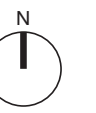
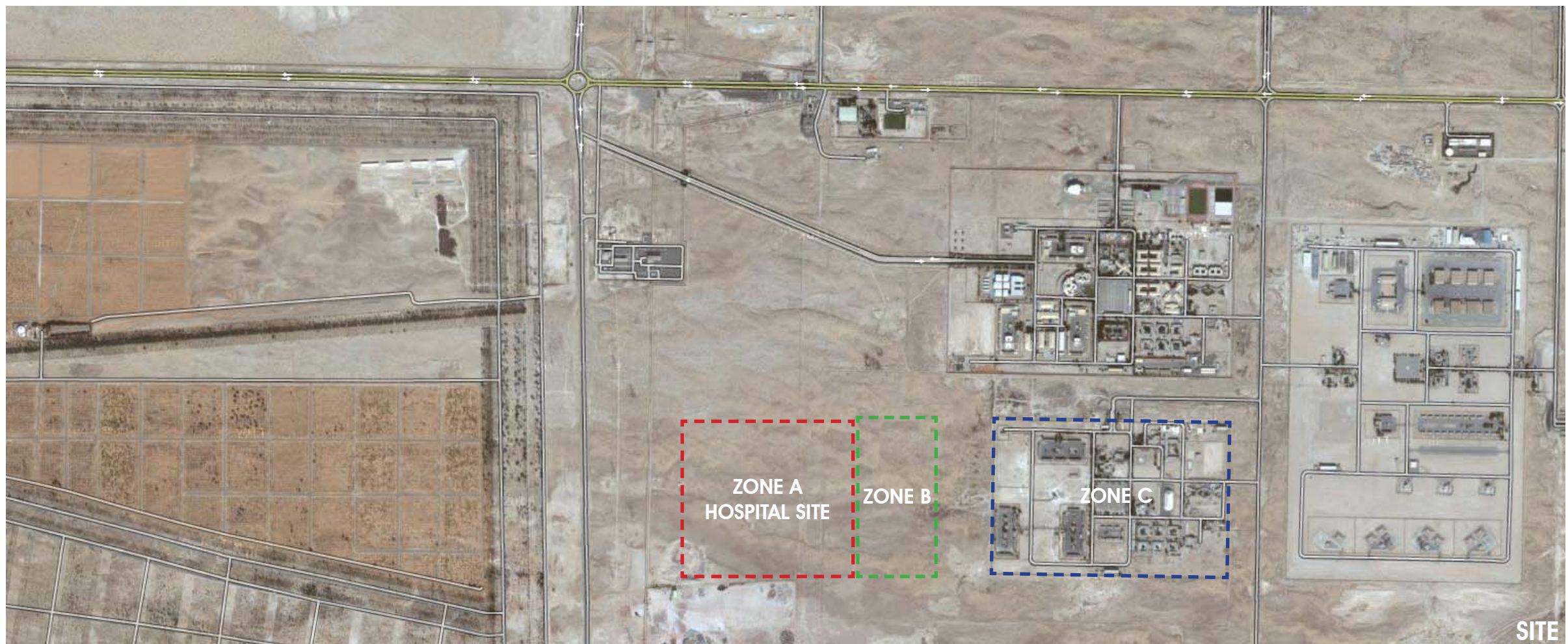
