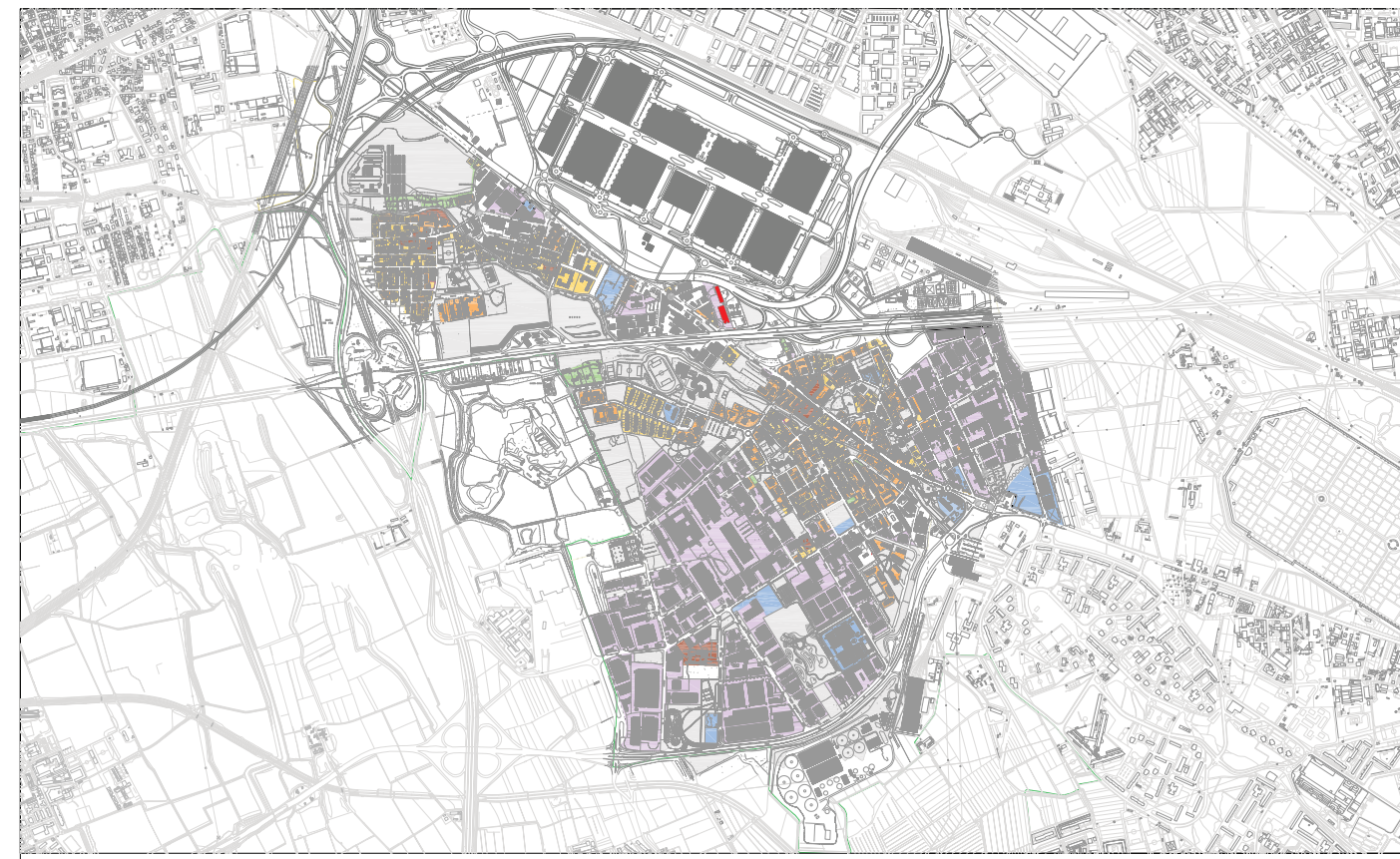
SITE ANALYSIS CONNECTIONS



SITE ANALYSIS WATER CONSTRAINTS



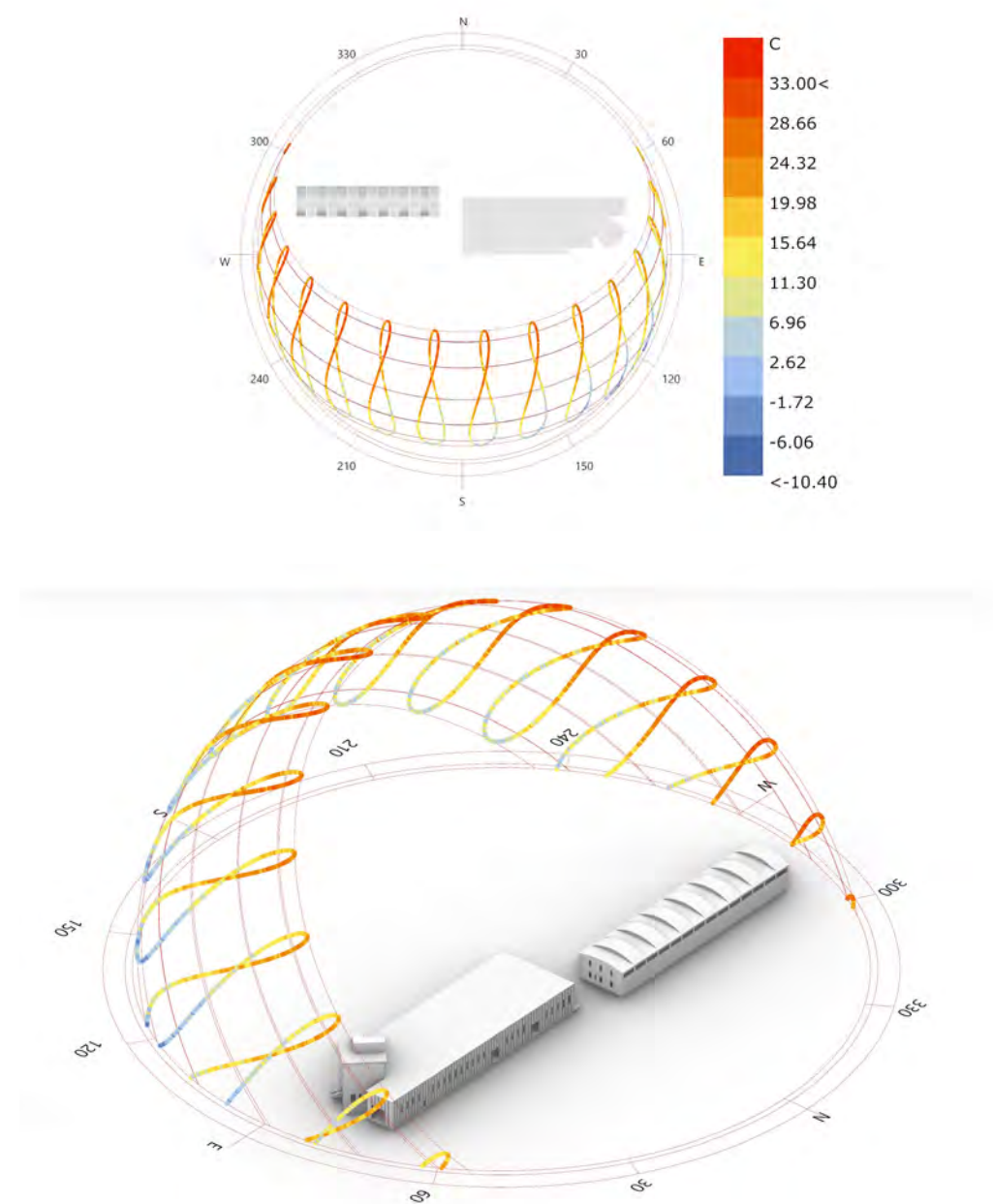
SITE ANALYSIS FUNCTIONS



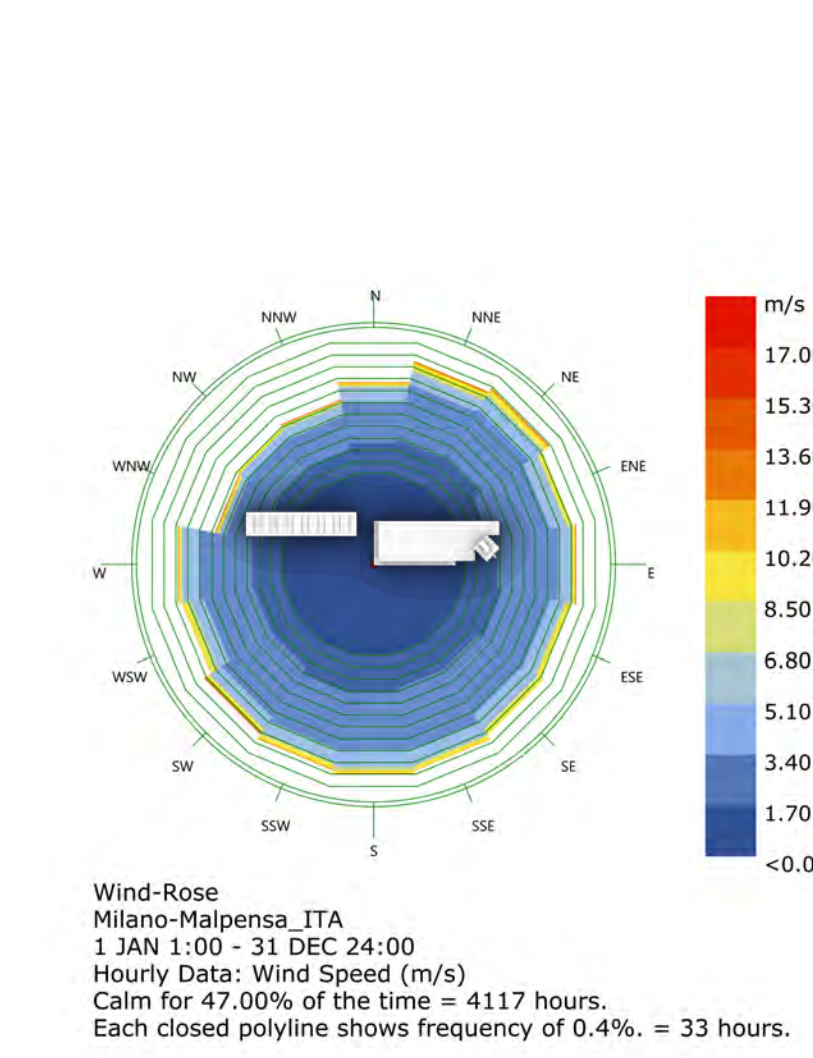
SITE ANALYSIS GROUND AND FIGURE



