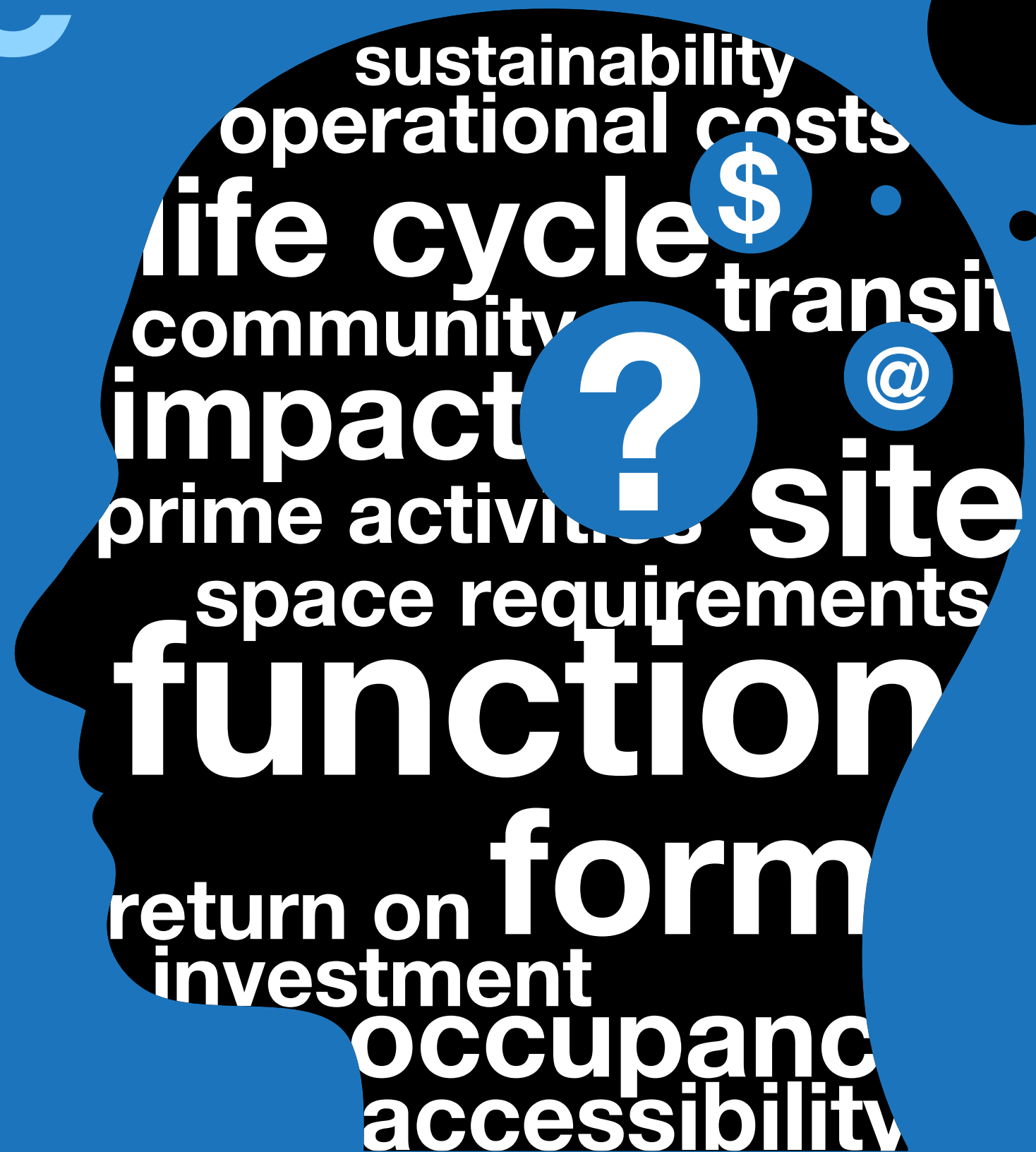


What Architects Do.



