



XII INTERNATIONAL CONFERENCE MES-2018
'Modern Engineering Systems. Architecture of Health'

Lucille Packard Children's Hospital Stanford University

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Associate Principal

Global Practice Leader for Medical Education

PERKINS+WILL

00 Overview

1990 / 2017

4.5 / 3.5

149 / 361

591,000

LEED Platinum



The big ideas

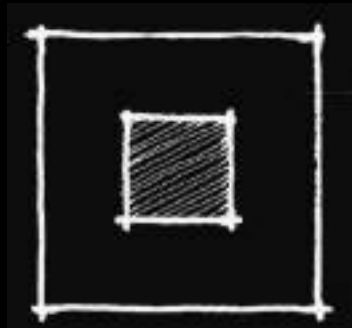
1. One Campus
2. Connection to Nature
2. Climate Responsive
3. Focus on the Child
4. Connected to Place



01 | One Campus



01 | One Campus / Observations



Typical Hospital

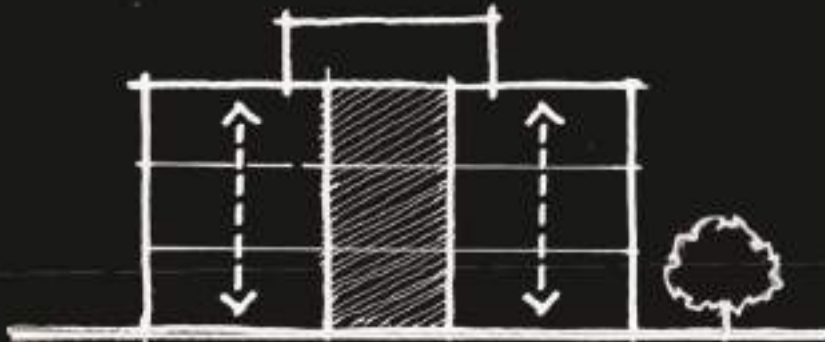


LCPH

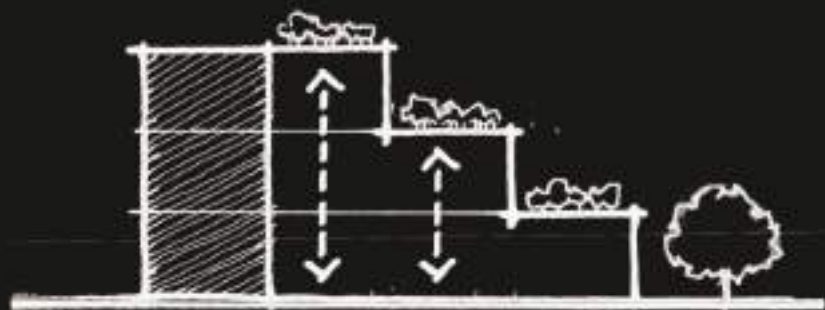


01 | One Campus / Observations

One Campus: Existing LPCH Observations



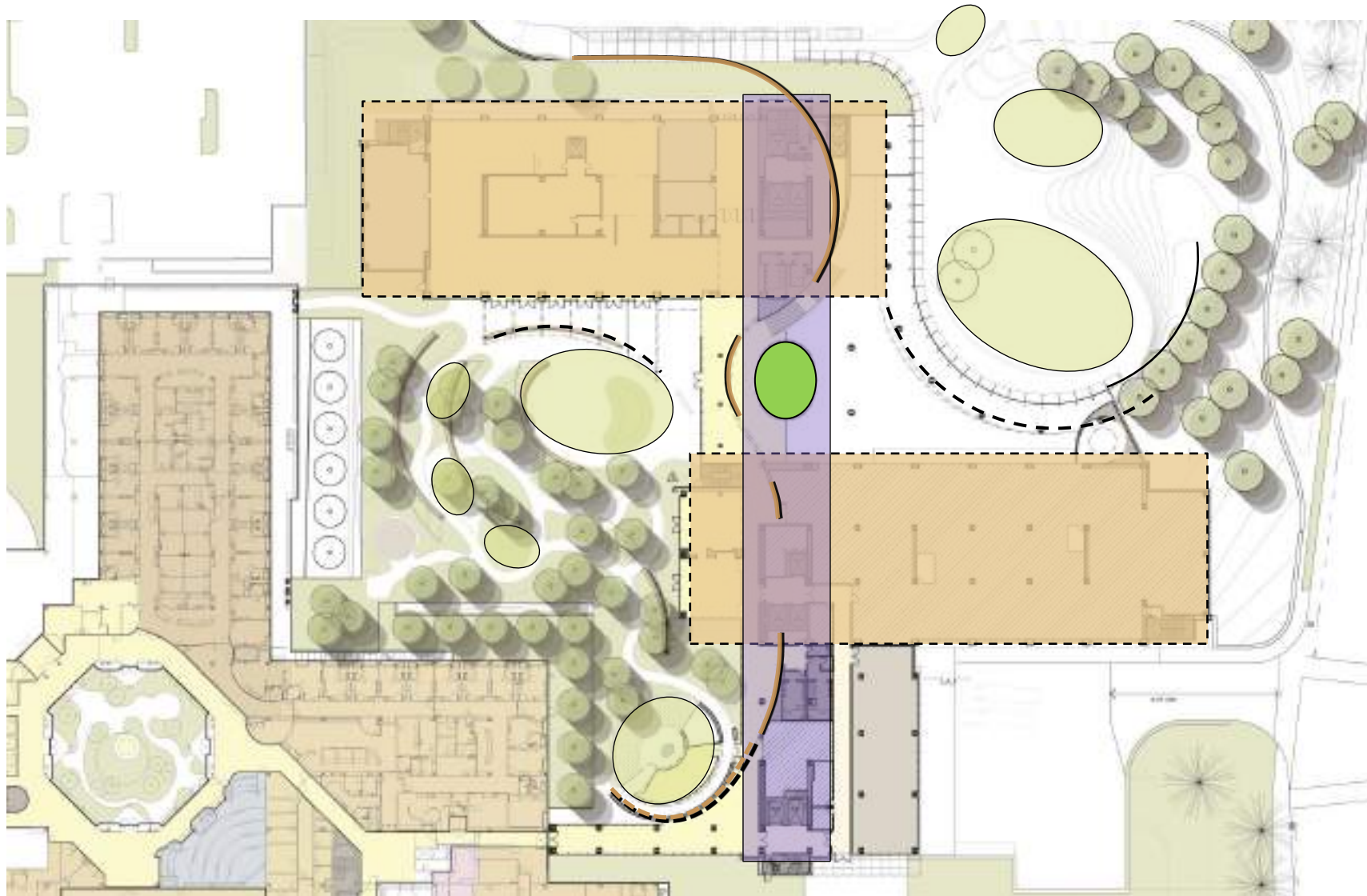
Typical Hospital Section



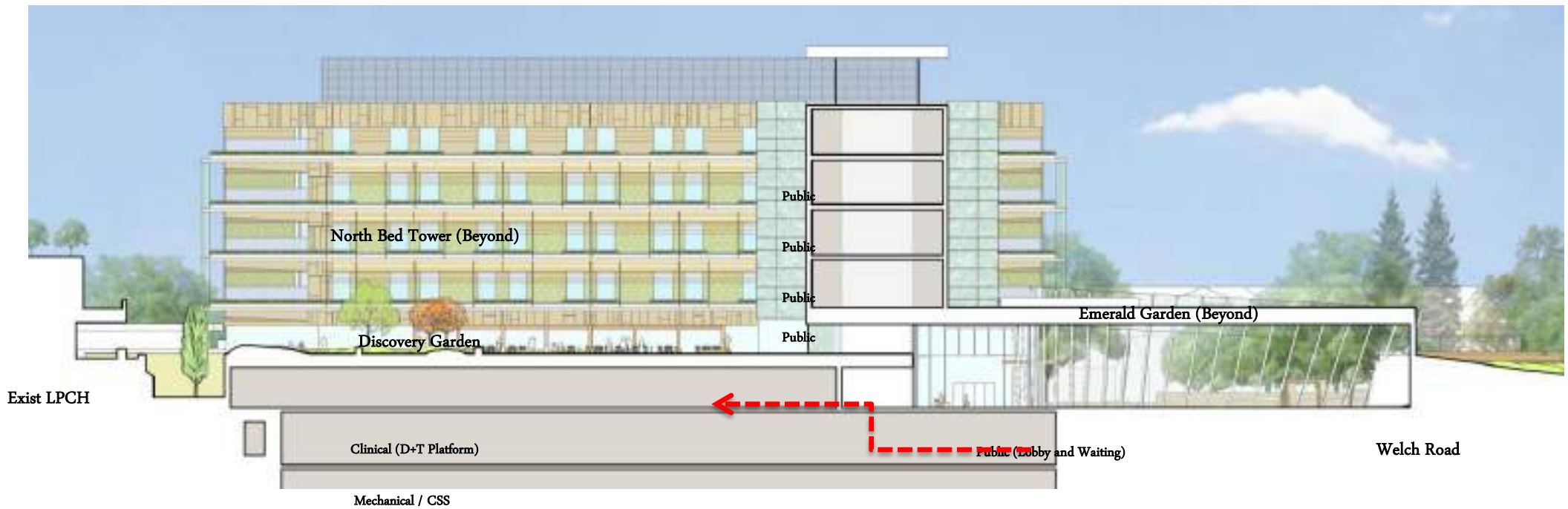
LCPH Section (Terraced Garden)