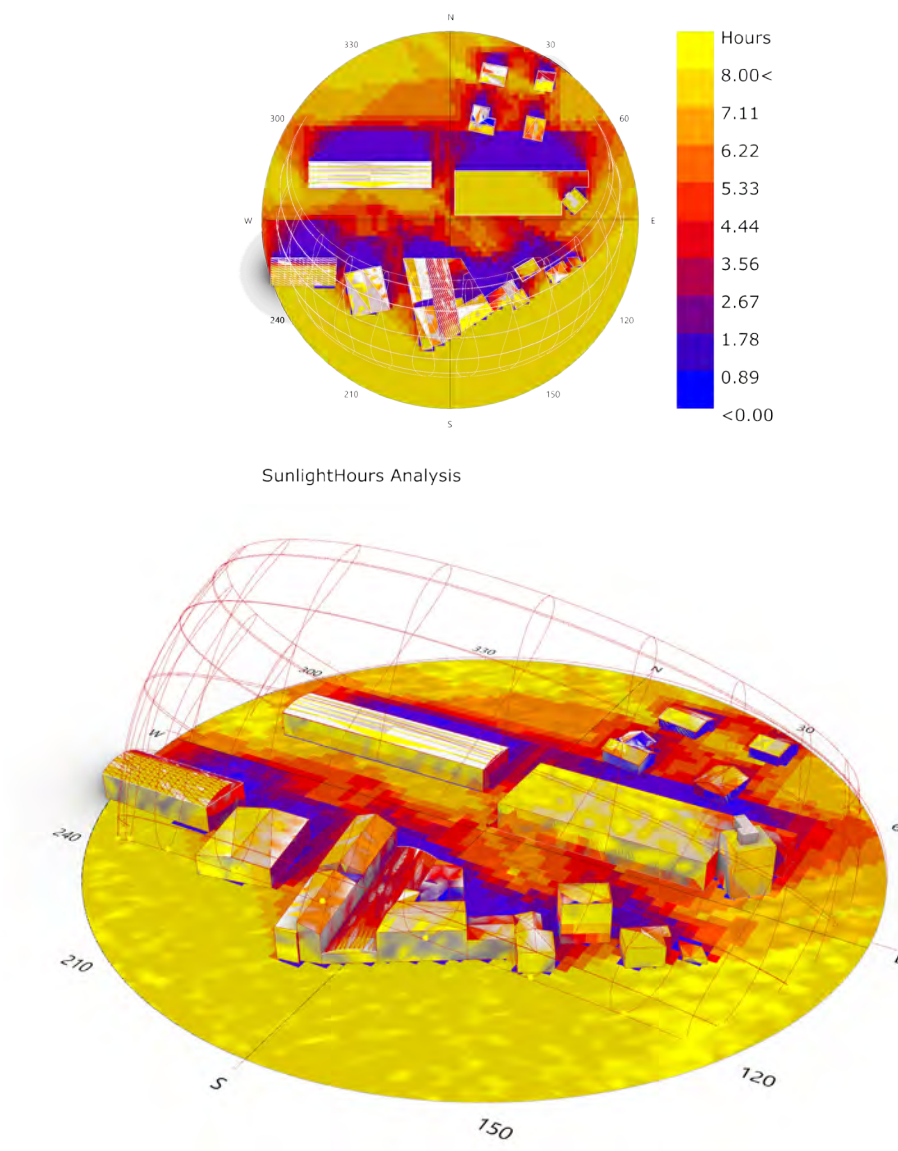
SUNPATH ANALYSIS



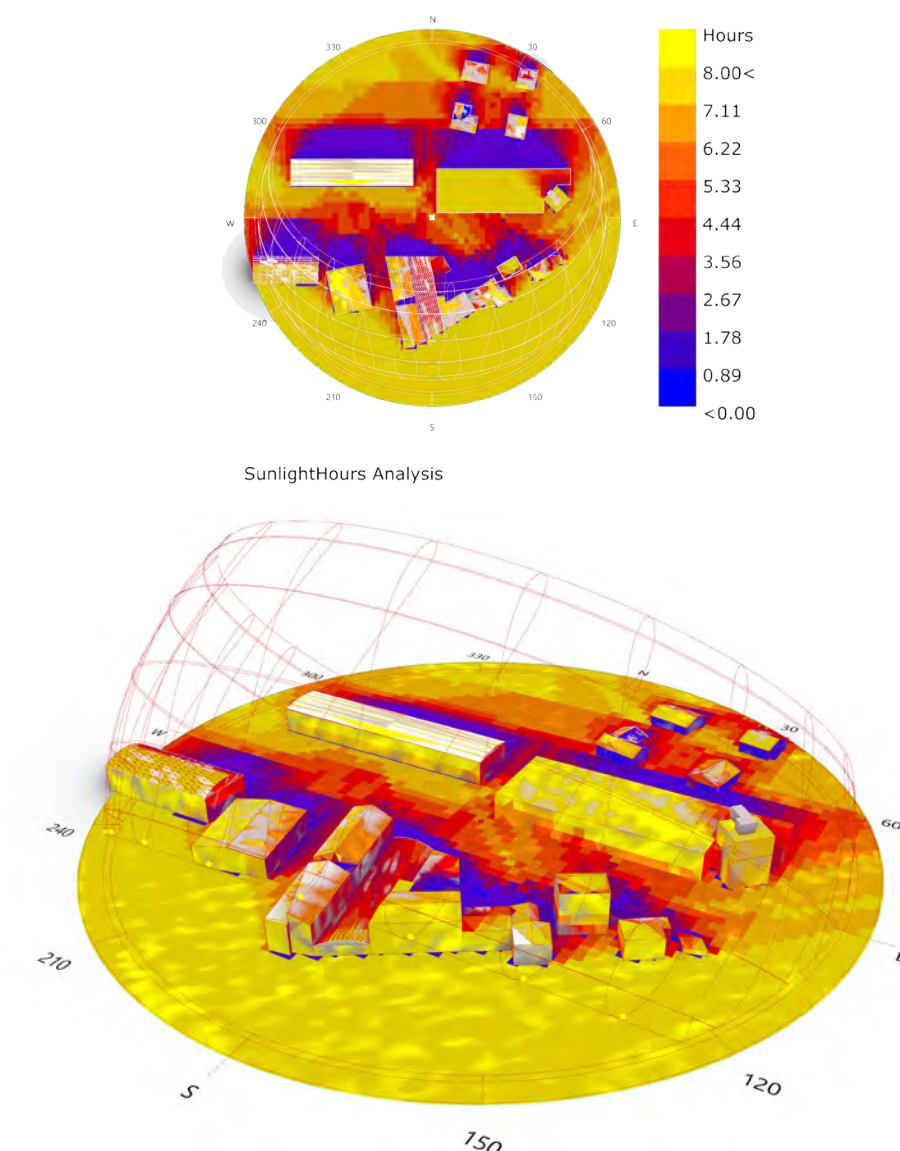
WIND ANALYSIS



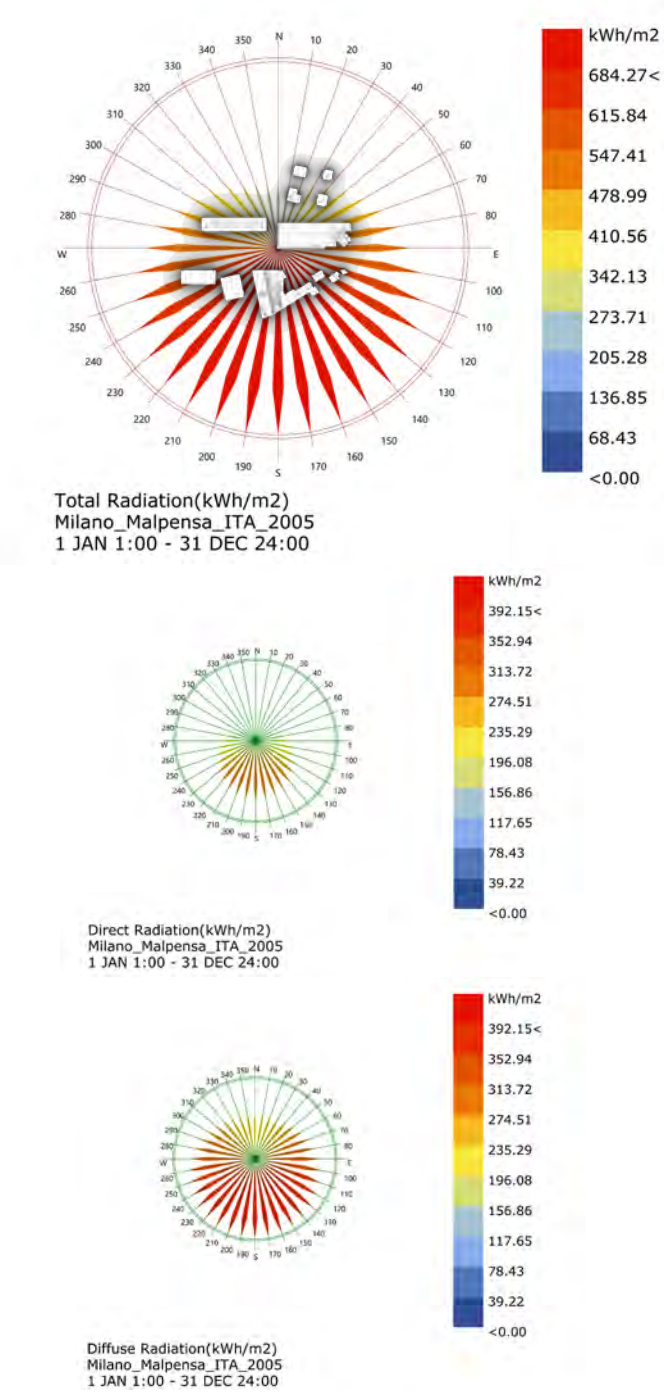
SHADOW ANALYSIS



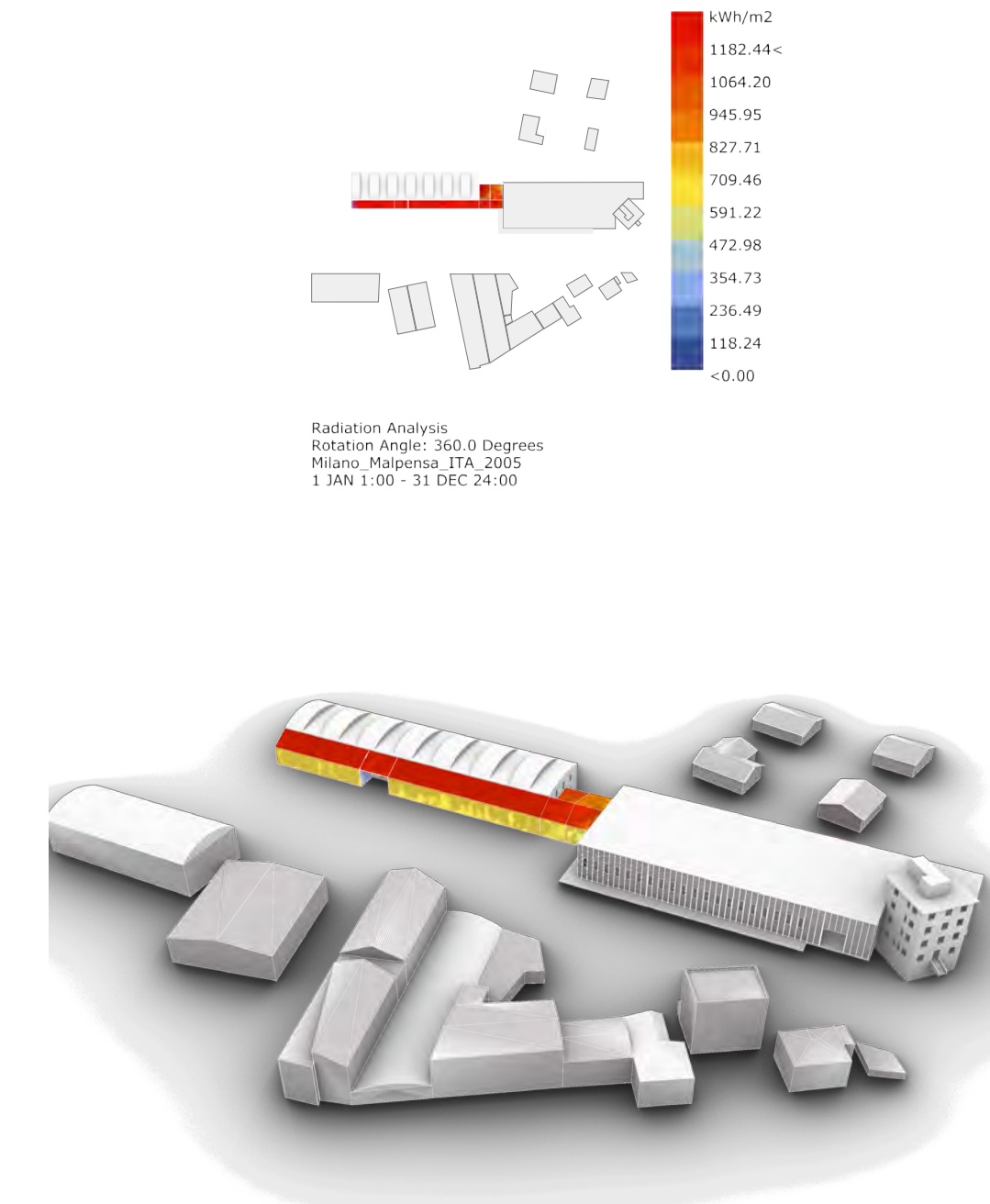
SHADOW ANALYSIS



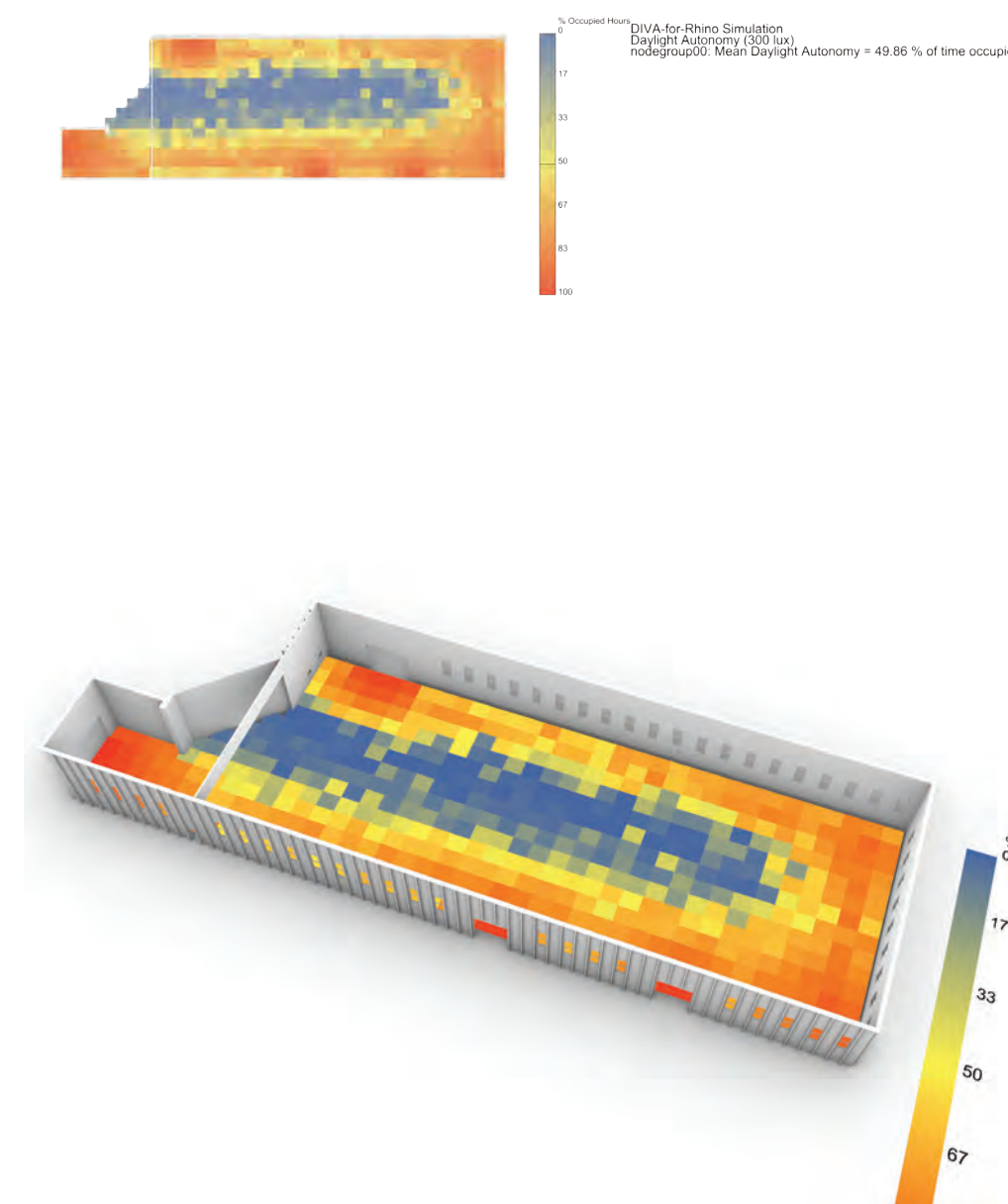