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Planning+Design Phase

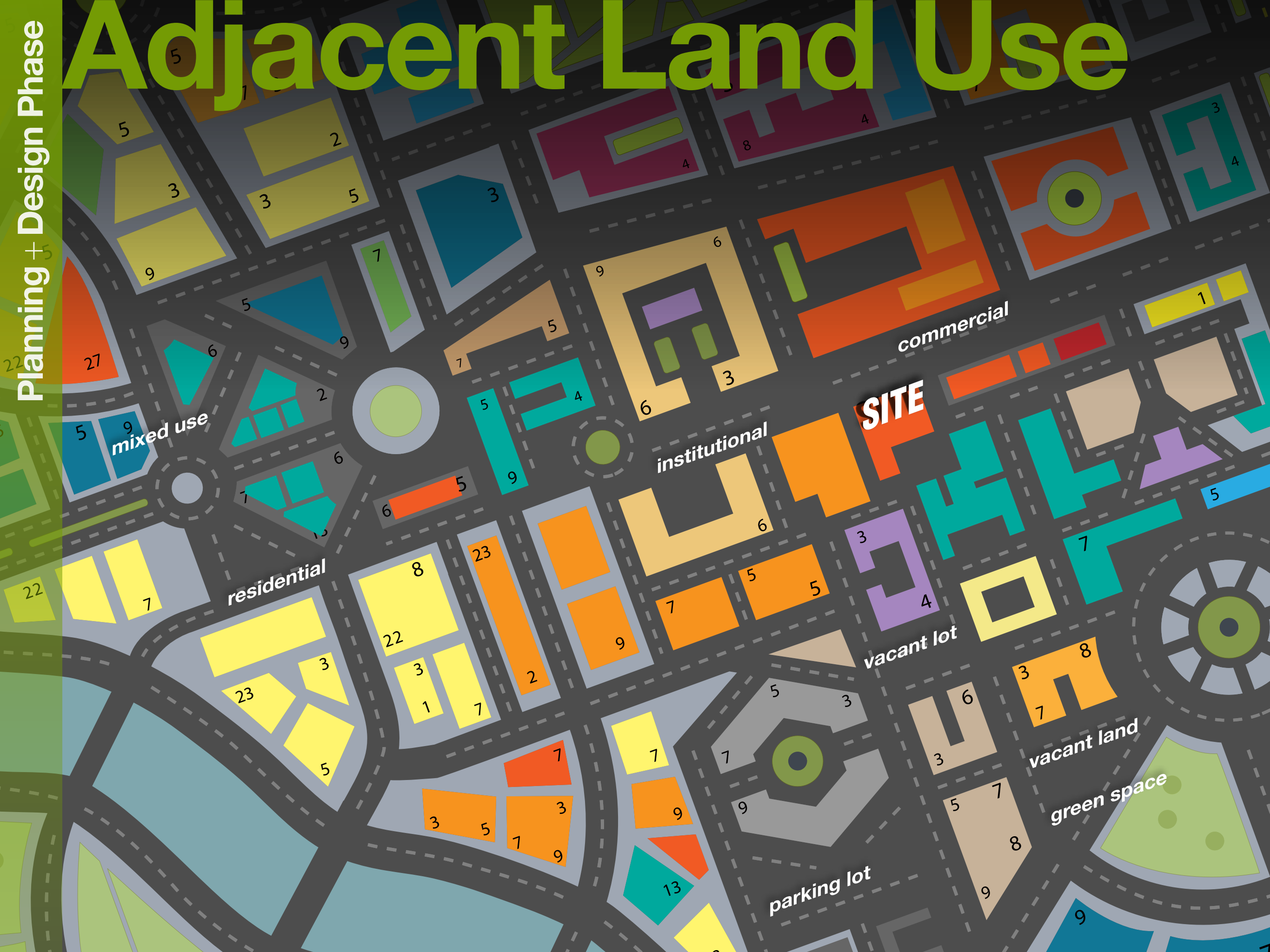




Site Analysis

Planning + Design Phase





Adjacent Land Use

Planning + Design Phase

SITE

mixed use

institutional

residential

vacant lot

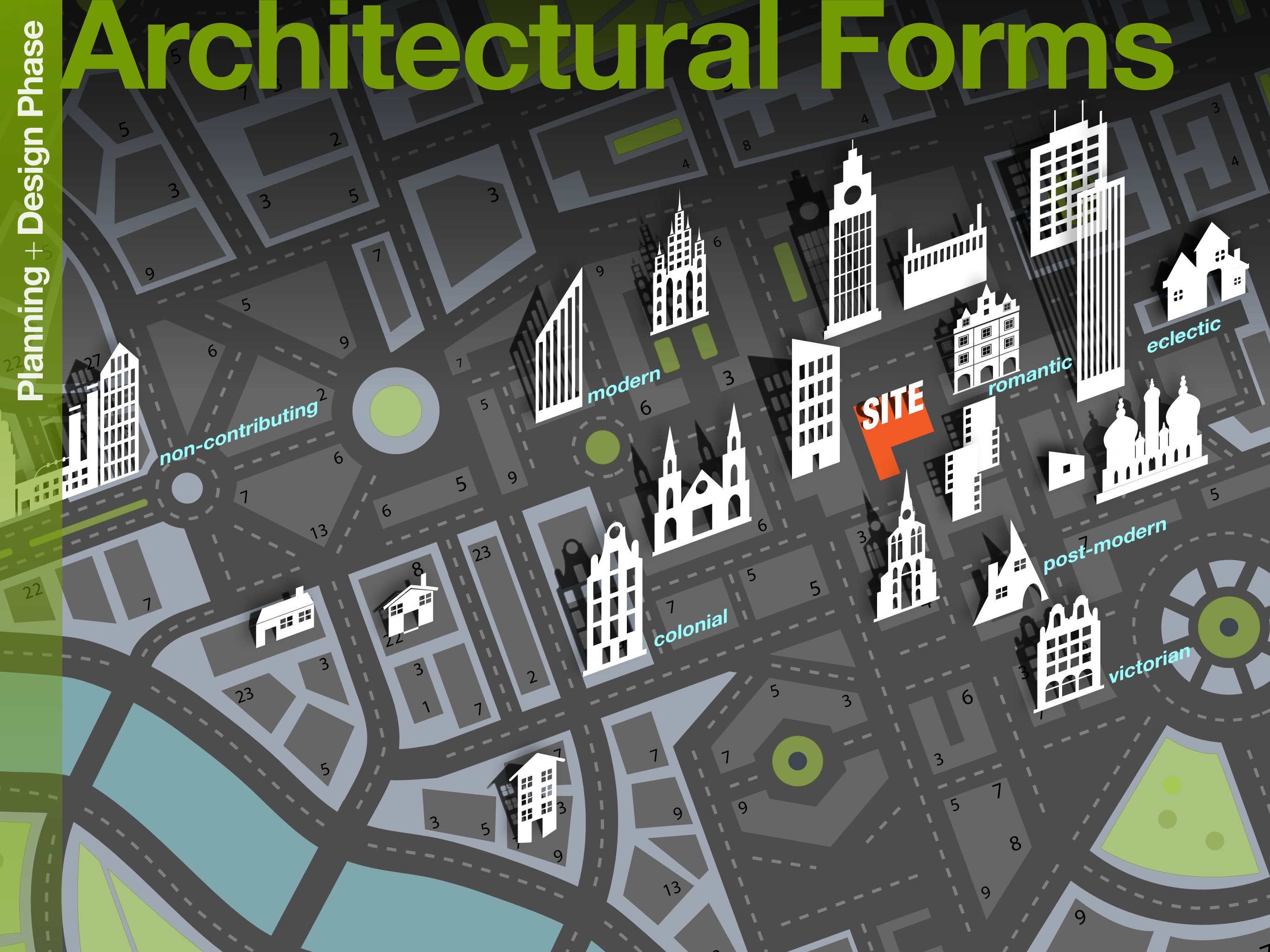
vacant land

green space

parking lot

Zoning





Architectural Forms

non-contributing

modern

SITE

romantic

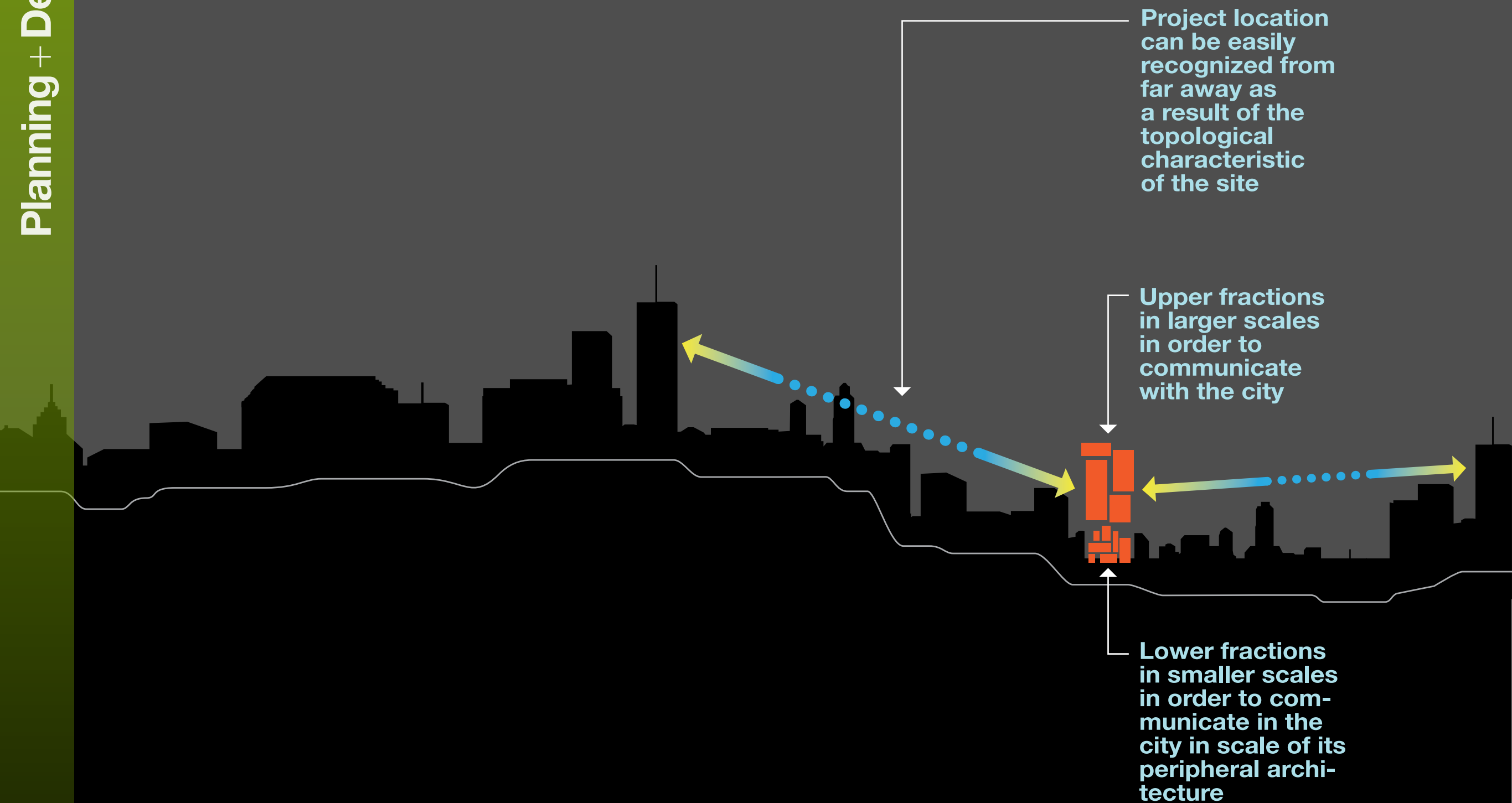
eclectic

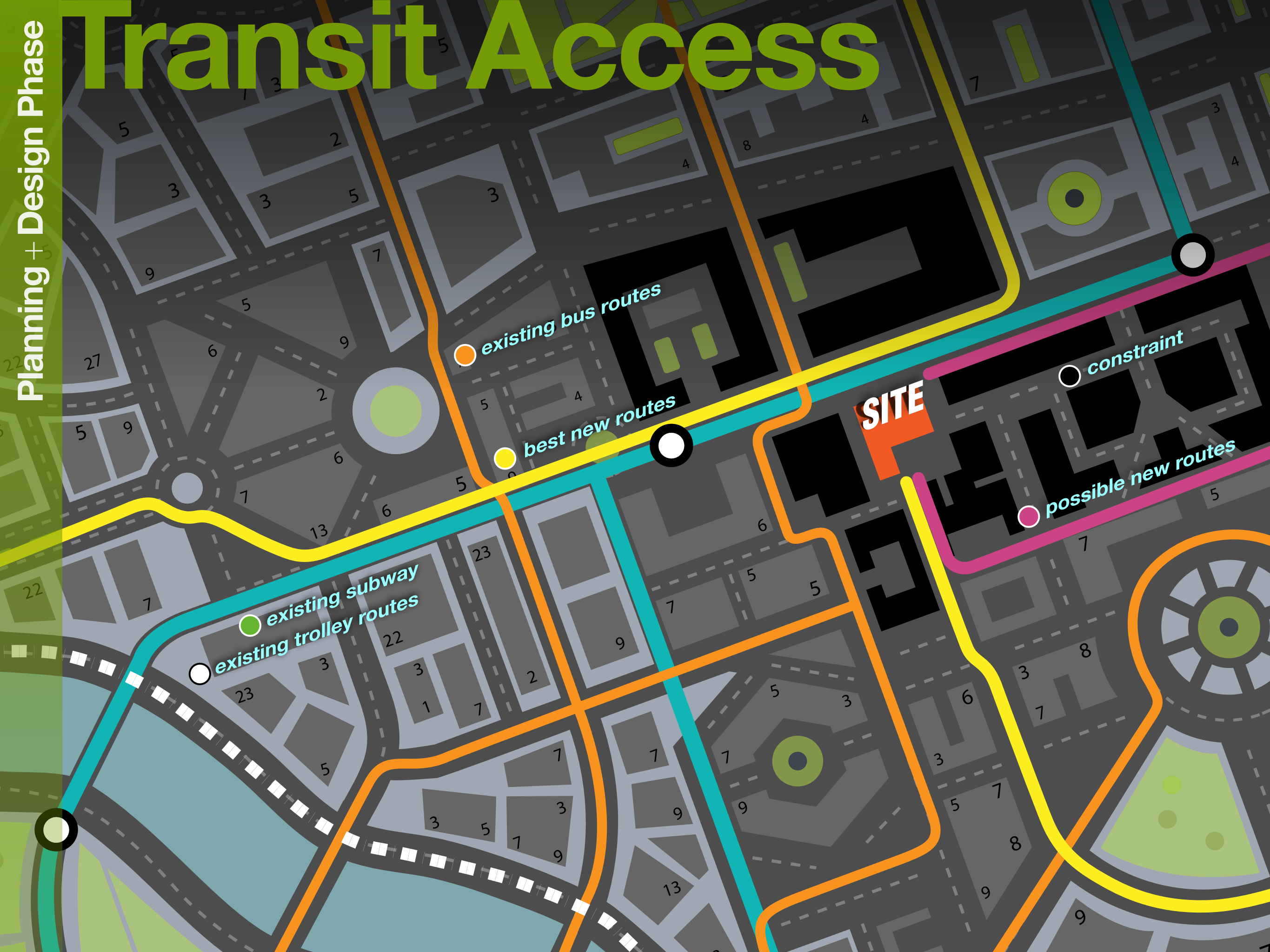
