A THESIS PROJECT BY
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SUPPORTED BY THE AIA/AAH 2010-2011 ARTHUR N. TUTTLE FELLOWSHIP
WINTER
[ 23rd December ]
9 am | 12 am | 4 pm

SPRING | FALL
[ 23rd April | September ]
9 am | 12 am | 4 pm

SUMMER
[ 21st June ]
9 am | 12 am | 4 pm
DEPARTMENTAL COMPARISON

LEVEL 3
- GIVING BIRTH: [Distance emergency walk-in entry] ➞ [cesarean section]
  | 679 feet | 201 m

LEVEL 2
- INPATIENT WITH COMPLICATIONS: [Distance farthest inpatient room] ➞ [operation theatre]
  | 446 feet | 142 m
- VISITOR ON THE WAY TO HIS RELATIVE: [main entry] ➞ [farthest inpatient room]
  | 515 feet | 157 m
- FOOD DELIVERY: [food service] ➞ [farthest inpatient room]
  | 554 feet | 169 m

LEVEL 1
- GIVING BIRTH: [Distance emergency walk-in entry] ➞ [cesarean section]
  | 741 feet | 226 m

LEVEL 0
- INPATIENT WITH COMPLICATIONS: [Distance farthest inpatient room] ➞ [operation theatre]
  | 817 feet | 249 m
- VISITOR ON THE WAY TO HIS RELATIVE: [main entry] ➞ [farthest inpatient room]
  | 417 feet | 127 m
- FOOD DELIVERY: [food service] ➞ [farthest inpatient room]
  | 508 feet | 155 m
Clerestories on ground floor of public space support clinic-without-walls concept. Glass frittings provide privacy and sun control where needed.

Main circulation areas have visual connections to the outside to optimize wayfinding. (Fully glazed on northern facing facades)
CIRCULATION

6 Skylights and Clerestories in Inpatient Staff and Public Areas

5 Shading

- fully glazed, north facing
- clerestories, south facing
Narrow Building Footprint

* 45’-60’ building width
FIRST LEVEL

FAçADE MATRIX

LEVEL 1
M 1: 500
Plan enclosed courtyards provide access to daylight and views to nature for primary staff work stations.

Horizontal shading devices on southern facade reduce glare.
2 Perforated Thick Building Footprint

*15’ x 30’ couryards*
Patent Experience

Overhangs on southern facade provide protection against heat gain and glare.

Plan enclosed courtyards provide access to daylight and views to nature.

Roof Terrace
Inpatient Units
[17th June 15:30]
Sliding shutters on east facing facade provide protection against heat gain and glazing.

Overhang helps to control exposure to sun on southern facade.
4 Courtyards in Inpatient Staff and Public Areas

1 Orientation and Location