RADIATION ANALYSIS



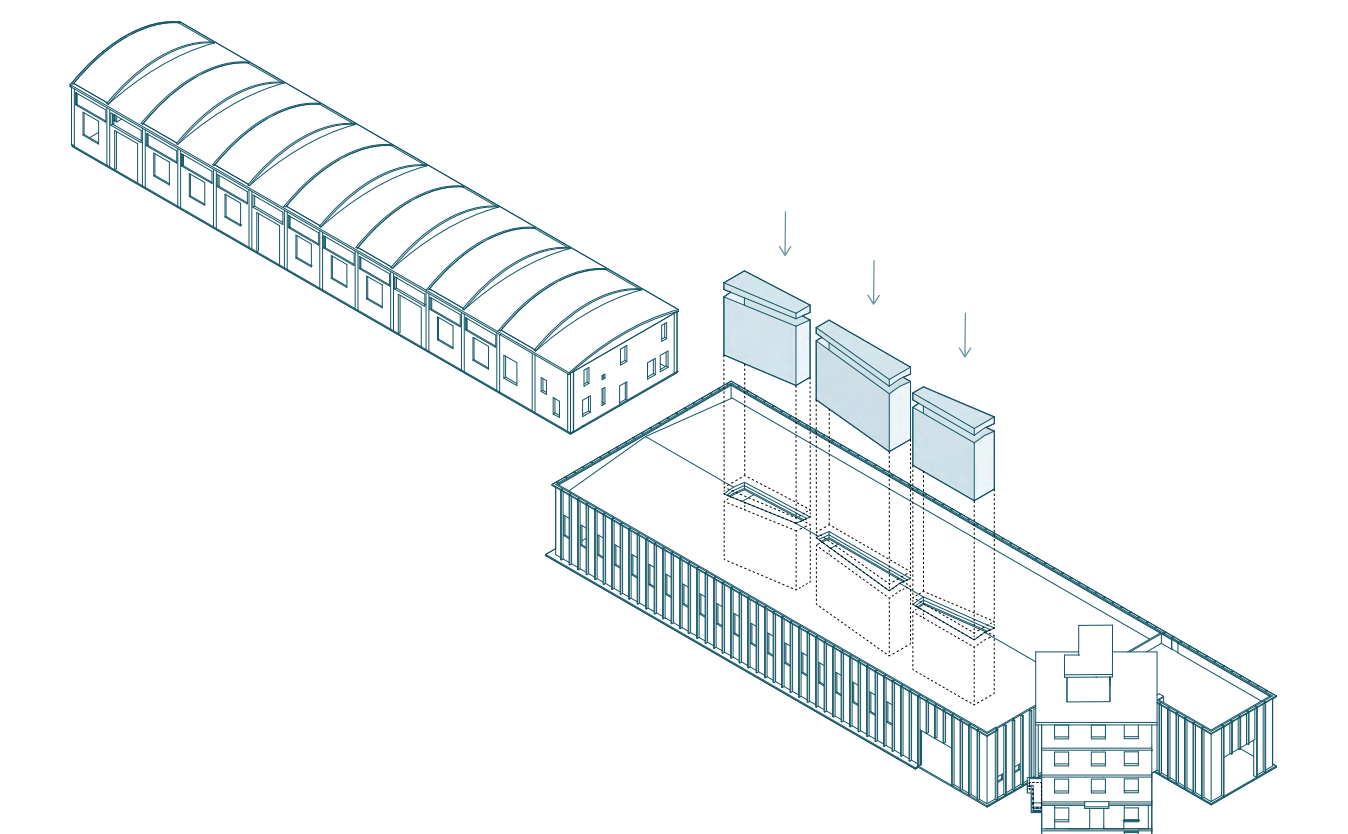
FORMAL ANALYSIS IN RESPONSE TO HIGHEST RADIATION



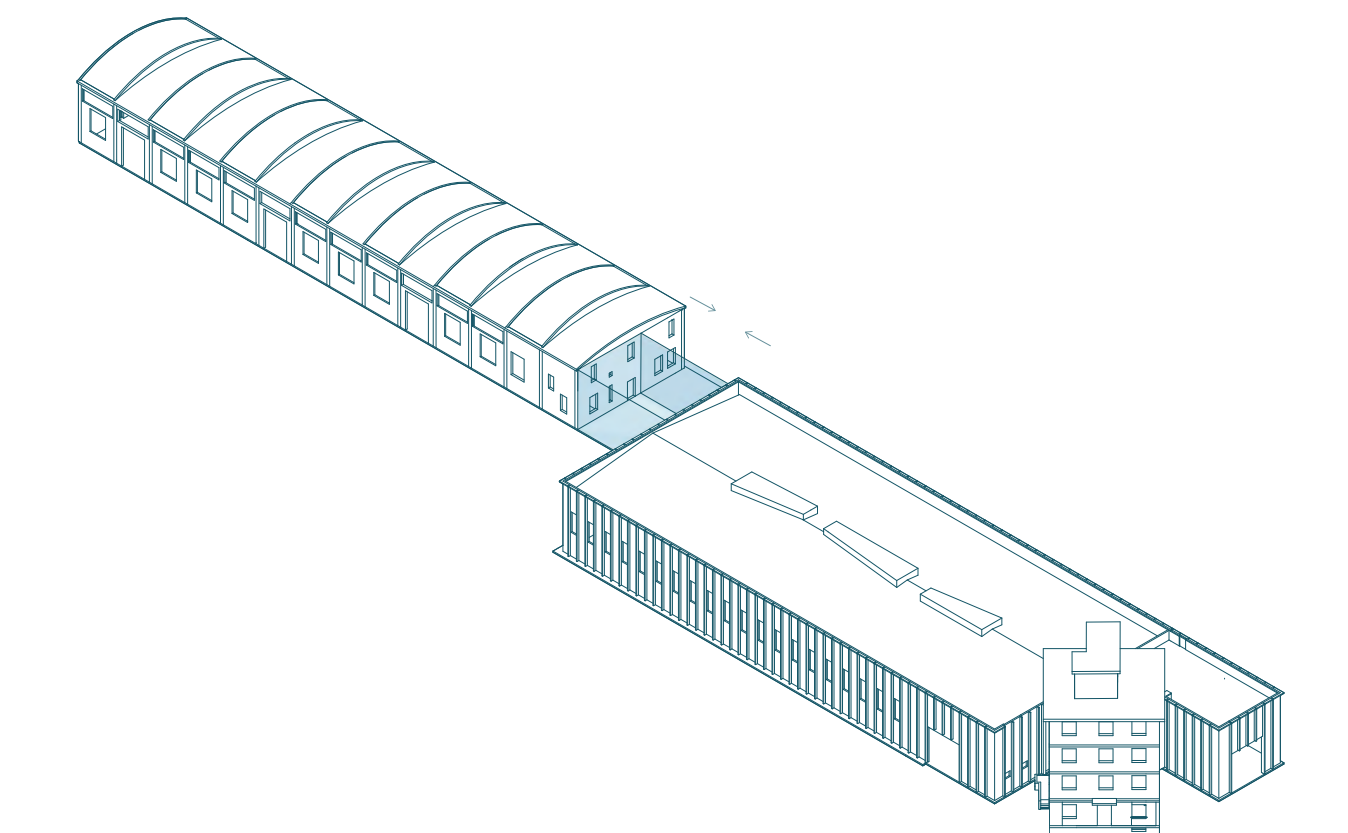
DAYLIGHTING ANALYSIS



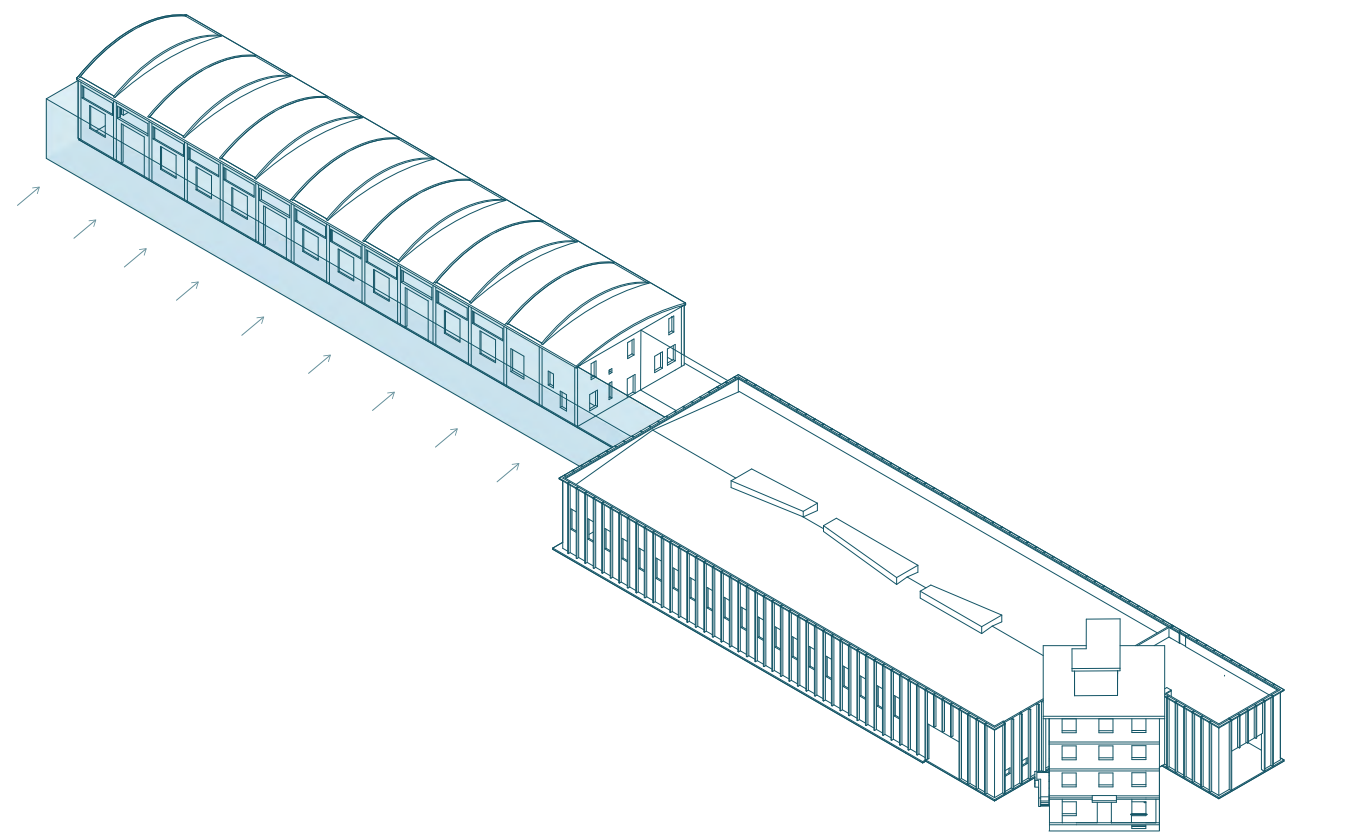
INSERTING GREENHOUSES AND SKYLIGHT