colonial

post-modern

victorian

Scale





Planning + Design Phase

Transit Access

existing bus routes

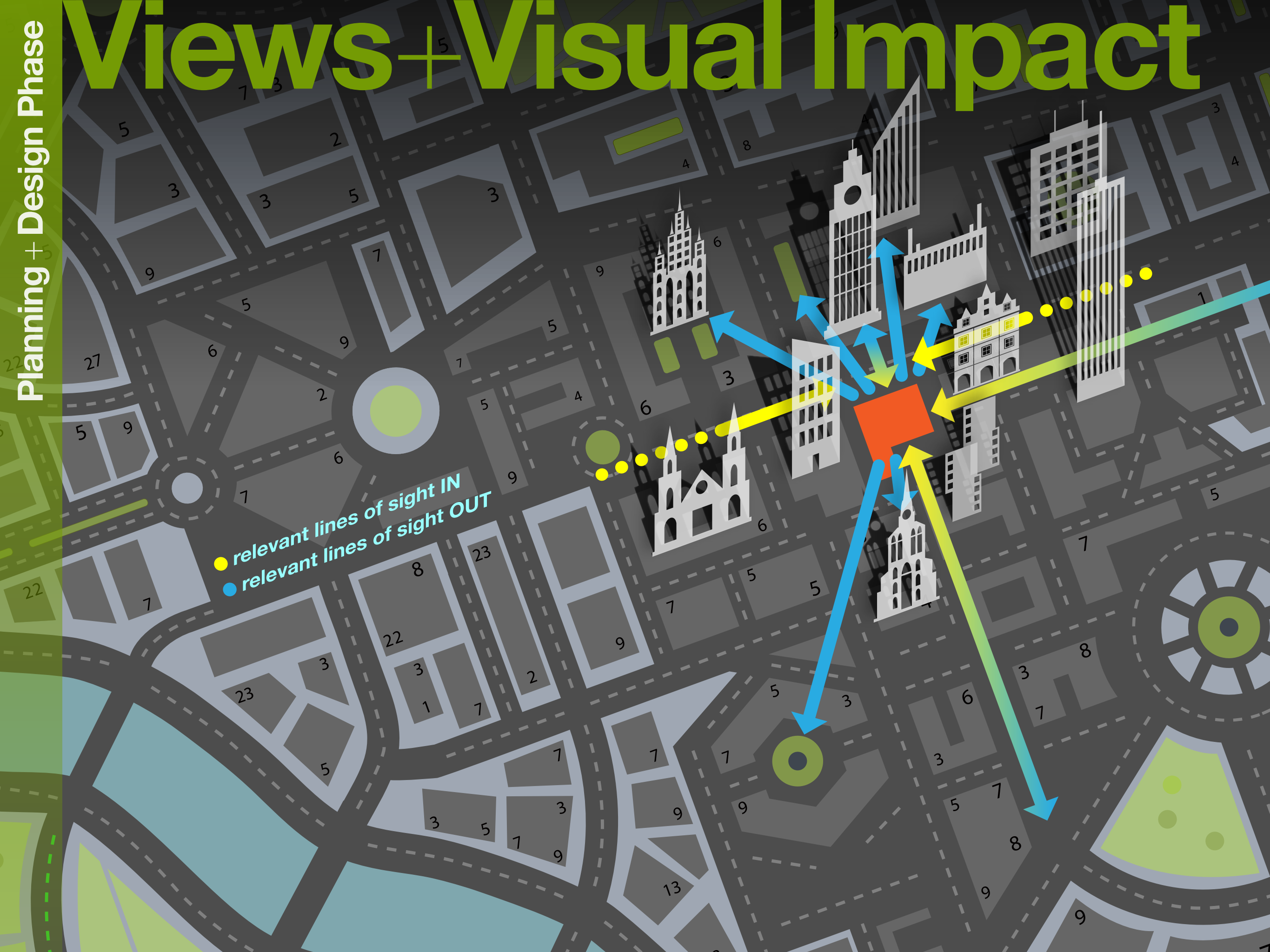
best new routes

SITE

constraint

possible new routes

existing subway
existing trolley routes



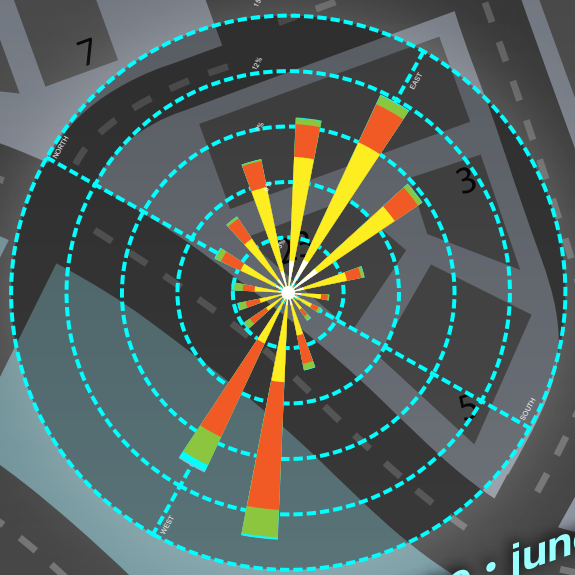
Views+Visual Impact

● relevant lines of sight IN
● relevant lines of sight OUT

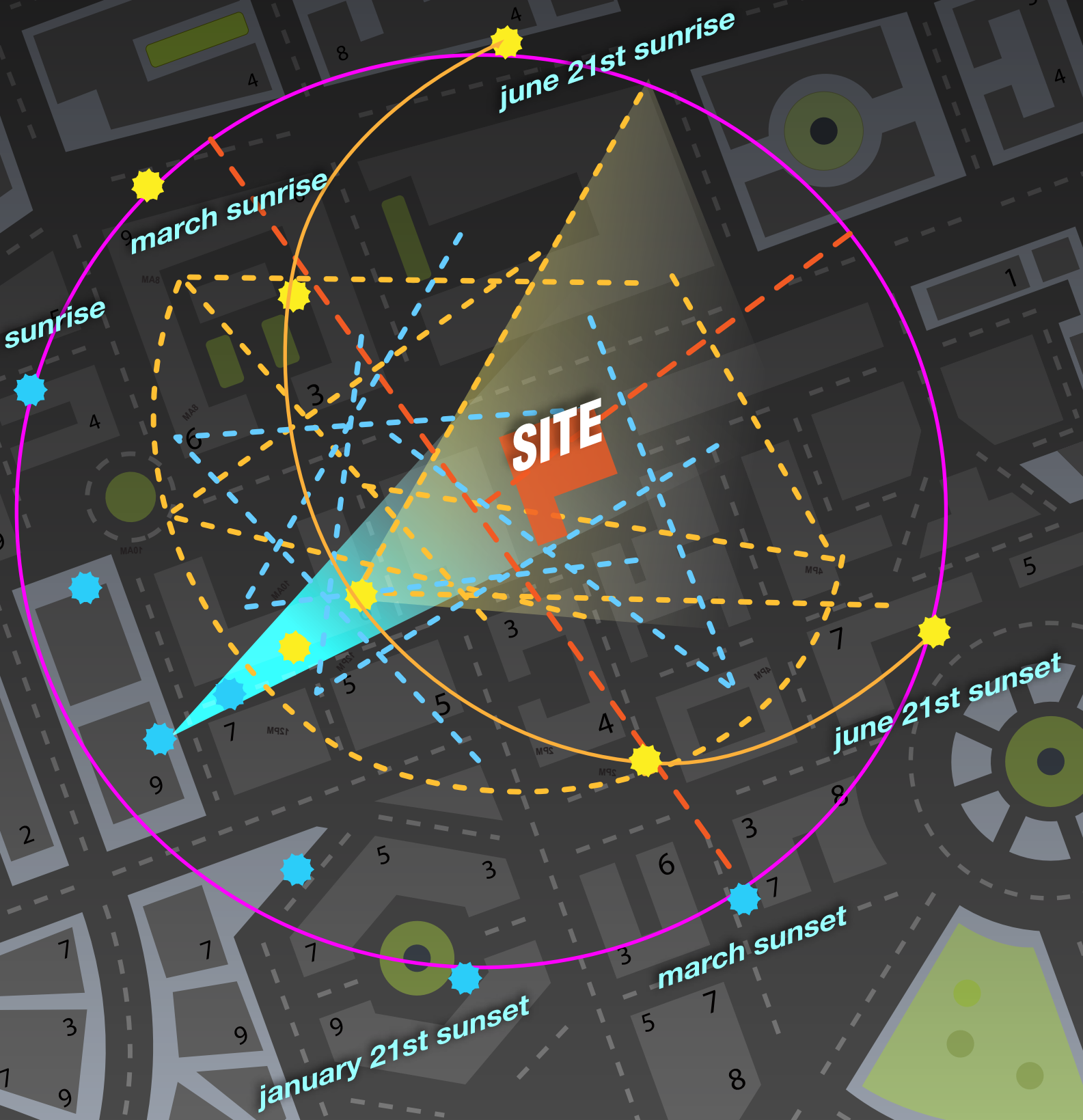
Sun Path + Breezes



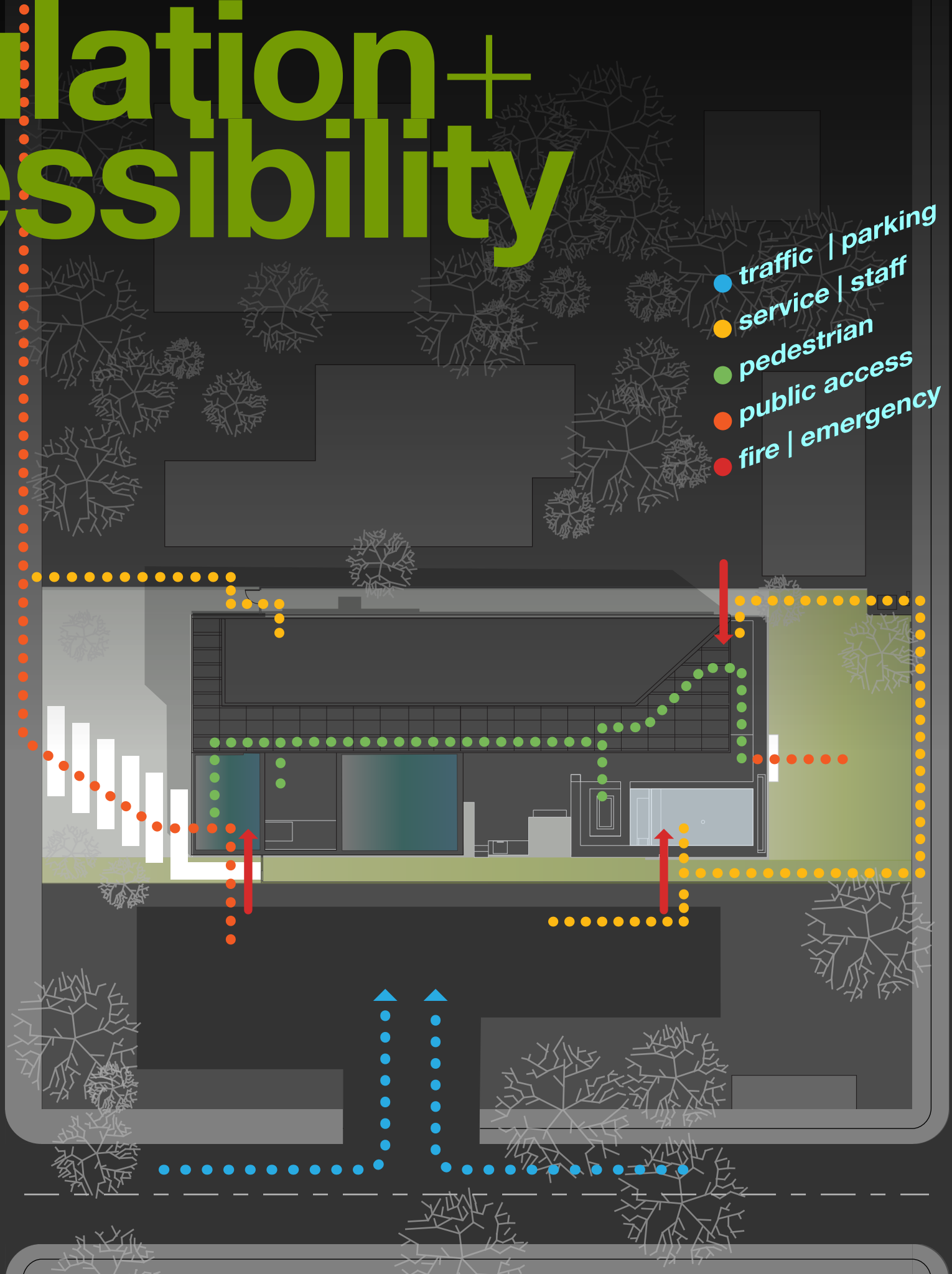
wind rose • january