01 | One Campus / First Floor Plan



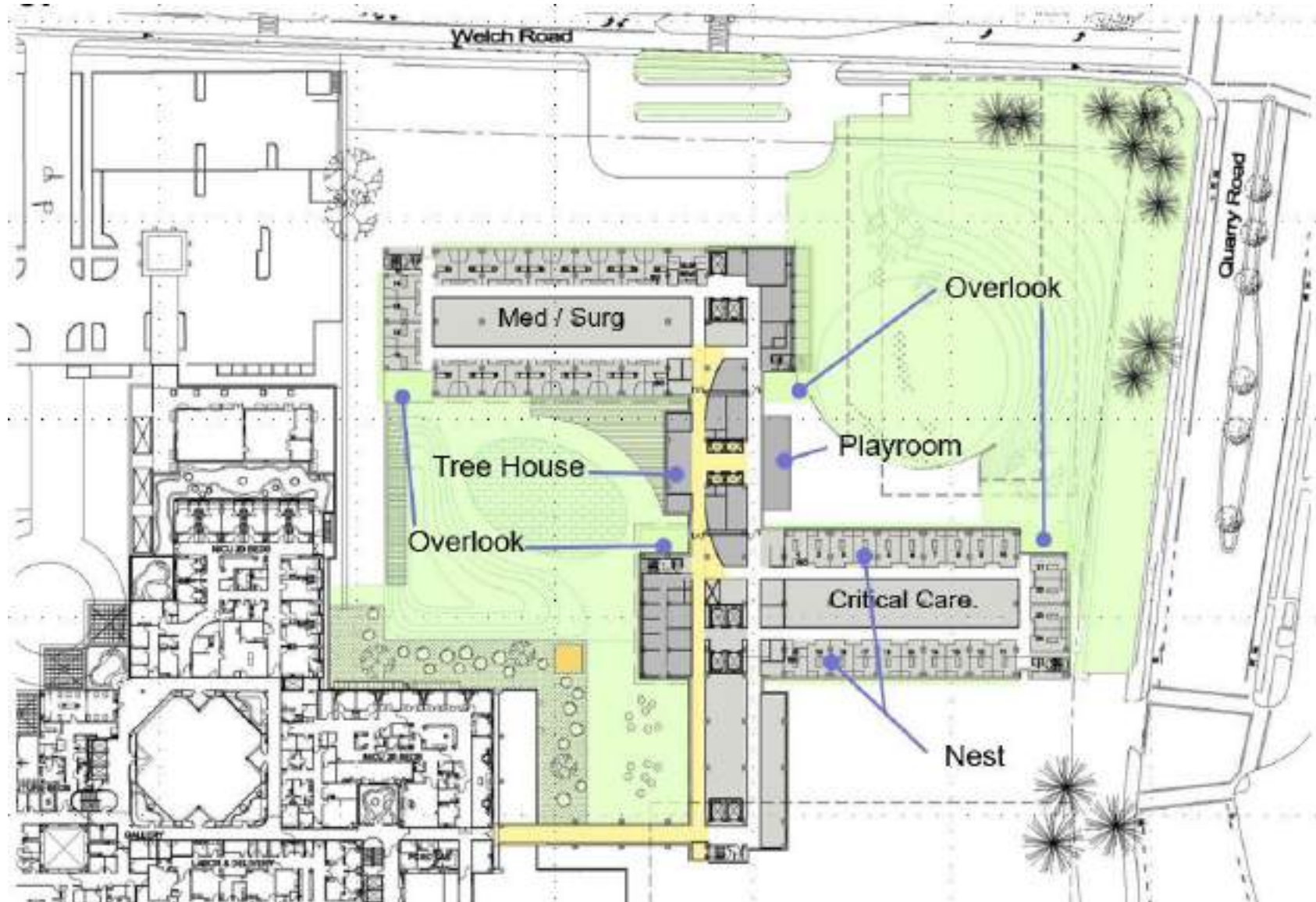
01 | Lobby to First Floor Concourse



01 | The Discovery Garden and Concourse



02 | Connection to Nature / Concept