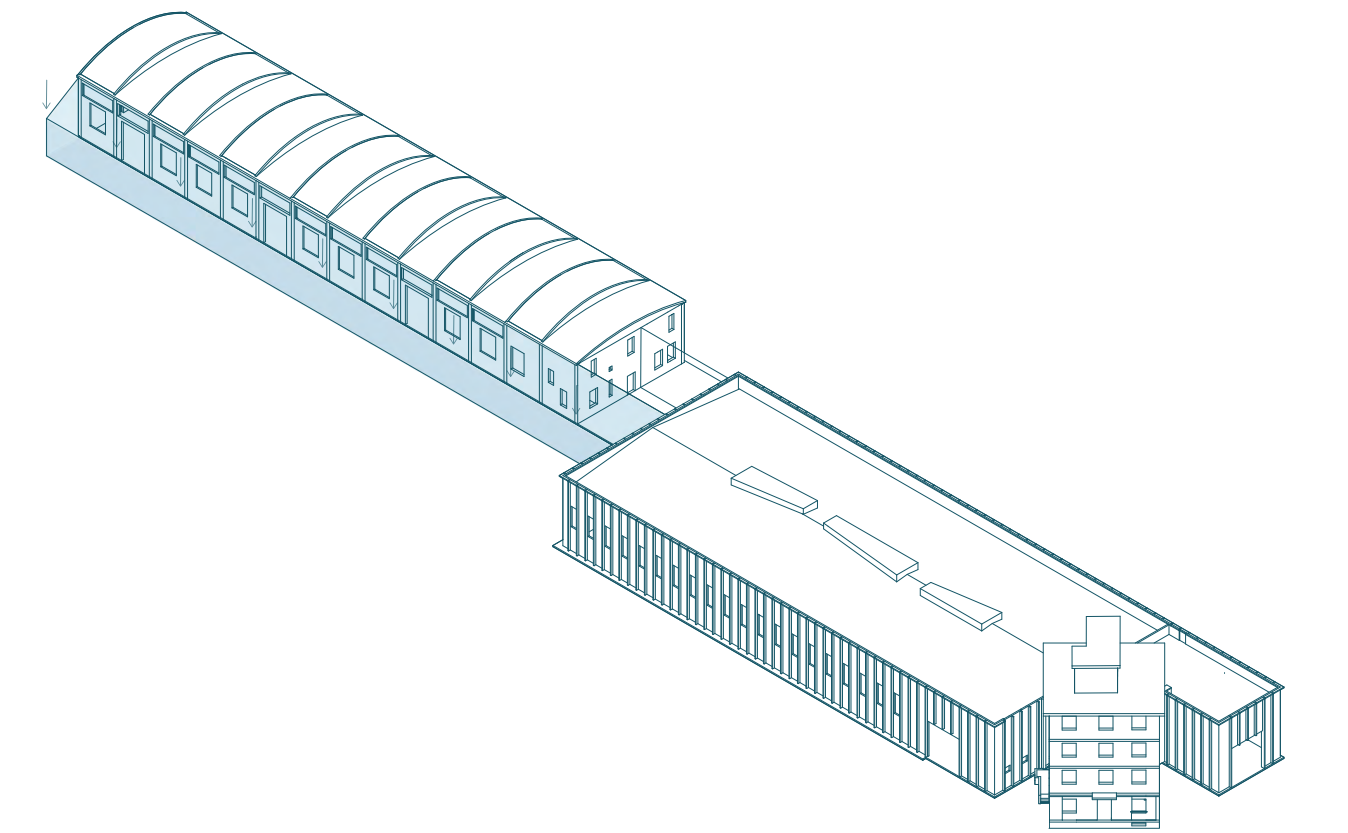
CONNECTION BETWEEN TWO VOLUMES



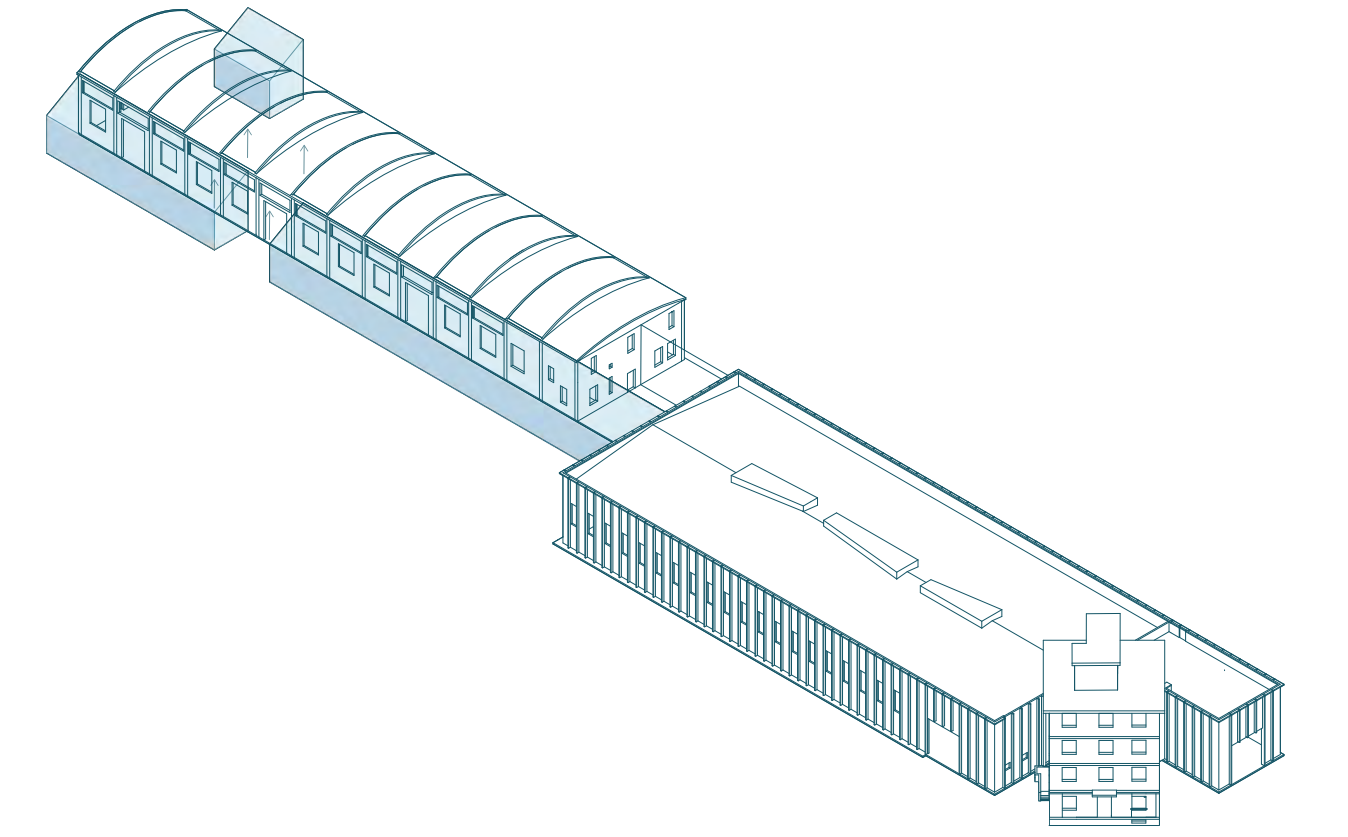
CREATING BUFFER ZONE INTERMEDIATE SPACE



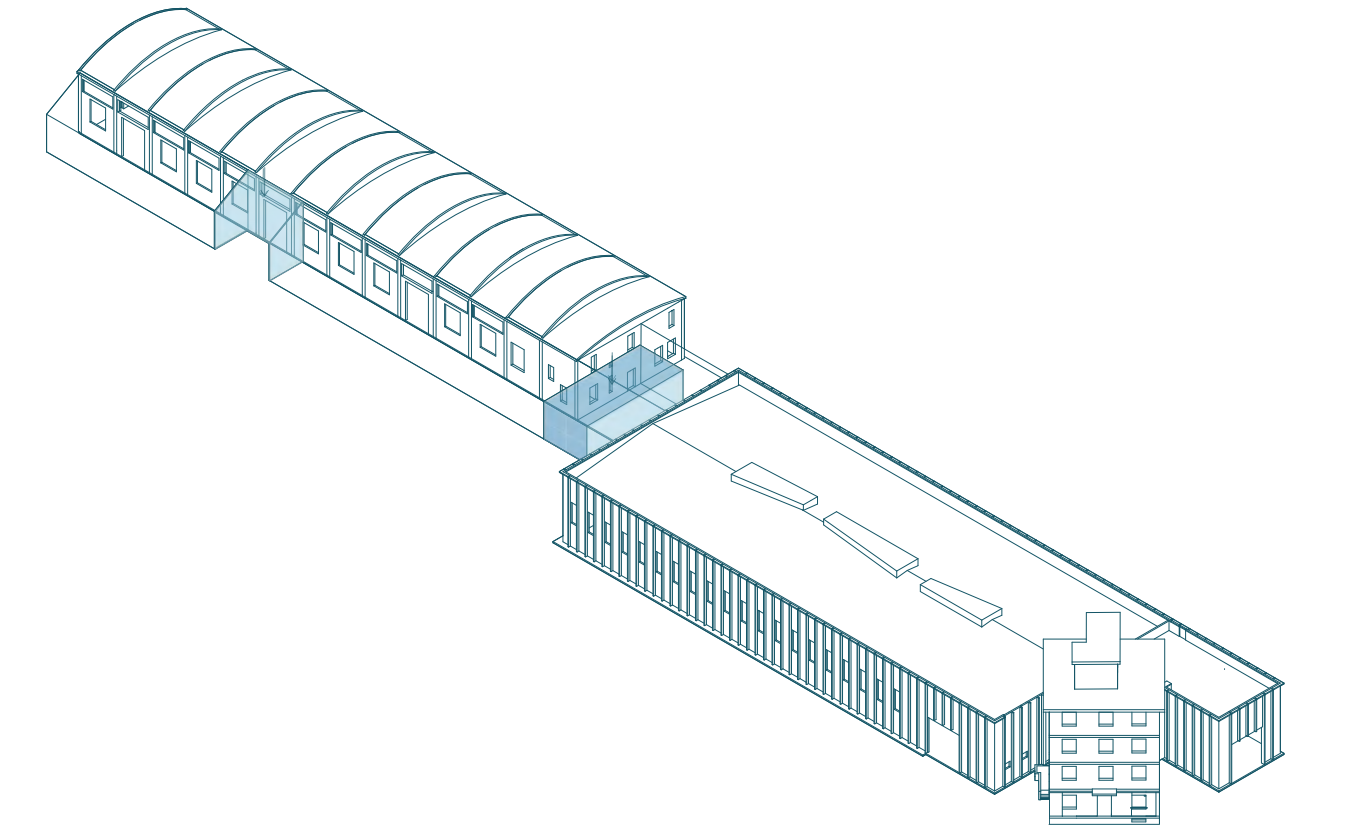
SHAPING IN RESPONSE TO HIGHEST RADIATION