wind rose • june

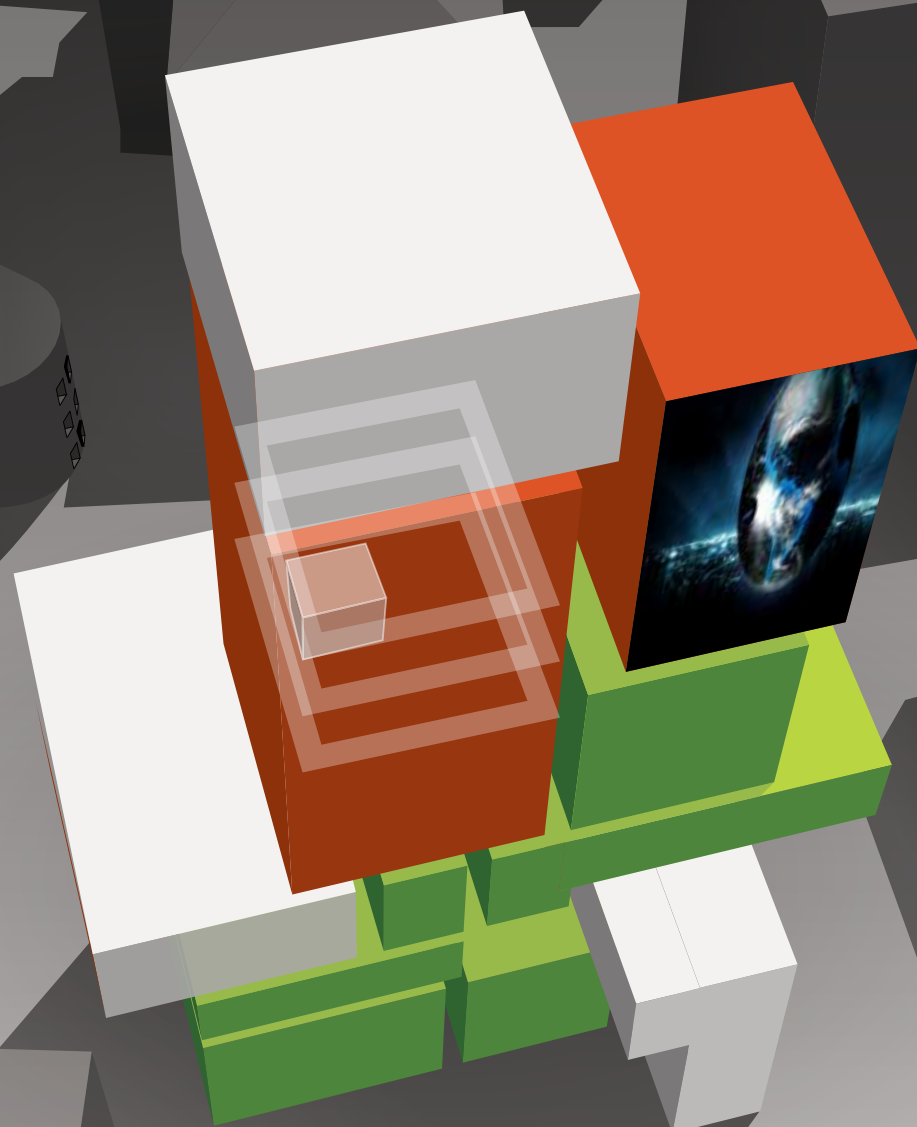


Circulation + Accessibility

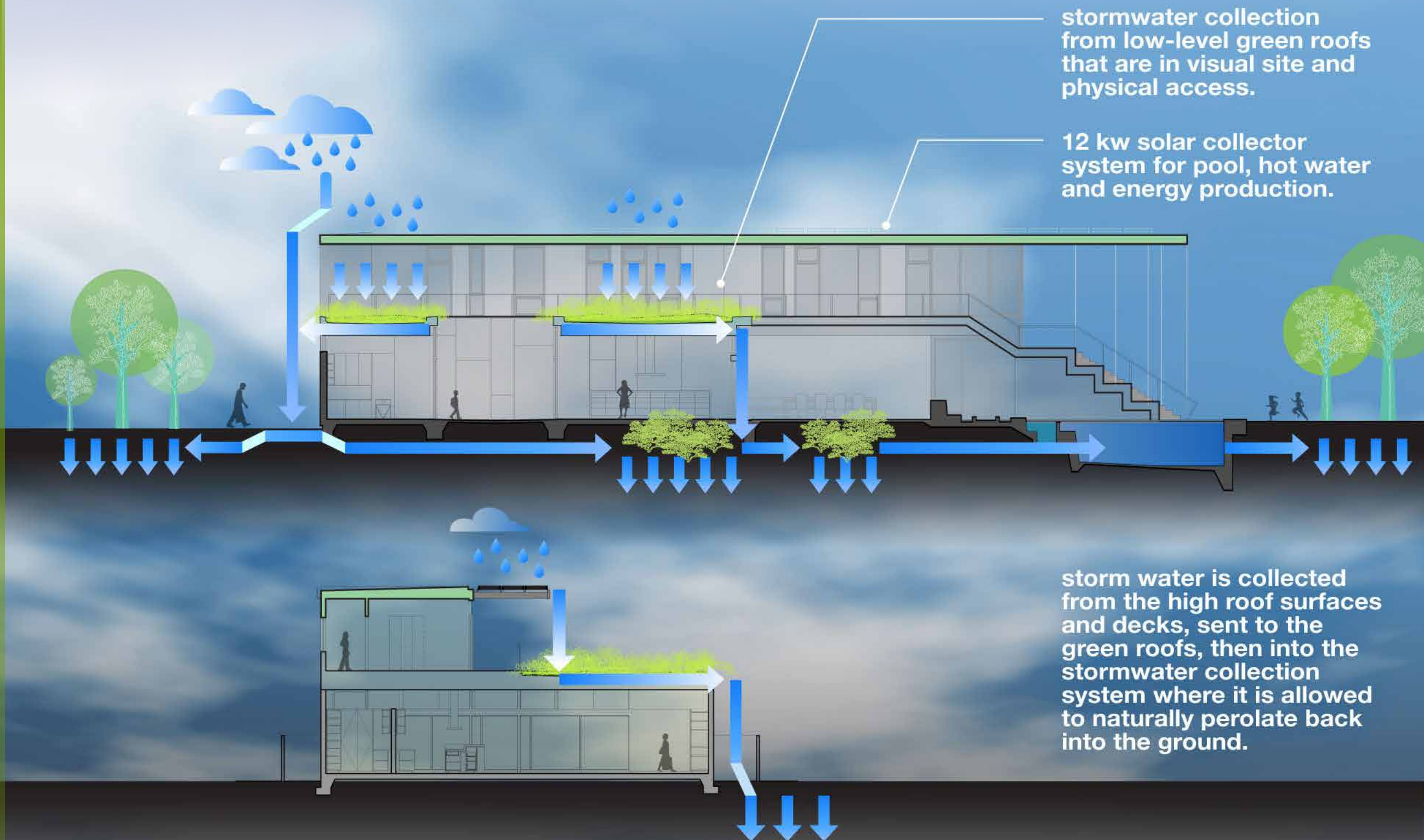


Massing

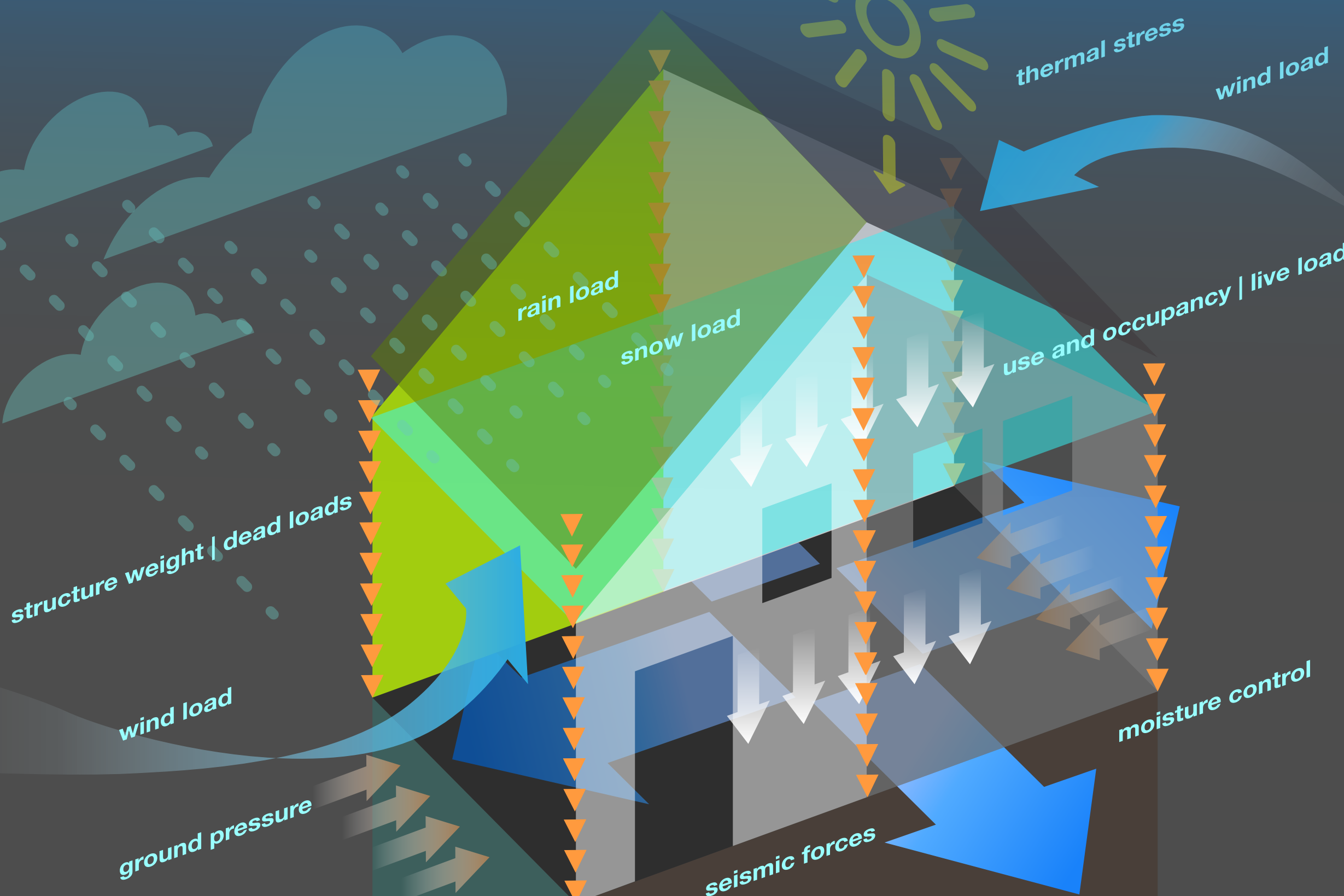
Planning + Design Phase



Water Management



Safety + Durability



Ventilation+Air Quality

Planning + Design Phase

Single room deep plan layout allows for maximum light, views and ventilation.

narrow floor plates increase natural daylight while cross ventilation reduces cooling loads and energy usage