02 | Connection to Nature / Gardens



Entry Garden



Discovery Garden



Healing Garden



Healing Path



Emerald Garden



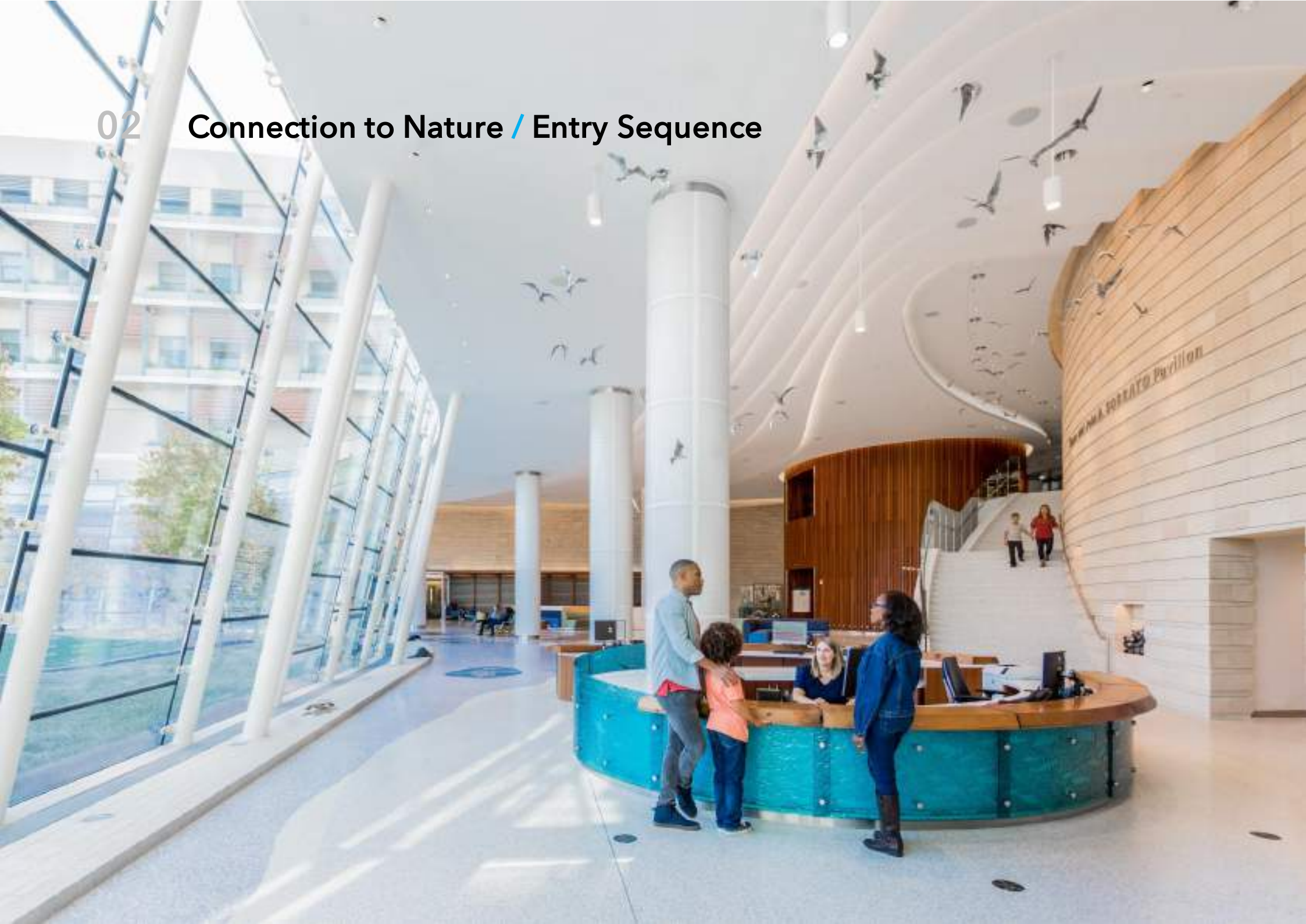
02 | Connection to Nature / Entry Sequence