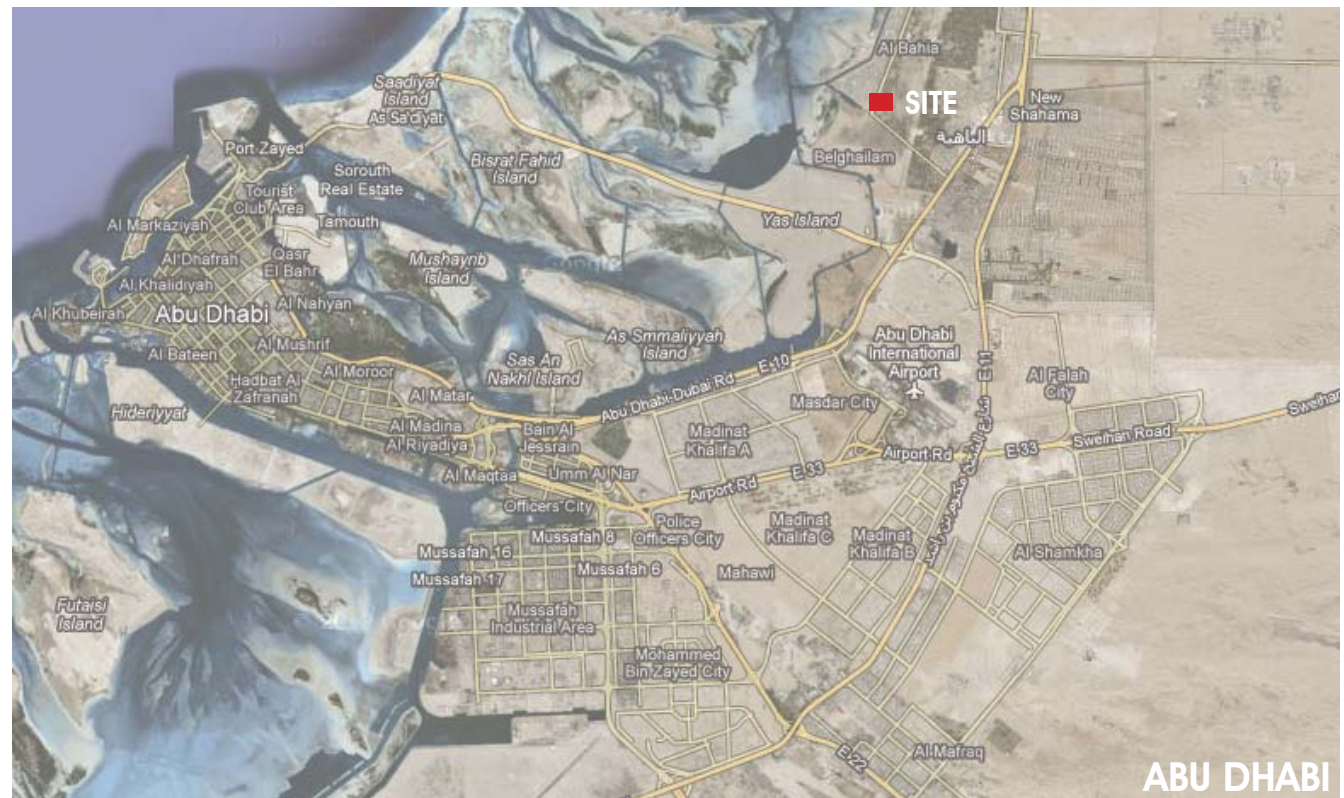
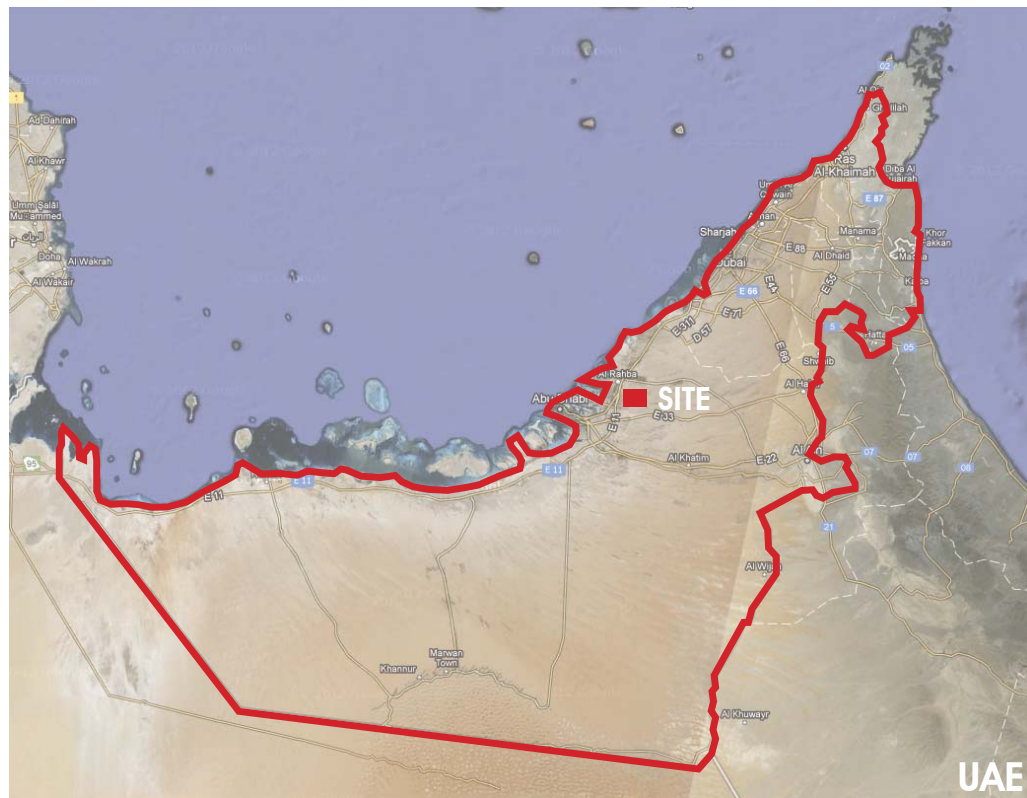


