Site Analysis

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- الموقعة المشروعة
- يعتبر من أهم أطراف عملية عملية التصميم، فهو
من أهم العوامل المؤثرة على النجاح النهائي.

-تكوين الخصائص (الشكل الظاهري)
- عناصر المثبتة والناجمة تؤثر على حجم المعماري

Design strategies incorporate garden spaces at every level
of the 11-story nursing
tower, and utilize green-roof
technology that extends the
landscape and improves
views from the patient
rooms. – See more at:
http://www.bdcnetwork.com/12-award-
winning-healthcare-projects-
slideshowwkeذاغs2002015.dpdf

CO Architects - See more at:
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the main visual characteristics
and its surroundings
the site itself

- Climate
- Vegetation
- Slope

- History
- Building regulations
- Site
- Accessibility

Analysis Checklist

- Visual and physical barrier
- Visual barrier
- Clear and direct link
- Open up view

Site Analysis Example

Design Decisions

Massing Diagram - 250-bed Future Hospital

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Design Decisions
Modular Planning

Modular Planning

University of Minnesota Amplatz Children’s Hospital

a standardized typical planning module to organize a flexible structure that can adapt to future needs
EXAMPLE OF UNIVERSAL ACUITY PATIENT ROOM

1. E-F Opening
2. Staff Zone
3. Staff Closet
4. Supply Storage
5. Sink / Storage
6. Equipment Storage
7. Equipment Area
8. Sink Area
9. Patient Necessities
10. IV Stand Stanchion
11. Supply / Equipment Stanchion
12. Accessible Toilet / Shower
13. Family Zone
14. Family Desk
15. Sleep Area
EXAMPLES OF INPATIENT NURSING UNIT CONFIGURATIONS

La Spezia hospital

St. Vincent's Medical Center

 staff lounge were planned to promote convenience and to minimize staff travel distances for Community Hospice staff.

Final layout of 10-bed hospice unit
This medical unit spaghetti diagram, based on an eight-hour nurse shadowing exercise, shows that staff utilized the medication rooms and central staff work area as travel routes due to a lack of circulation paths through the core of the nursing unit.
Delta Medical Centre

Optimum building orientation and careful glazing strategies promote a sustainable healing environment.