02 | Connection to Nature / Entry Sequence



02 Connection to Nature / Entry Sequence



02 | Connection to Nature / The Patient Unit



02 | Connection to Nature / The Overlook



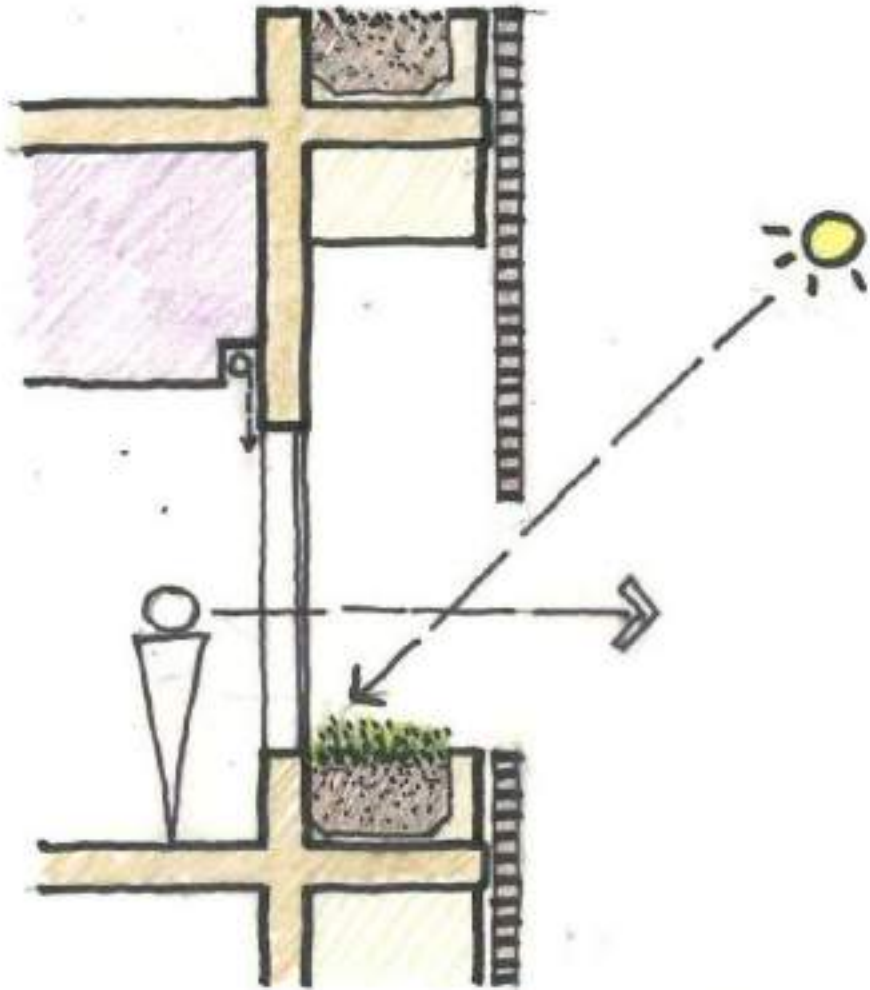
02 Connection to Nature / The Overlook



02 Connection to Nature / The Treehouse



02 | Connection to Nature / The Nest



offset panel w/ planter.



02 | Connection to Nature / The Nest



03 Climate Responsive

5

Concepts

- Carbon Neutral
- Connection
- Water Balance
- Healthy Materials
- Transformative Experience