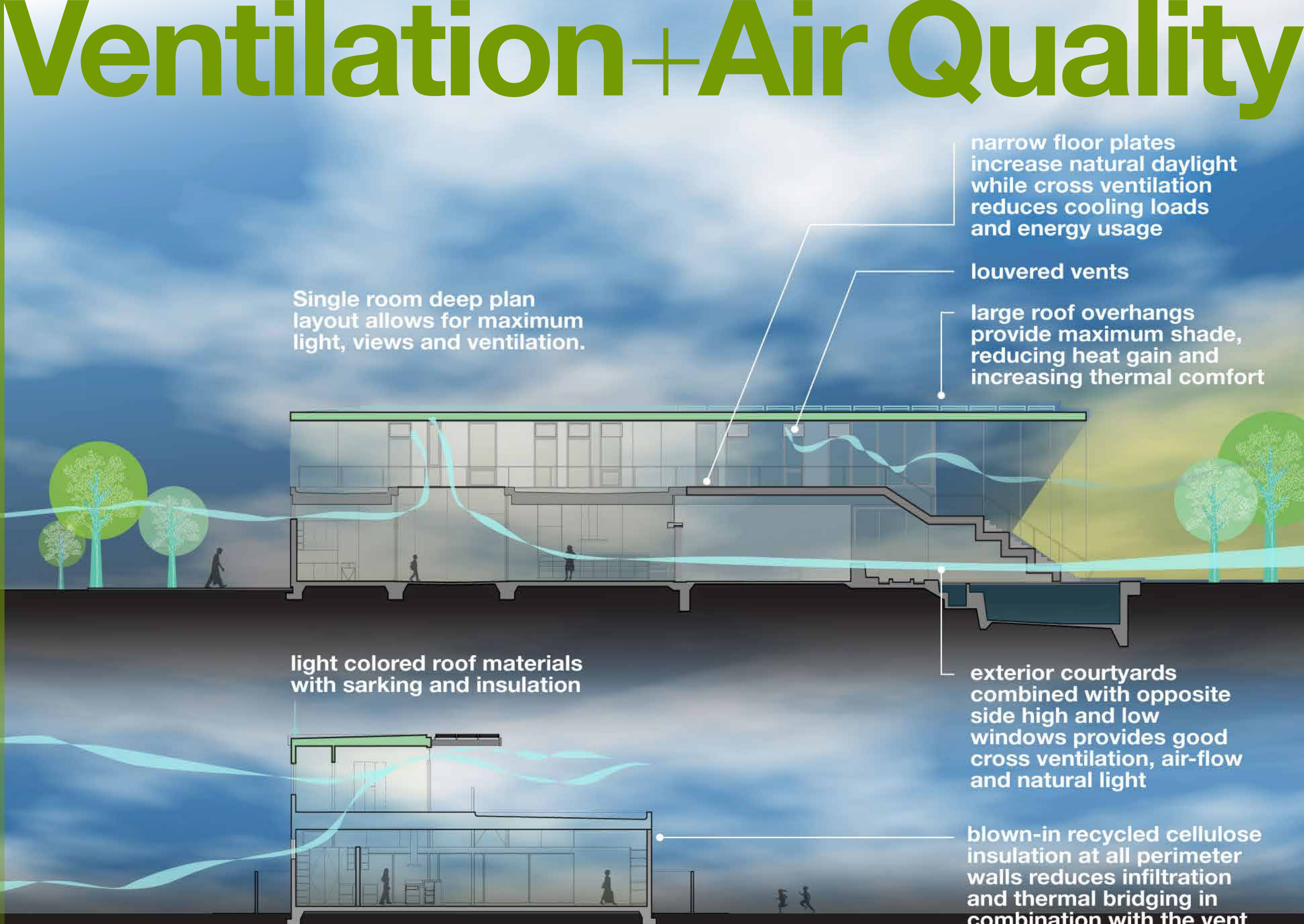
louvered vents

large roof overhangs provide maximum shade, reducing heat gain and increasing thermal comfort

light colored roof materials with sarking and insulation

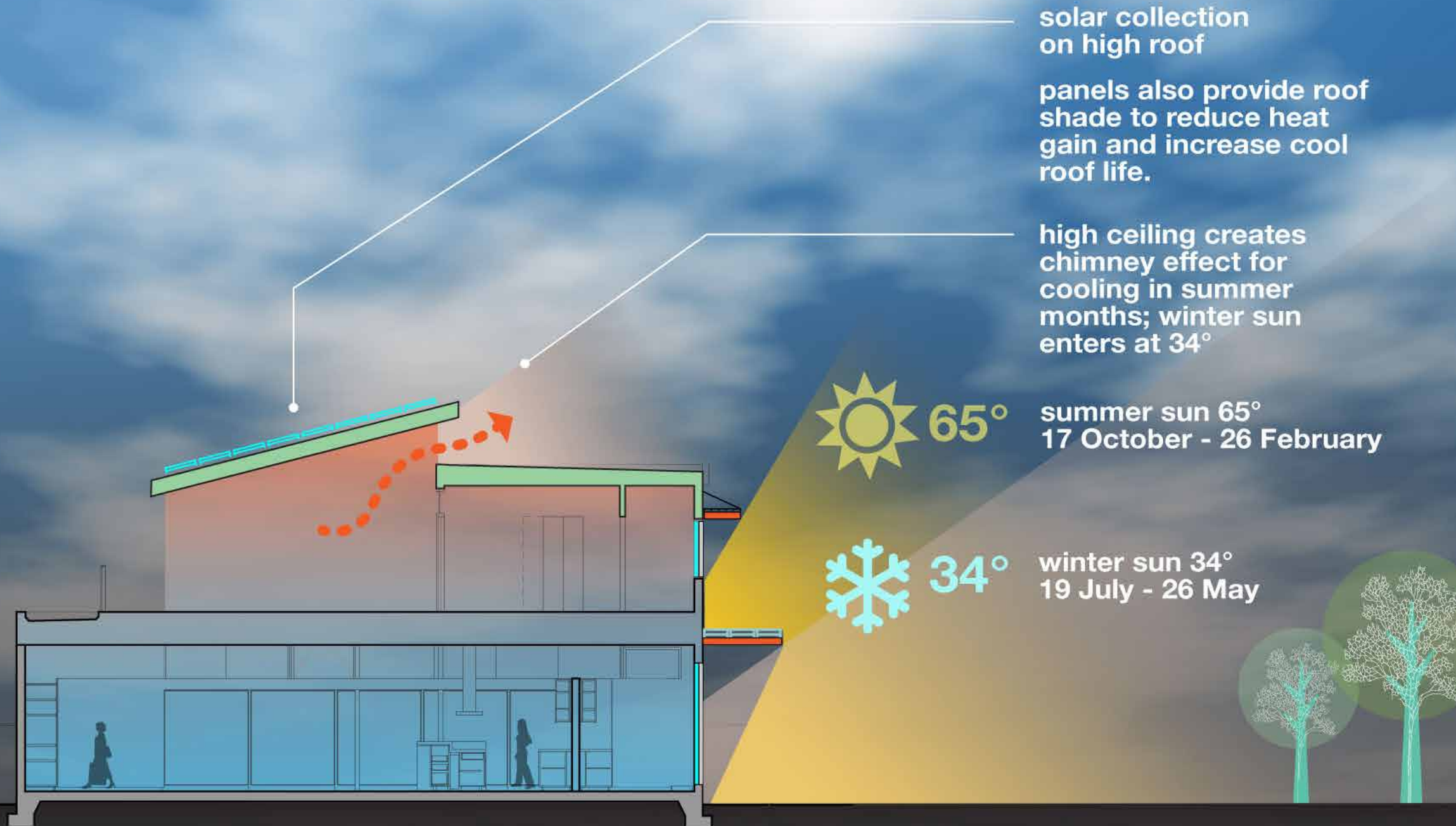
exterior courtyards combined with opposite side high and low windows provides good cross ventilation, air-flow and natural light

blown-in recycled cellulose insulation at all perimeter walls reduces infiltration and thermal bridging in combination with the vent skin cement board siding system