ZAYED MILITARY HOSPITAL

Abu Dhabi, United Arab Emirates
Revised Concept Design Submittal
10 June 2012



PROJECT LOCATION



Zayed Military Hospital

10 June 2012

Revised Concept Design Submission

LEO A DALY **Q37**



MILITARY HOSPITAL ZONES



Zayed Military Hospital

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LEO A DALY **ae7**



WADI
260 BED HOSPITAL

- 1A** HOSPITAL
- 1B** OUTPATIENT CLINIC
- 1C** CENTRAL UTILITY PLANT
- 1D** MILITARY POLICE FACILITIES
- 1E** MASJID (MOSQUE)
- 1F** FEMALE DORMITORY
- 1G** ED DROP OFF

- 1H** VISITOR PARKING
- 1I** STAFF AND ED PARKING
- 1J** HELIPAD
- 2** HOSPITAL EXPANSION
- 3** CLINIC EXPANSION
- 4** FUTURE HOSPICE



WADI_SUMMARY



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WADI_SITE PLAN



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WADI_EYE LEVEL VIEW



Zayed Military Hospital

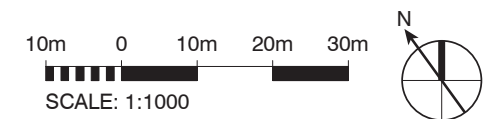
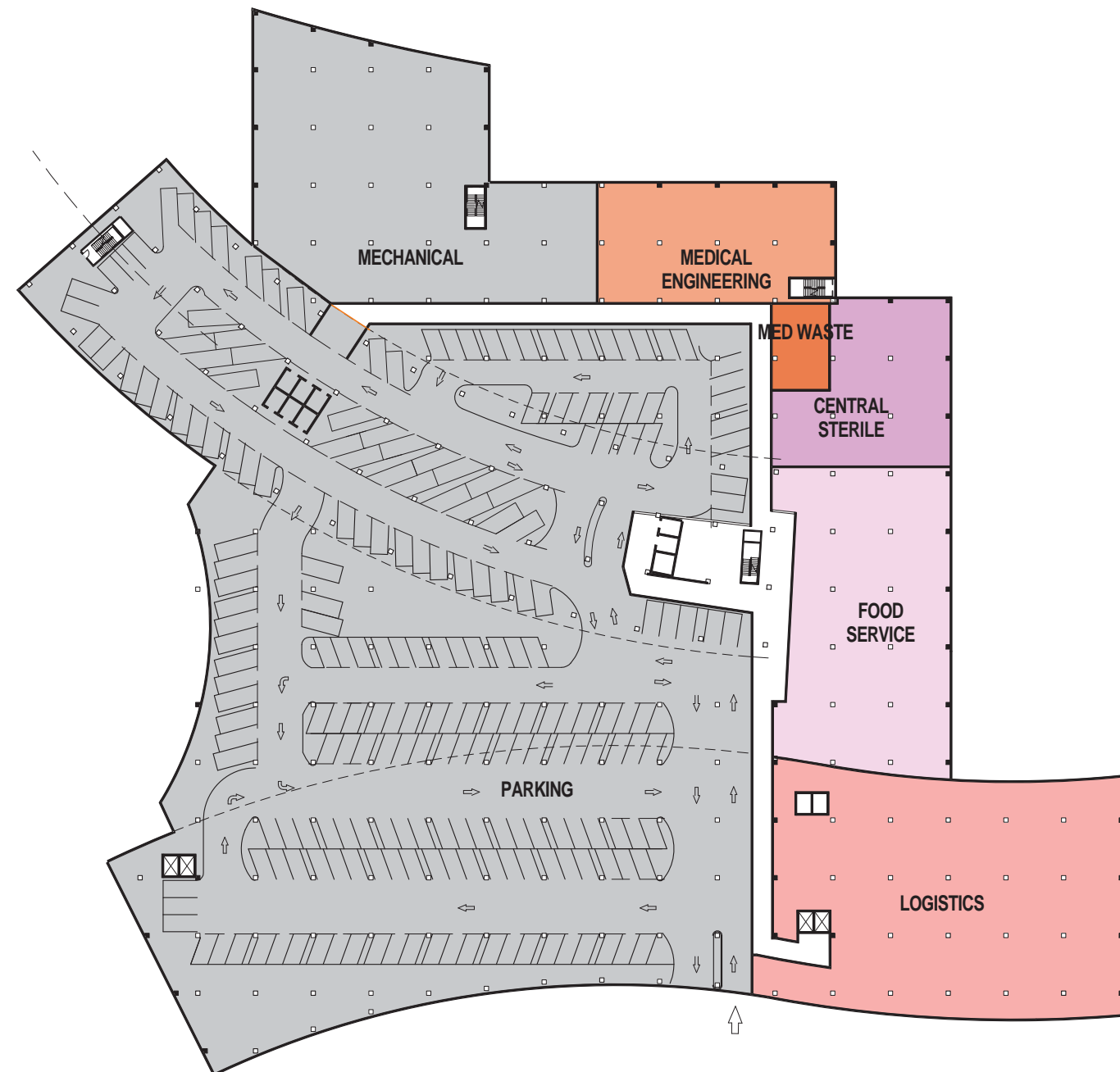
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LEGEND