03 Climate Responsive

Carbon Neutral

90% reduced emissions hospital

44% Energy savings projection





03 Climate Responsive
Connection

Reduced footprint restored 4.5 Acres
Stanford Arboretum

03 Climate Responsive

Water Balance

38% reduction of water consumption

2.5 million gallons of water saved per year



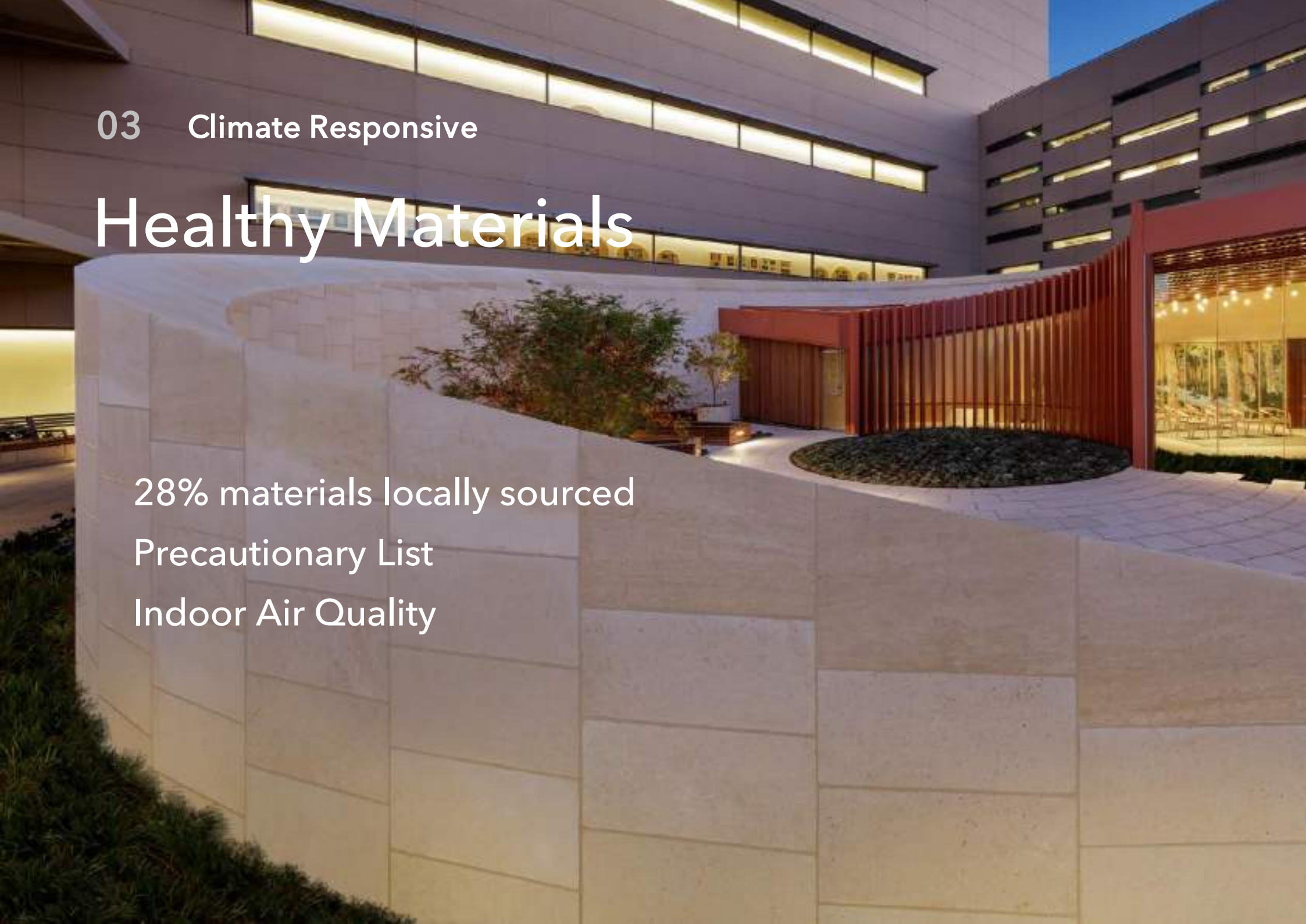
03 Climate Responsive

Healthy Materials

28% materials locally sourced

Precautionary List

Indoor Air Quality



03 Climate Responsive

Transformative Experience

Design for physical activity
Teaching building



04 Focus on the Child

Growth and Perception

Vision
Sound
Motor



04 Focus on the Child



04 Focus on the Child



04 Focus on the Child

200
Patient
Care Unit

The kit fox is the smallest member of the Canidae family.



04 Focus on the Child



04 Focus on the Child



01 Connected to Place



04 Connected to Place



04 | Connected to Place