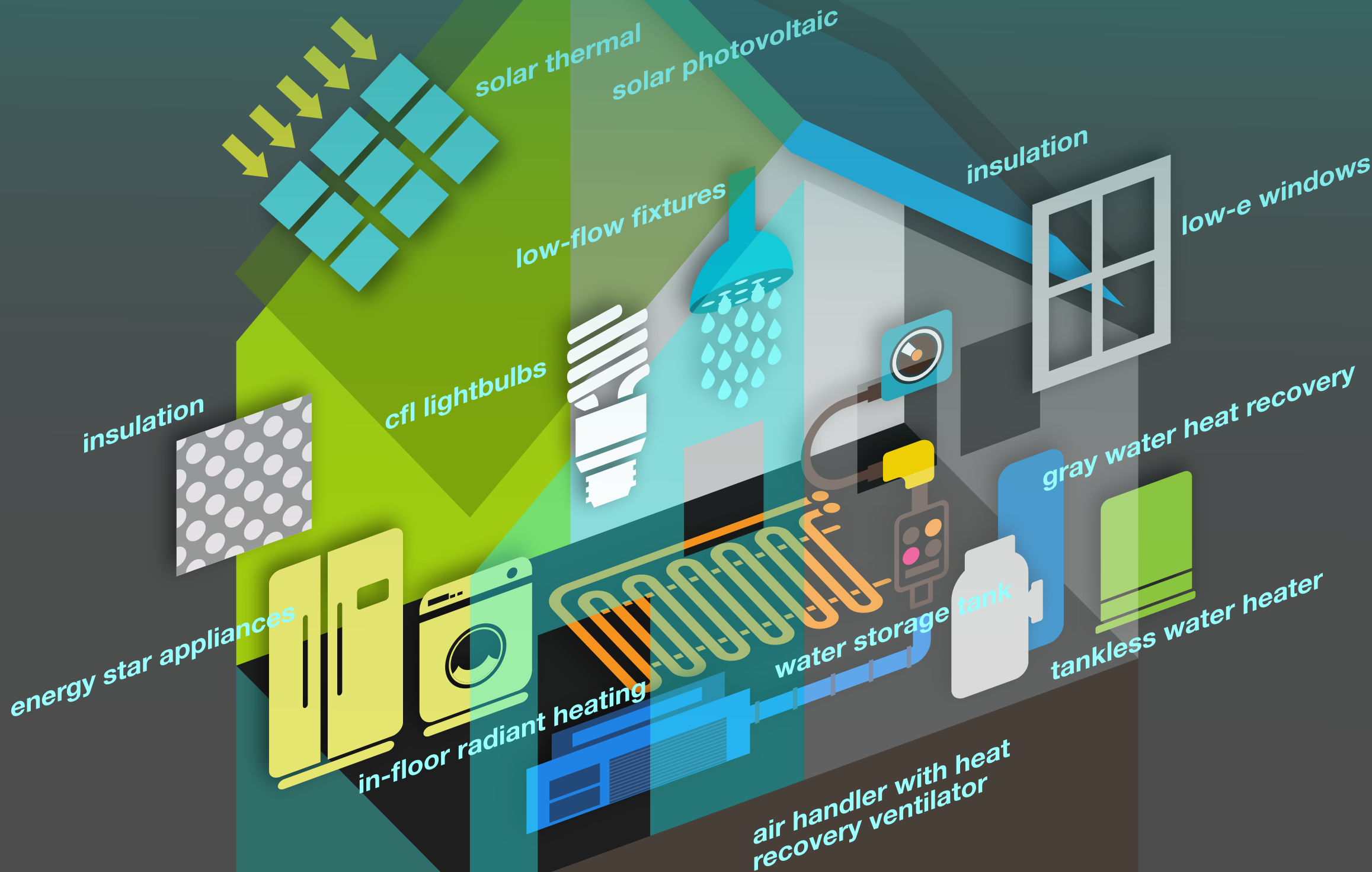


Maximizing Daylight

to lower operational costs



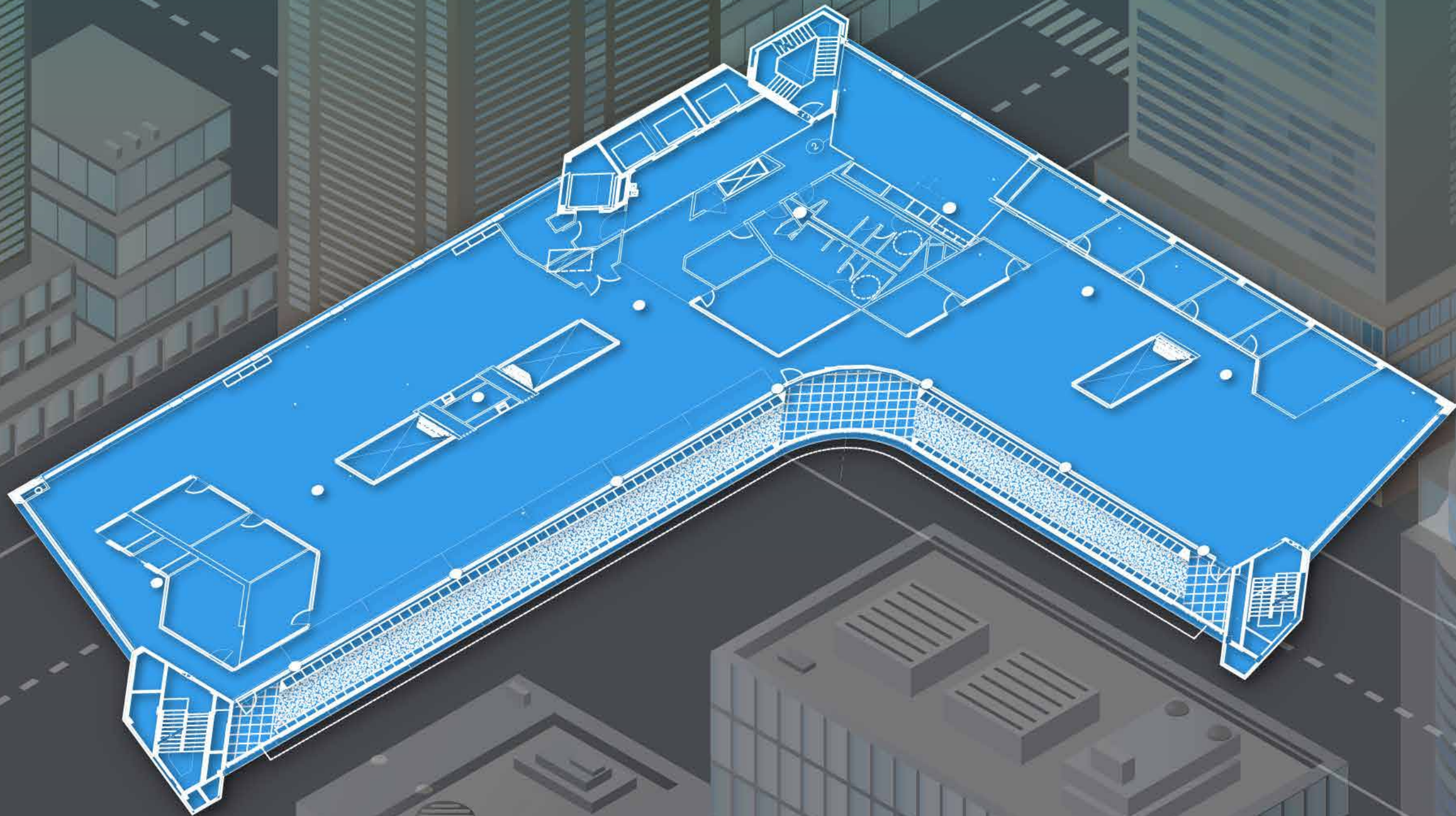
Integrating Technologies

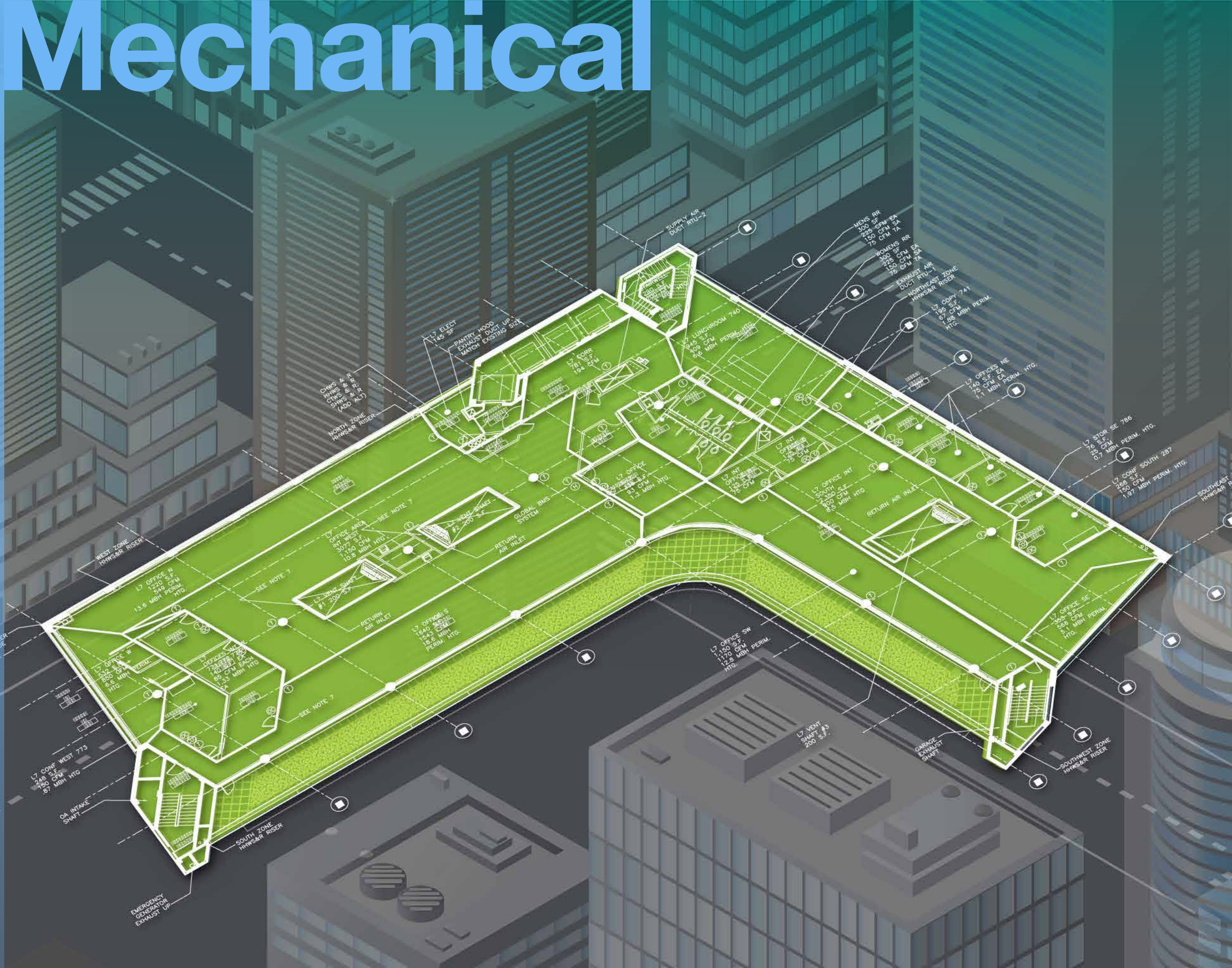


Construction Documentation Phase Instructions to Build