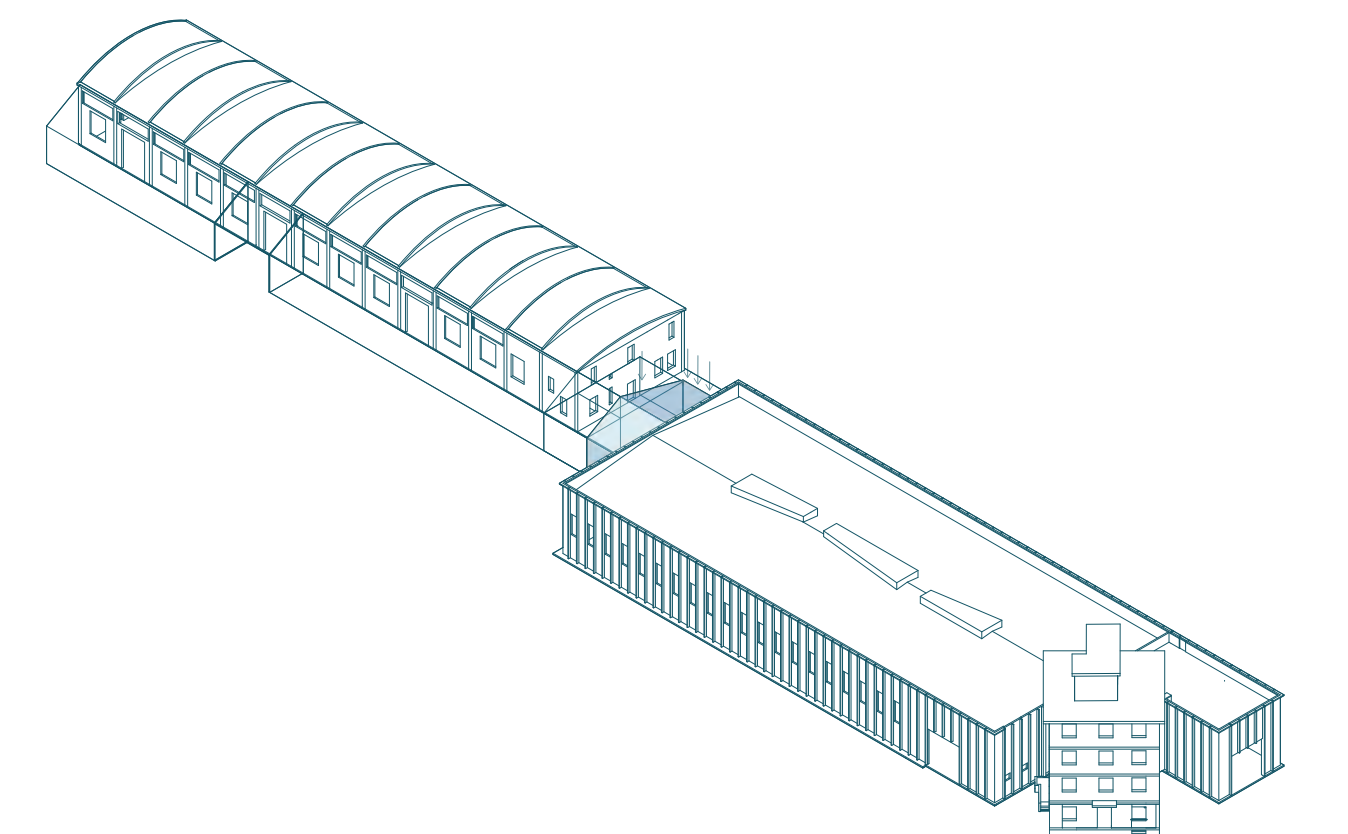
BREAKING THE BUFFER INTO TWO ZONES AND CREATING ENTRANCE

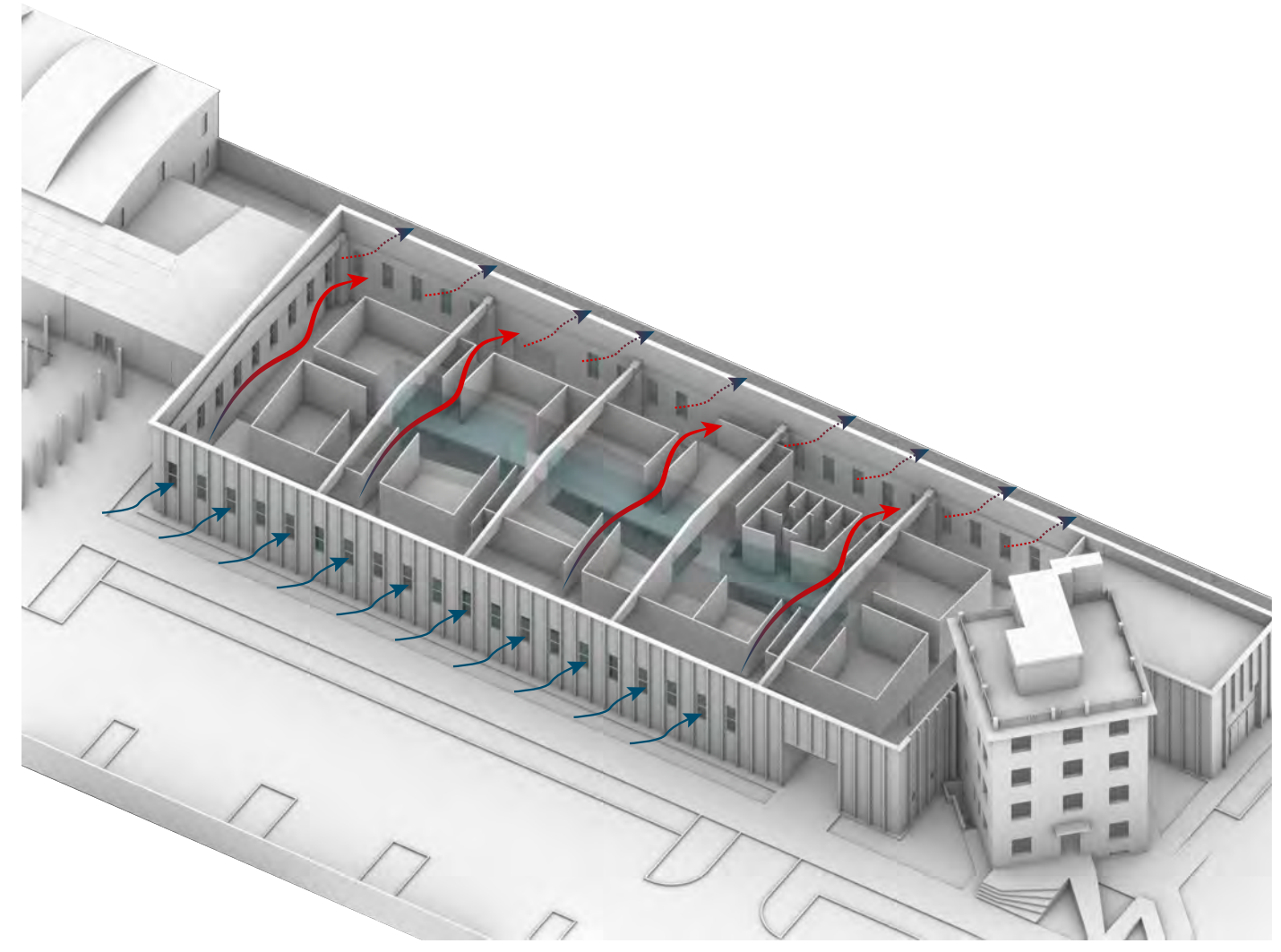


INSERTING SOLID VOLUMES INSIDE THE BUFFER ZONE

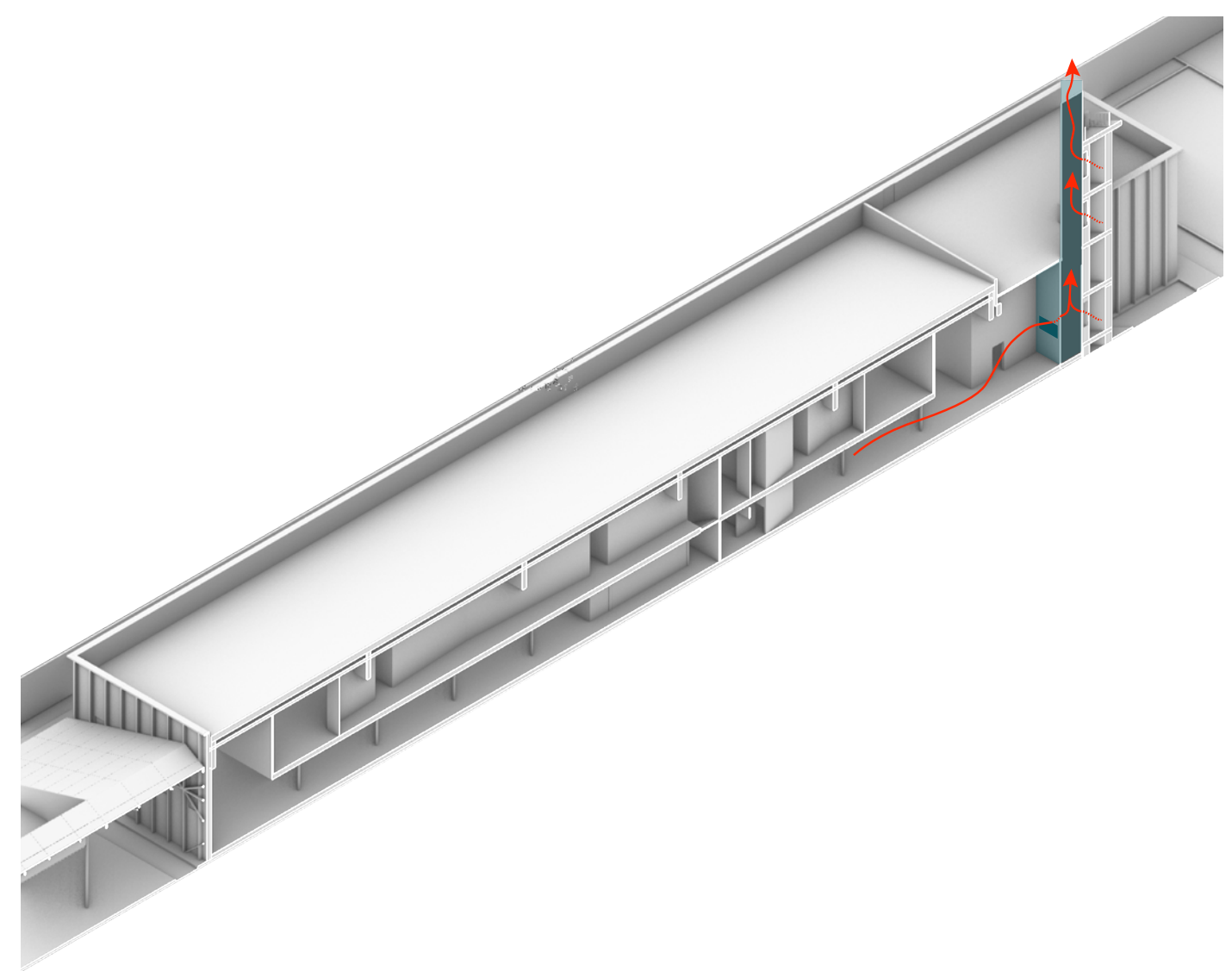


SHAPING VOLUME





CROSS VENTILATION

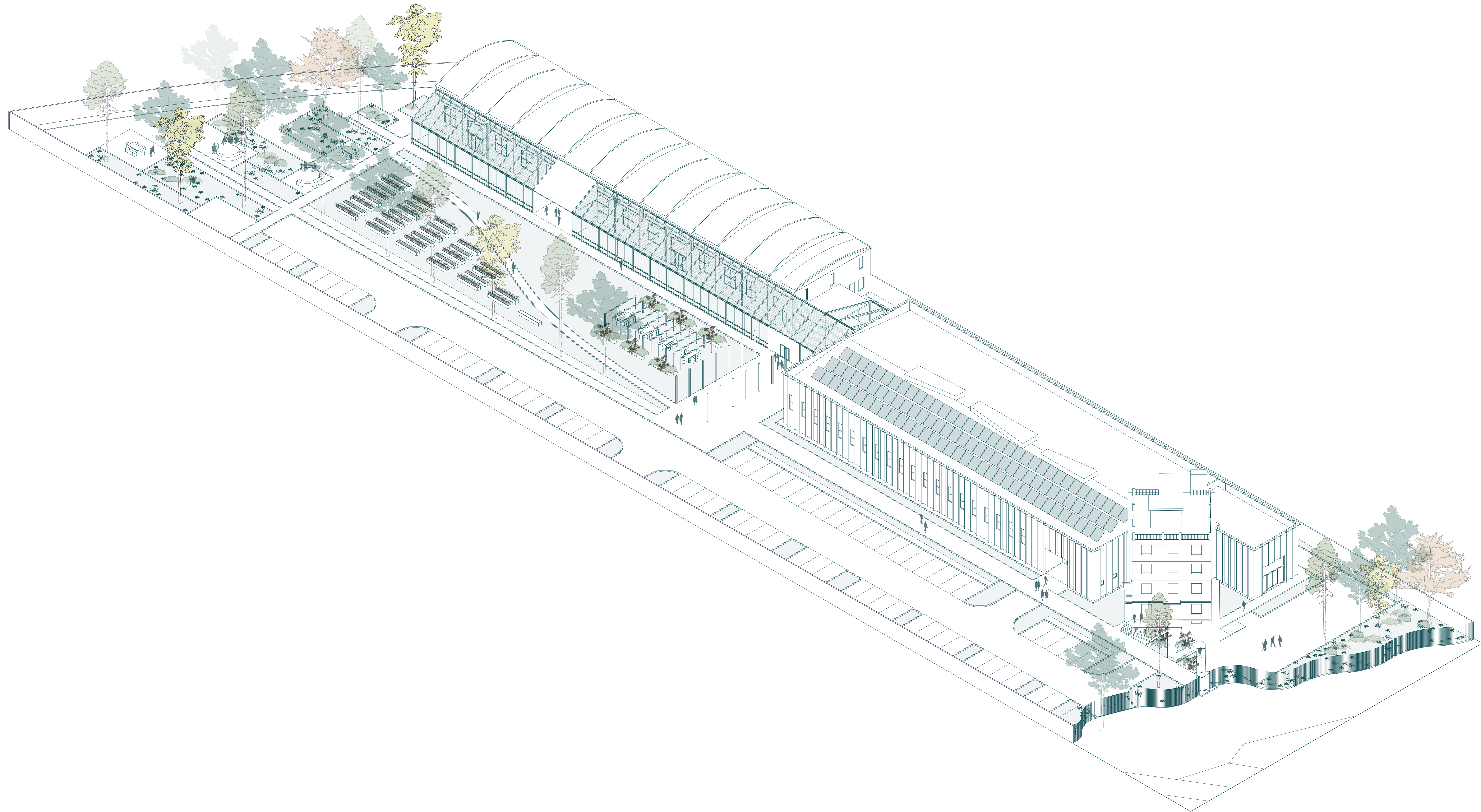


SOLAR VENT

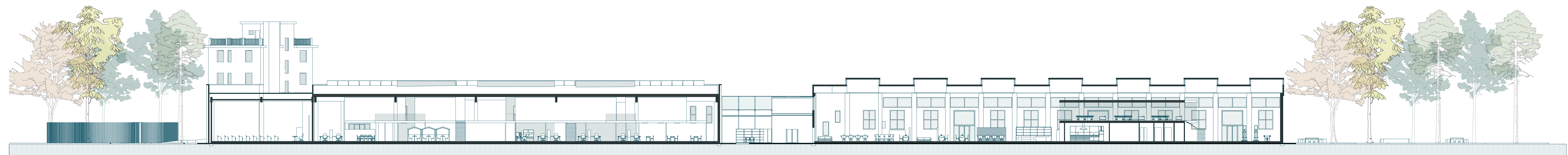
North Elevation
SCALE: 1/150

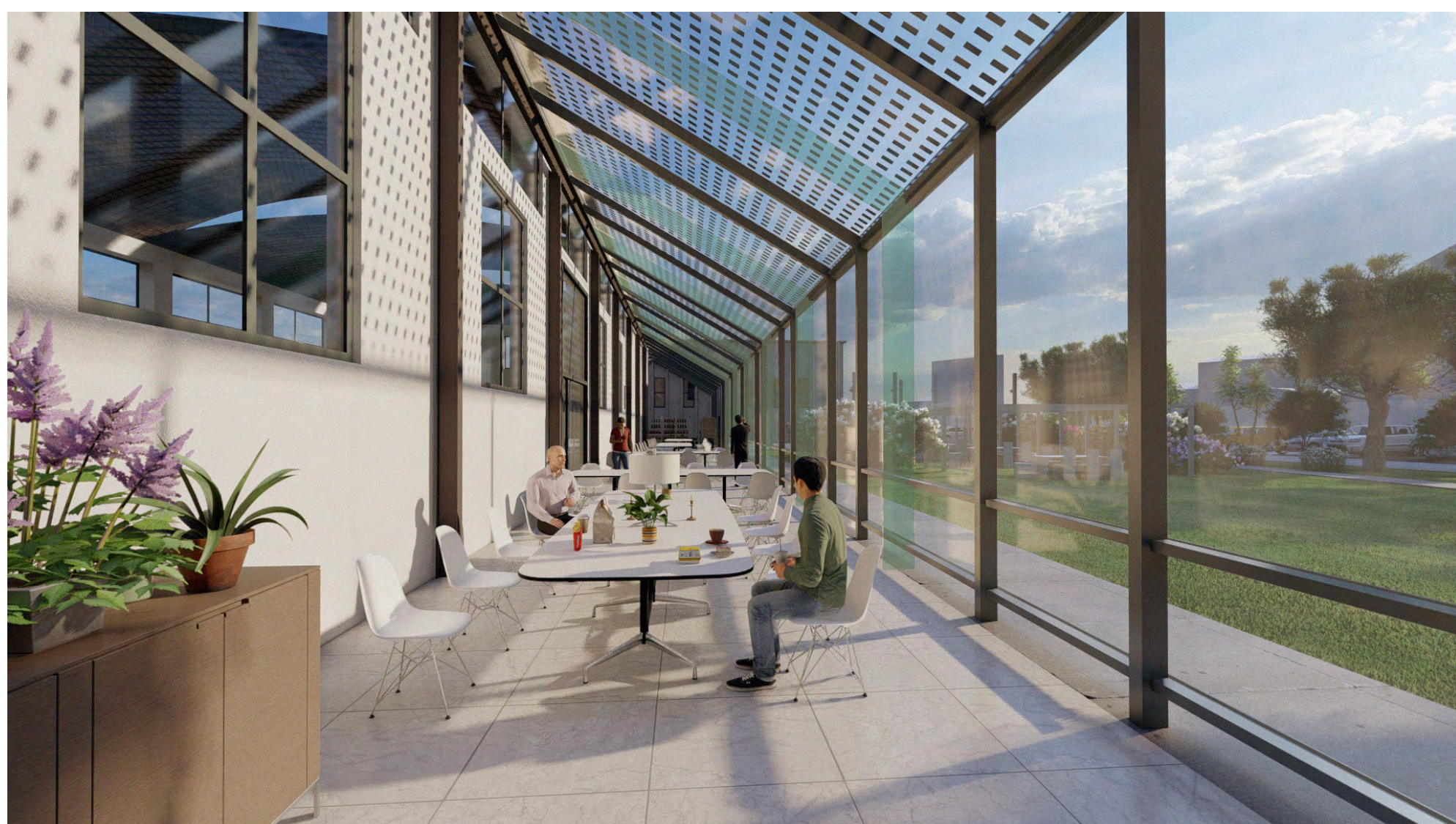


South Elevation
SCALE: 1/150

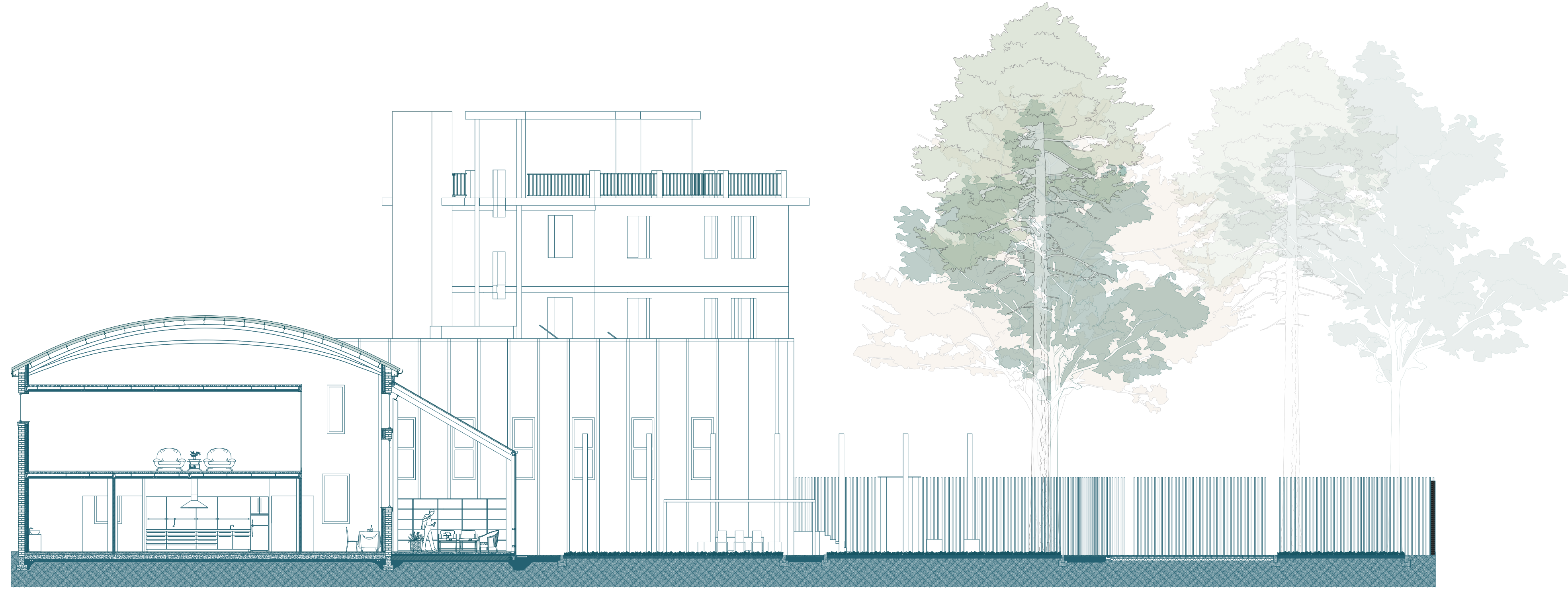


SECTION A-A
SCALE: 1/100

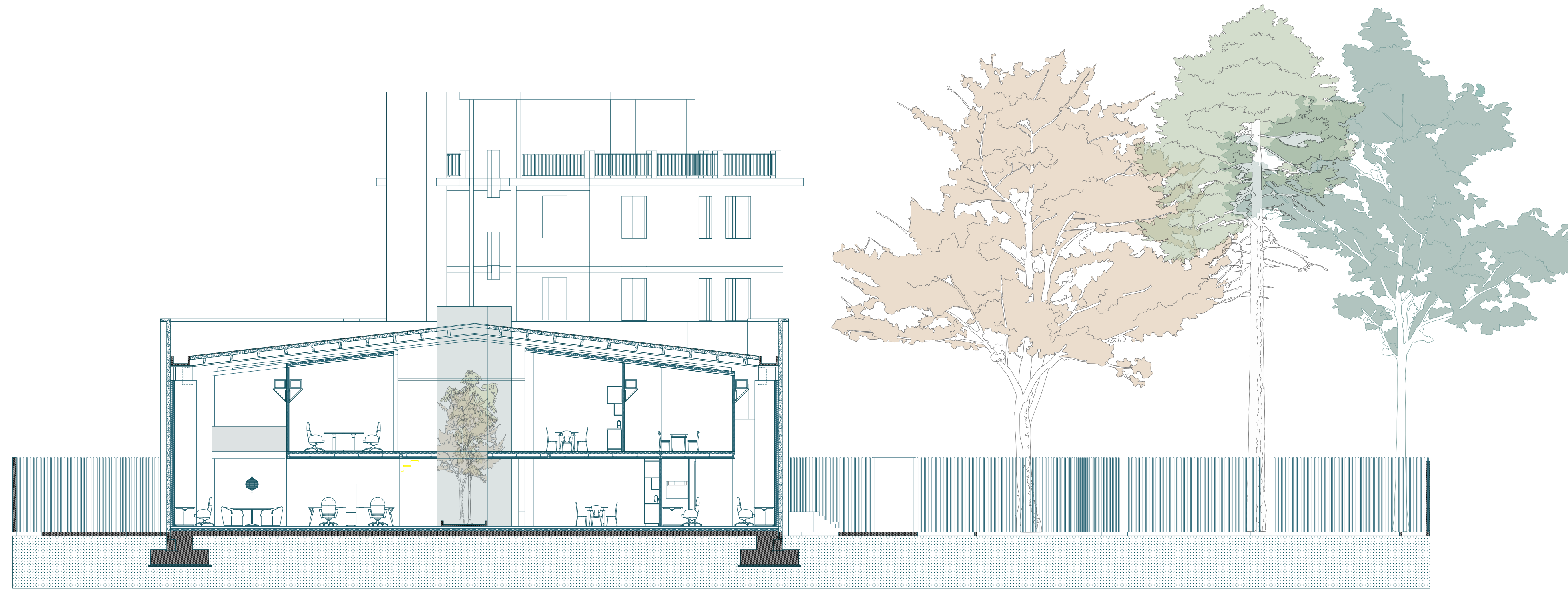




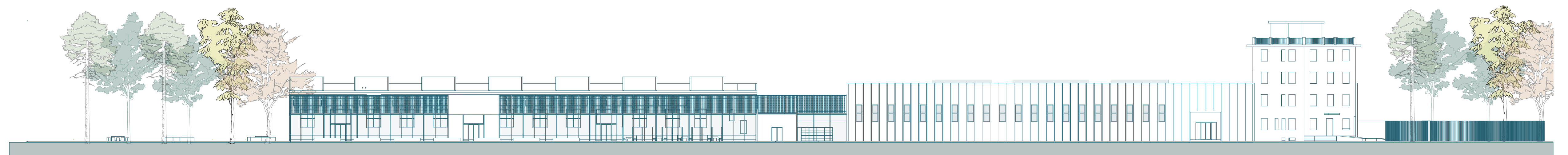
SECTION C-C
SCALE: 1/50



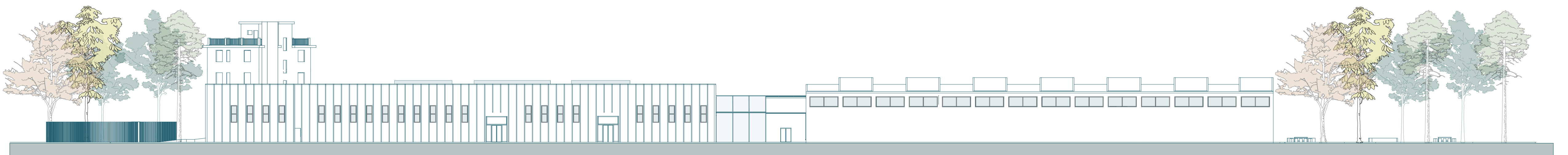
SECTION B-B
SCALE: 1/50



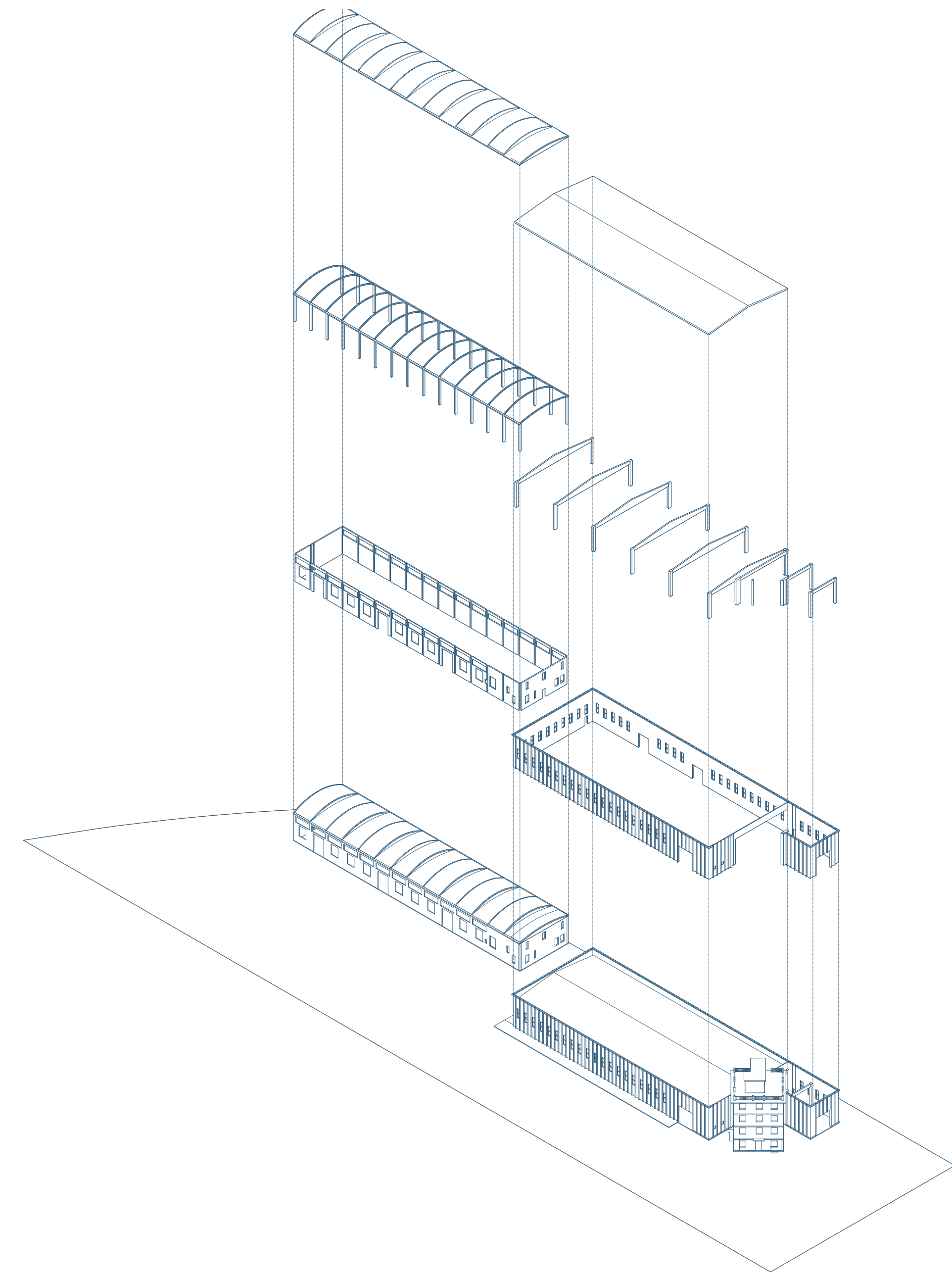
West Elevation
SCALE: 1/150



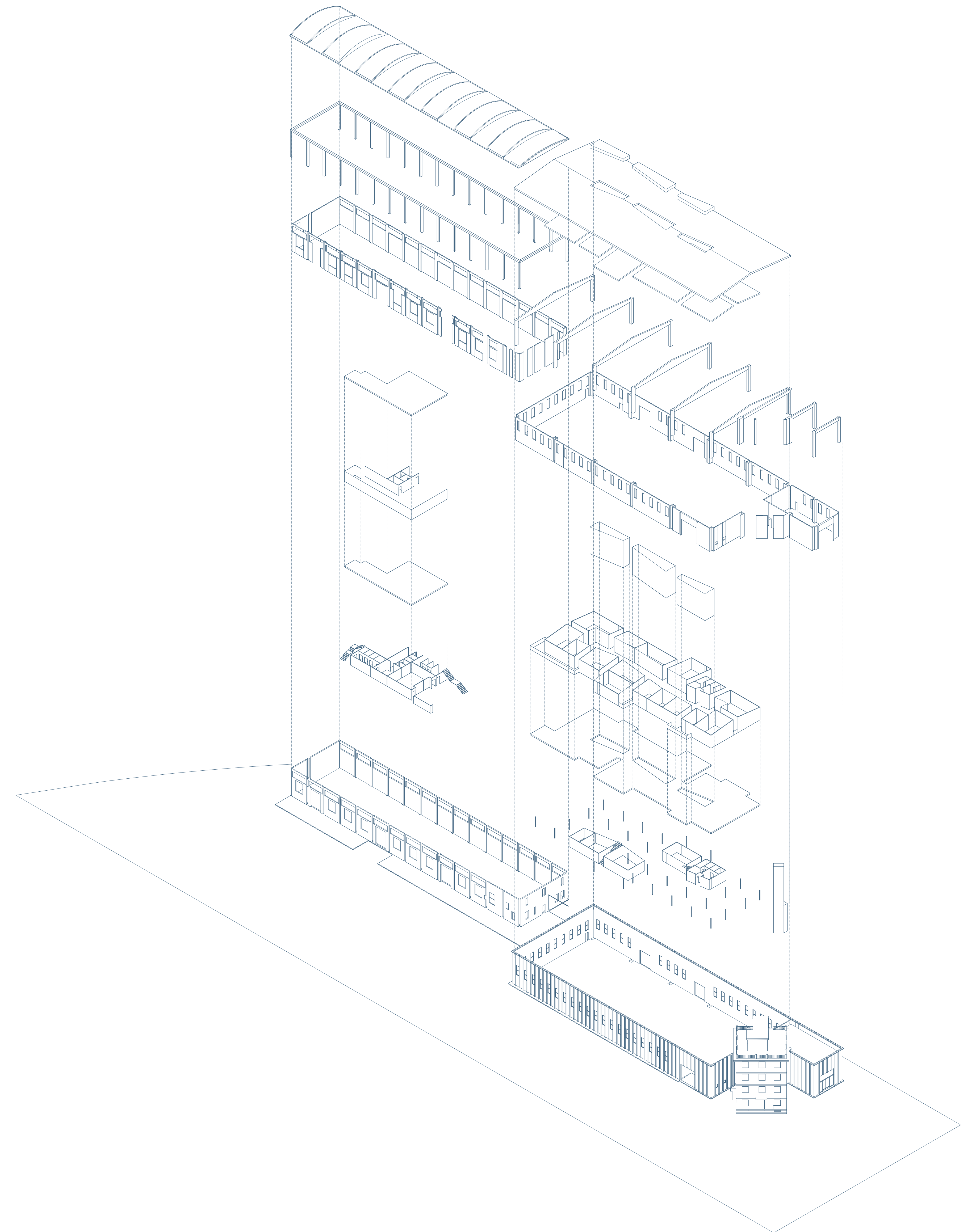
East Elevation
SCALE: 1/150