EXISTING (Ocean)

	THEME	ZONE 5	ZONE 6	ZONE 7	ZONE 8	ZONE 9	BRIDGE
3	Sky						↔
2	Shore						↔
1	Ocean						↔
G	Ocean Floor						↔

PHASE 2 (Land)

	THEME	ANIMALS	TREE	FLOWER/LEAF	R
	Mountain	Black Bear Dragon Fly 		Oak Tree Coulter Pine Cone	5
	Foothills	Burrowing Owl Cottontail Rabbit 		Western Dogwood California Poppy	4
	Desert	California Valley Quail California Bighorn Sheep 		Saguaro Cactus Flowering Cactus	3
	Valley	Tiger Salamander Kit Fox 		Walnut Mustard Grapevine	2
	Redwood Forest	California Red-legged Frog Raccoon 		Redwood Redwood	1
	Rocky Shore	Harbor Seal Salt Marsh Harvest Mouse 		Cypress Kelp (D&T) Cypress Kelp Pod (D&T)	G
	Shallow Water	Sea Star Sand Dollar 		n/a n/a	P1
	Deep Ocean	Dolphin, Shark, Whale, Octopus, Rock Fish 		n/a n/a	P2

← ENTRY

04 | Connected to Place





04 Connected to Place



04 Connected to Place



04 Connected to Place



04 Connected to Place



Building future of healthcare