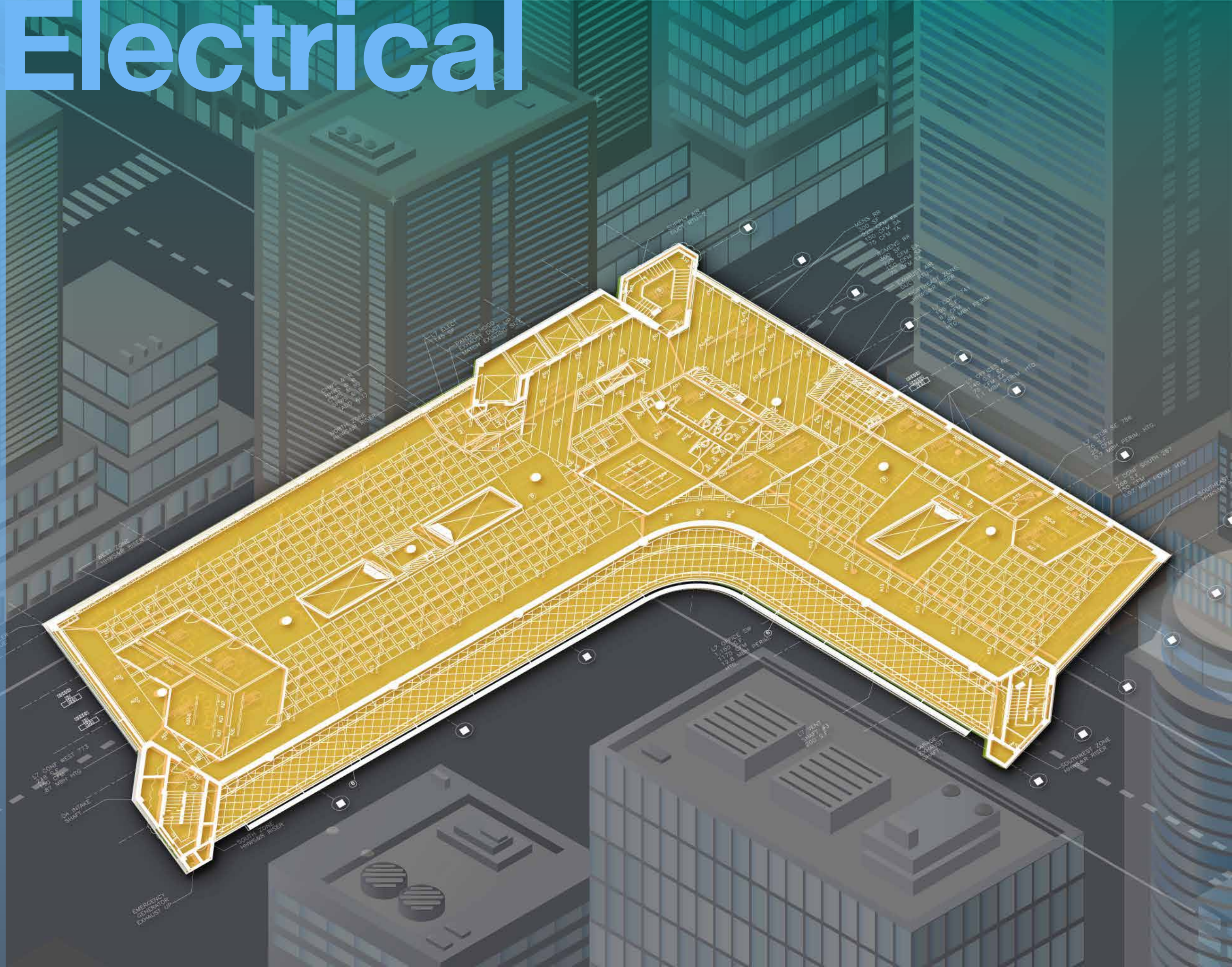
Architectural Floor Plan

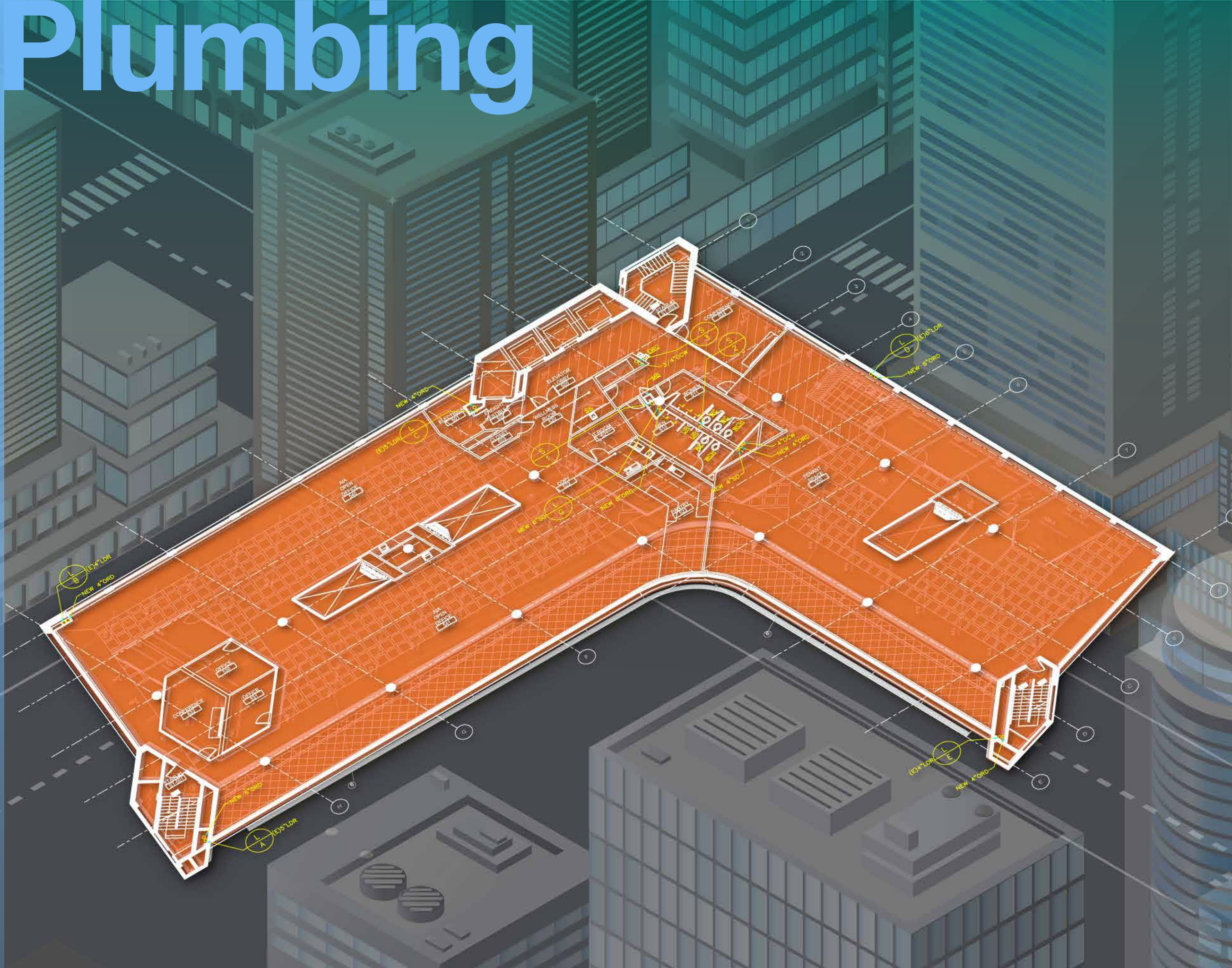




Electrical

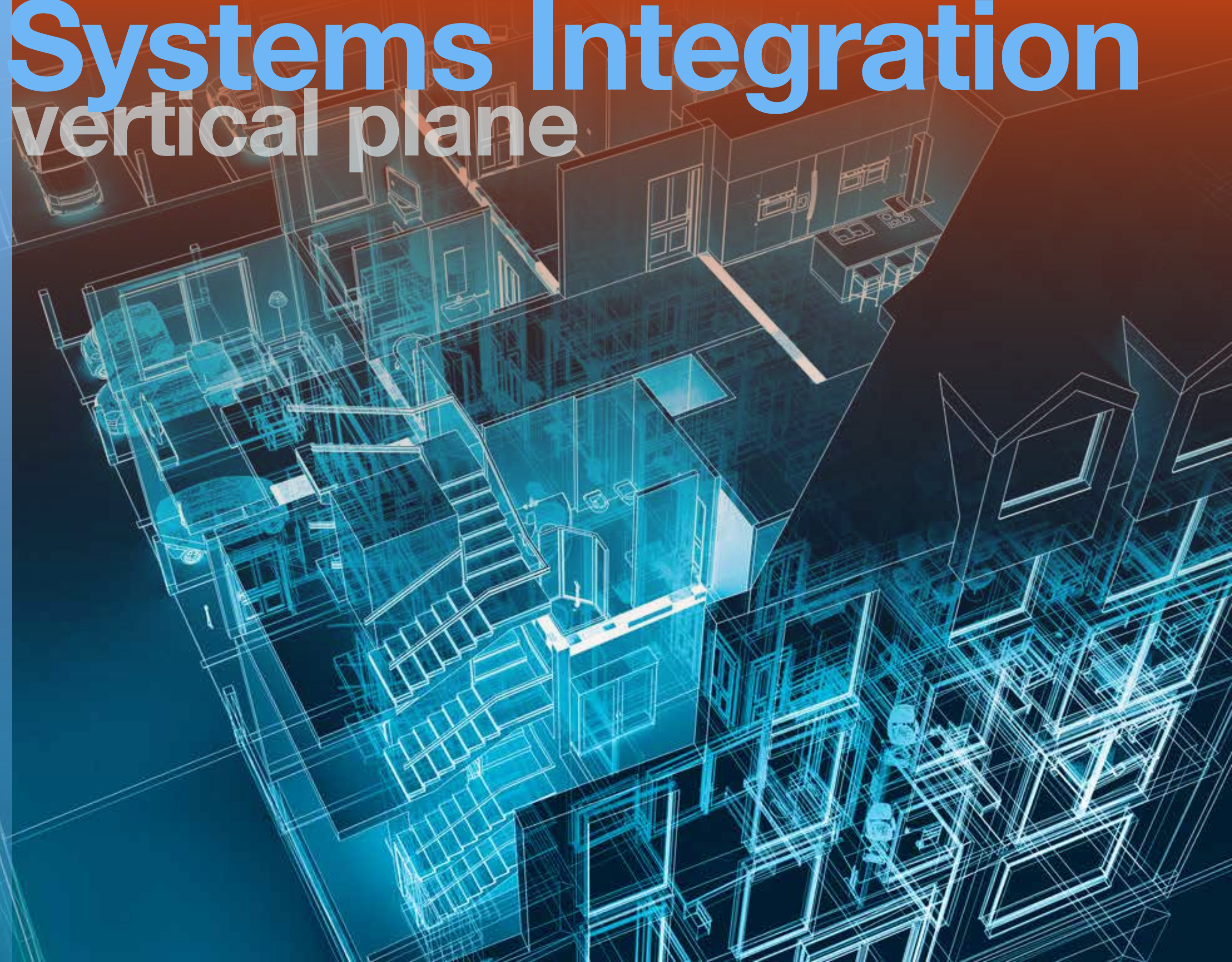
Construction Documentation Phase—Instructions to Build