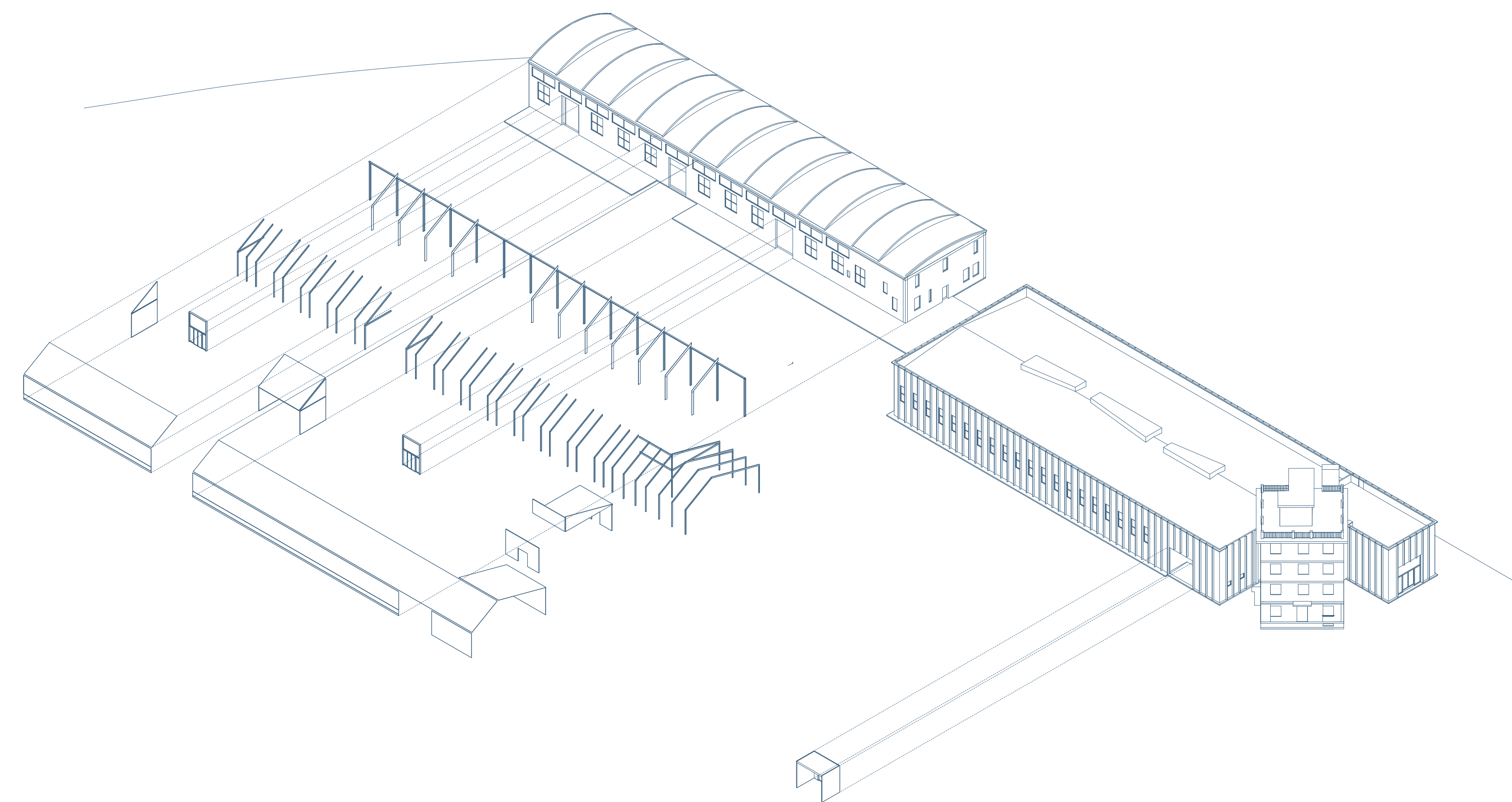
EXPLODED AXONOMETRIC - BEFORE INTERVENTION

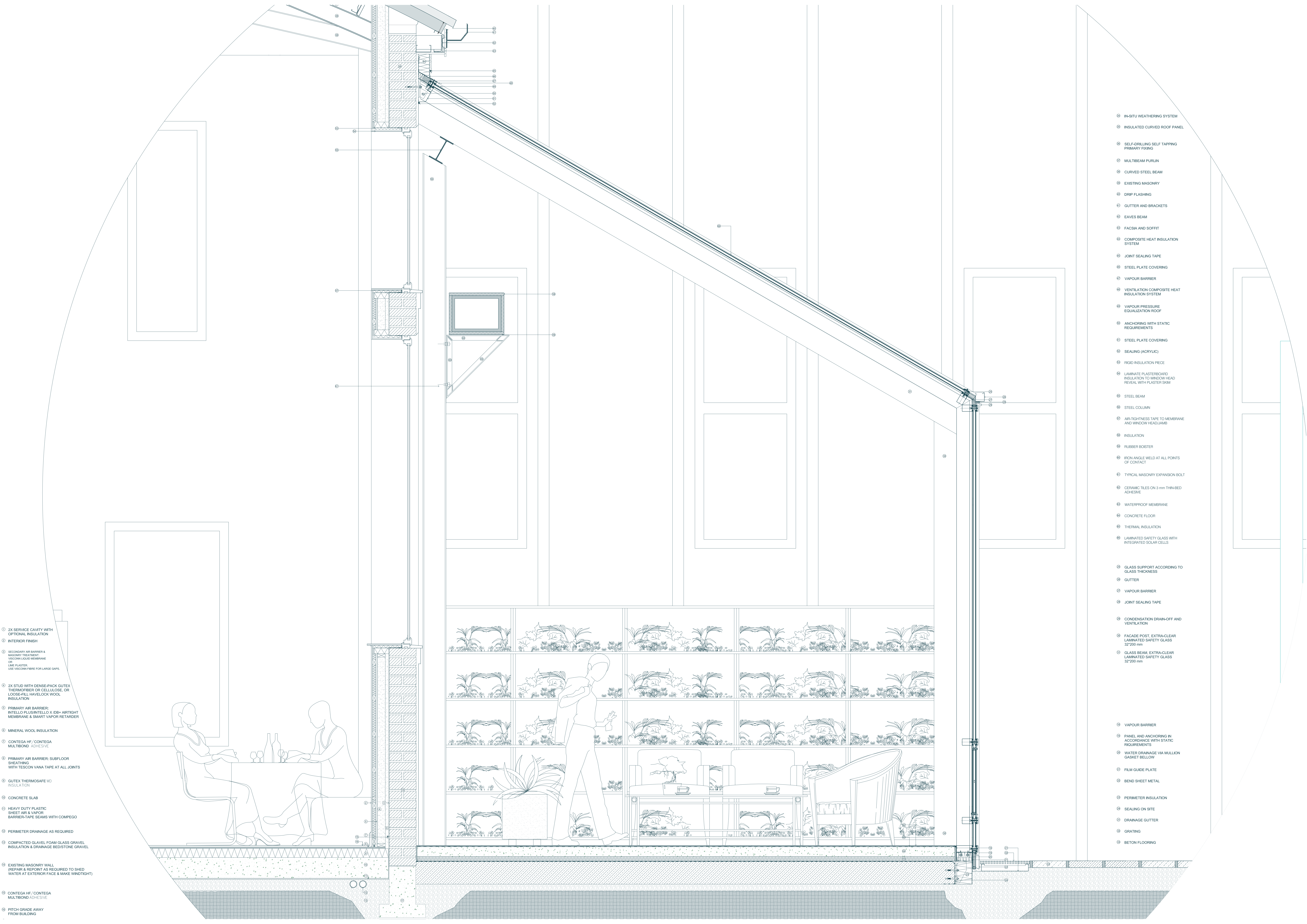


EXPLODED AXONOMETRIC



EXPLODED AXONOMETRIC





- ① 2X SERVICE CAVITY WITH OPTIONAL INSULATION
- ② INTERIOR FINISH
- ③ SECONDARY AIR BARRIER & MASONRY TREATMENT: VISCOUS LIQUID MEMBRANE OR LIQUID PLASTER. USE VISCOUS FIBRE FOR LARGE GAPS.
- ④ 2X STUD WITH DENSE-PACK GUTEX THERMOFIBER OR CELLULOSE, OR LOOSE-FILL HAVELOCK WOOL INSULATION
- ⑤ PRIMARY AIR BARRIER: INTELLIO PLUS/INTELLIO X-DB+ AIR-TIGHT MEMBRANE & SMART VAPOR RETARDER
- ⑥ MINERAL WOOL INSULATION
- ⑦ CONTEGA HF / CONTEGA MULTIBOND ADHESIVE
- ⑧ PRIMARY AIR BARRIER: SUBFLOOR SHEATHING WITH TESCON VANA TAPE AT ALL JOINTS
- ⑨ GUTEX THERMO SAFE W/ INSULATION
- ⑩ CONCRETE SLAB
- ⑪ HEAVY DUTY PLASTIC SHEET AIR & VAPOR BARRIER TAPE SEAMS WITH COMPEGO
- ⑫ PERIMETER DRAINAGE AS REQUIRED