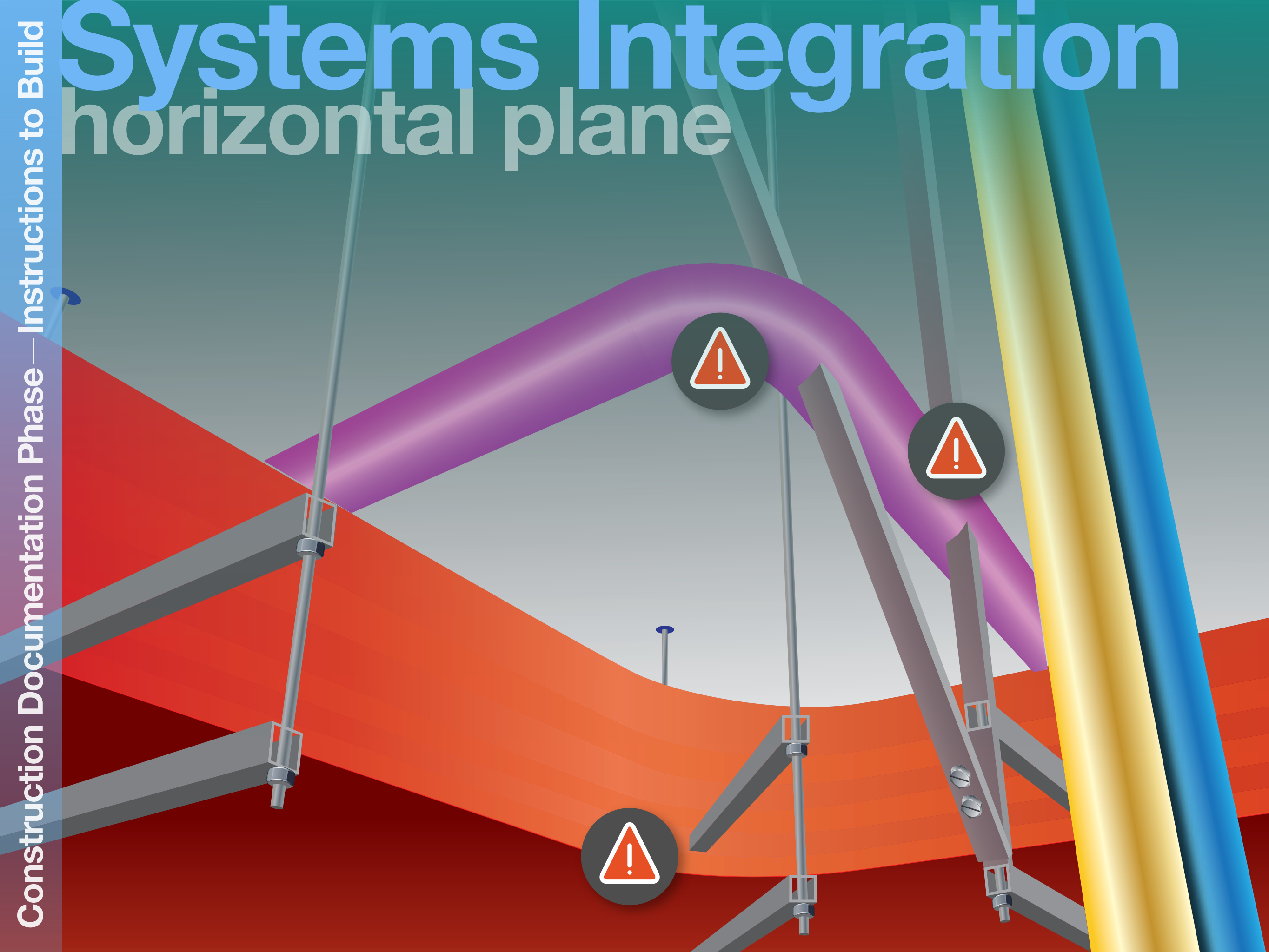




Systems Integration

vertical plane



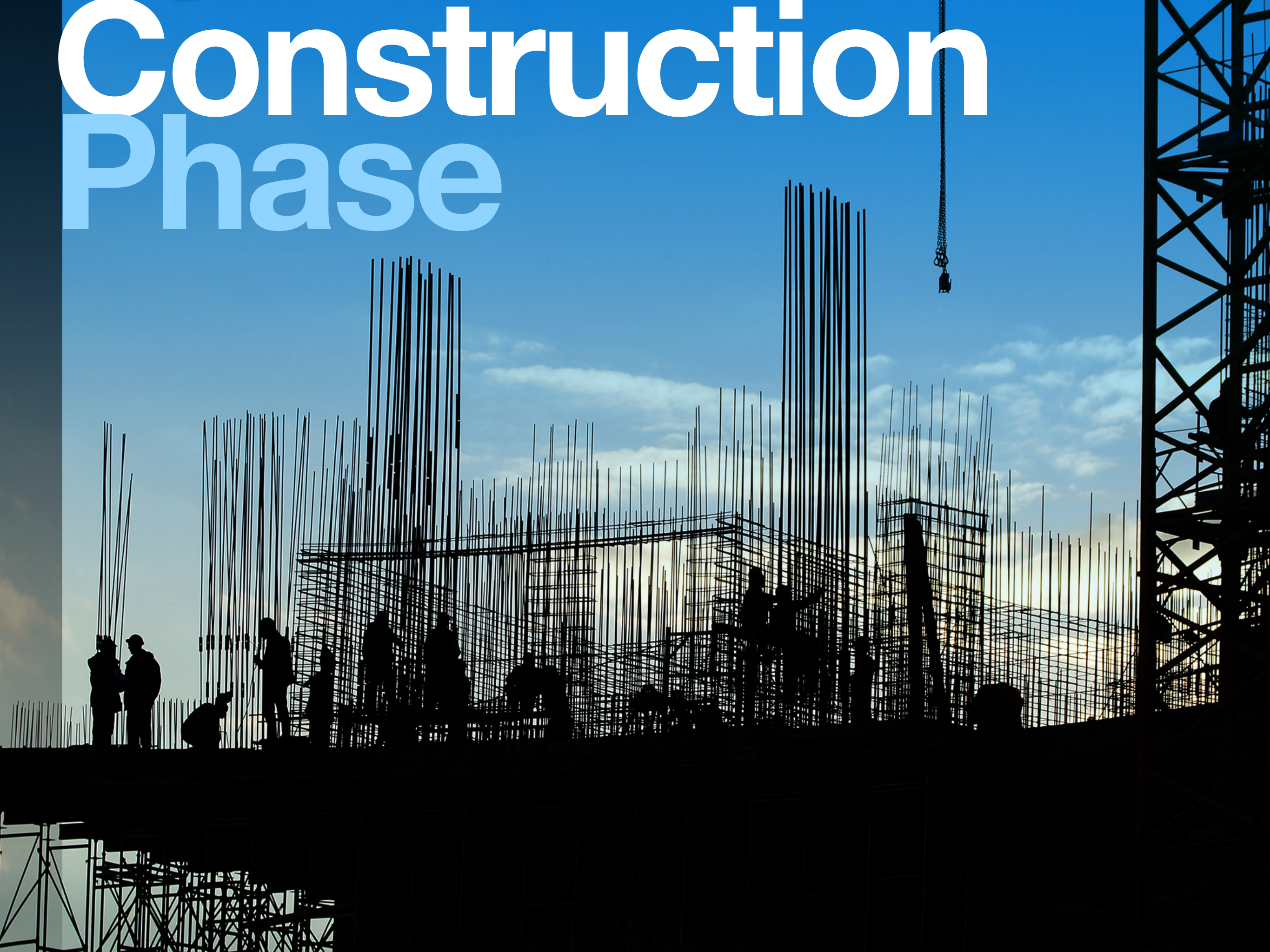


Systems Integration

horizontal plane

Construction Documentation Phase—Instructions to Build

Construction Phase





Interviewing Contractors



Coordinating Inspections



Managing Change Orders



Post-Construction Phase





Post-Construction Phase

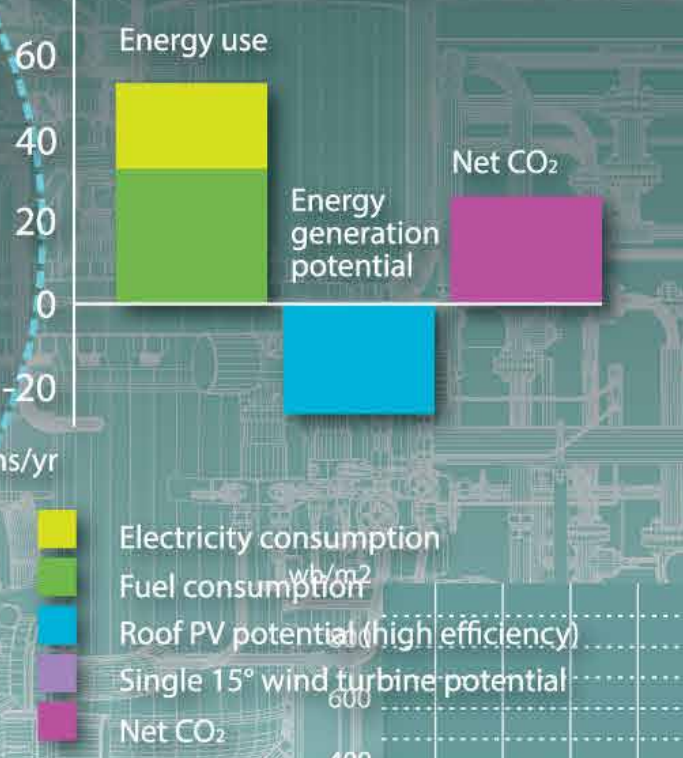
Final Construction Documents

reconciling differences
between the design and
actual construction

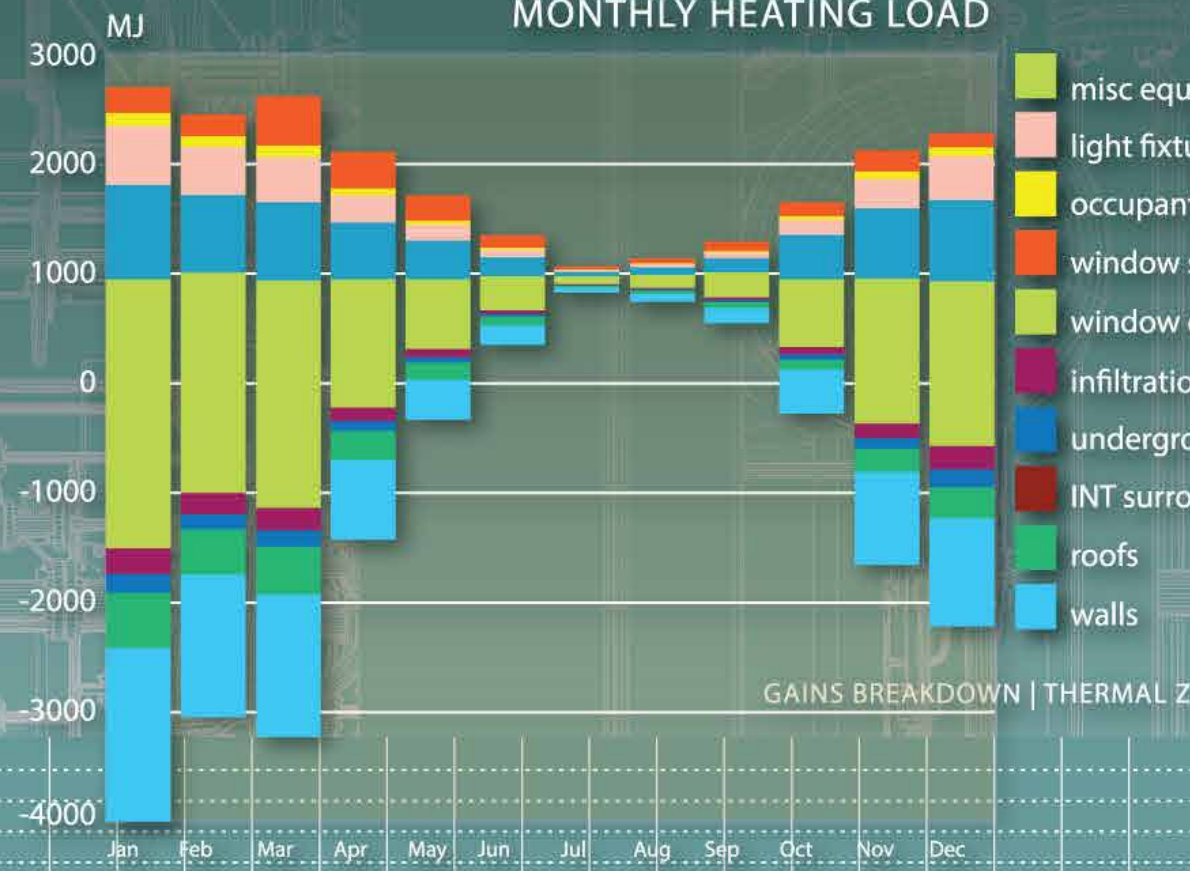
Maintenance+Operation



ANNUAL CARBON EMISSIONS



MONTHLY HEATING LOAD



GAINS BREAKDOWN | THERMAL ZONE



Thanks



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