- ⑬ COMPACTED GRAVEL FOAM GLASS GRAVEL INSULATION & DRAINAGE BEDSTONE GRAVEL
- ⑭ EXISTING MASONRY WALL. REPAIR & REPOINT AS REQUIRED TO SHED WATER AT EXTERIOR FACE & MAKE WINDTIGHT
- ⑮ CONTEGA HF / CONTEGA MULTIBOND ADHESIVE
- ⑯ PITCH GRADE AWAY FROM BUILDING

- ⑳ IN-SITU WEATHERING SYSTEM
- ㉑ INSULATED CURVED ROOF PANEL
- ㉒ SELF-DRILLING SELF TAPPING PRIMARY FIXING
- ㉓ MULTIBEAM PURLIN
- ㉔ CURVED STEEL BEAM
- ㉕ EXISTING MASONRY
- ㉖ DRIP FLASHING
- ㉗ GUTTER AND BRACKETS
- ㉘ EAVES BEAM
- ㉙ FACIA AND SOFFIT
- ㉚ COMPOSITE HEAT INSULATION SYSTEM
- ㉛ JOINT SEALING TAPE
- ㉜ STEEL PLATE COVERING
- ㉝ VAPOUR BARRIER
- ㉞ VENTILATION COMPOSITE HEAT INSULATION SYSTEM
- ㉟ VAPOUR PRESSURE EQUALIZATION ROOF
- ㊱ ANCHORING WITH STATIC REQUIREMENTS
- ㊲ STEEL PLATE COVERING
- ㊳ SEALING (ACRYLIC)
- ㊴ RIGID INSULATION PIECE
- ㊵ LAMINATE PLASTERBOARD INSULATION TO WINDOW HEAD REVEAL WITH PLASTER SKIM
- ㊶ STEEL BEAM
- ㊷ STEEL COLUMN
- ㊸ AIR-TIGHTNESS TAPE TO MEMBRANE AND WINDOW HEAD/JAMB
- ㊹ INSULATION
- ㊺ RUBBER BOOSTER
- ㊻ IRON ANGLE WELDED AT ALL POINTS OF CONTACT
- ㊼ TYPICAL MASONRY EXPANSION BOLT
- ㊽ CERAMIC TILES ON 3 mm THIN-BED ADHESIVE
- ㊾ WATERPROOF MEMBRANE
- ㊿ CONCRETE FLOOR
- ① THERMAL INSULATION
- ② LAMINATED SAFETY GLASS WITH INTEGRATED SOLAR CELLS
- ③ GLASS SUPPORT ACCORDING TO GLASS THICKNESS
- ④ GUTTER
- ⑤ VAPOUR BARRIER
- ⑥ JOINT SEALING TAPE
- ⑦ CONDENSATION DRAIN-OFF AND VENTILATION
- ⑧ FACADE POST, EXTRA-CLEAR LAMINATED SAFETY GLASS 32"200 mm
- ⑨ GLASS BEAM, EXTRA-CLEAR LAMINATED SAFETY GLASS 32"200 mm
- ⑩ VAPOUR BARRIER
- ⑪ PANEL AND ANCHORING IN ACCORDANCE WITH STATIC REQUIREMENTS
- ⑫ WATER DRAINAGE VIA MULLION GASKET BELOW
- ⑬ FILM GUIDE PLATE
- ⑭ BEND SHEET METAL
- ⑮ PERIMETER INSULATION
- ⑯ SEALING ON SITE
- ⑰ DRAINAGE GUTTER
- ⑱ GRATING
- ⑲ BETON FLOORING