- Central Sterile
- Food Service
- Logistics
- Mechanical
- Medical Engineering
- Medical Waste
- 200 Car Park



WADI LEVEL B



Zayed Military Hospital

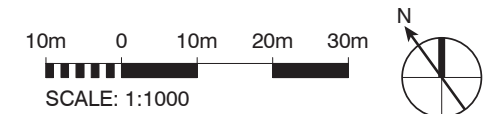
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LEO A DALY

LEGEND

- Common Areas
- Doctors On Call
- Emergency
- Family Medicine Clinic
- Medical Admin
- Mental Health
- Ortho/POD/Chiro
- Pharmacy
- Physical Therapy
- Psychiatric Center
- Radiology
- Specialty Med Clinics



WADI_LEVEL G



Zayed Military Hospital

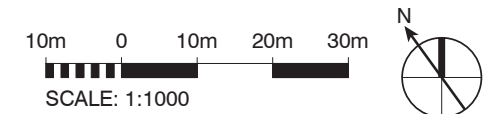
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LEO A DALY

LEGEND

- Acuity Adaptable
- Cardiac Care Unit
- Cardiology
- ENT/Audio
- Gen & Spec Surg Clinics
- General ICU
- Info Management
- Ophthalmology
- Pathology
- Pulmonary
- Surgery
- Urology



WADI_LEVEL 1



Zayed Military Hospital

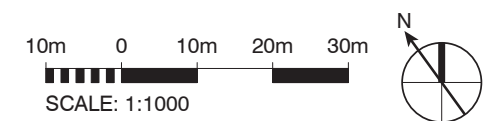
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LEO A DALY

LEGEND

- Command/Admin
- Dental Clinic
- Education and Training
- Mechanical



WADI LEVEL 2






Zayed Military Hospital

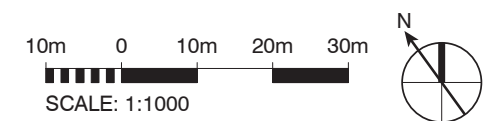
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LEO A DALY

LEGEND

-  Burn ICU
-  Burn ICU Support
-  Gen Surgery Unit



WADI_LEVEL 3



Zayed Military Hospital

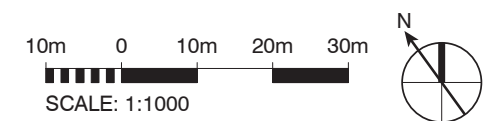
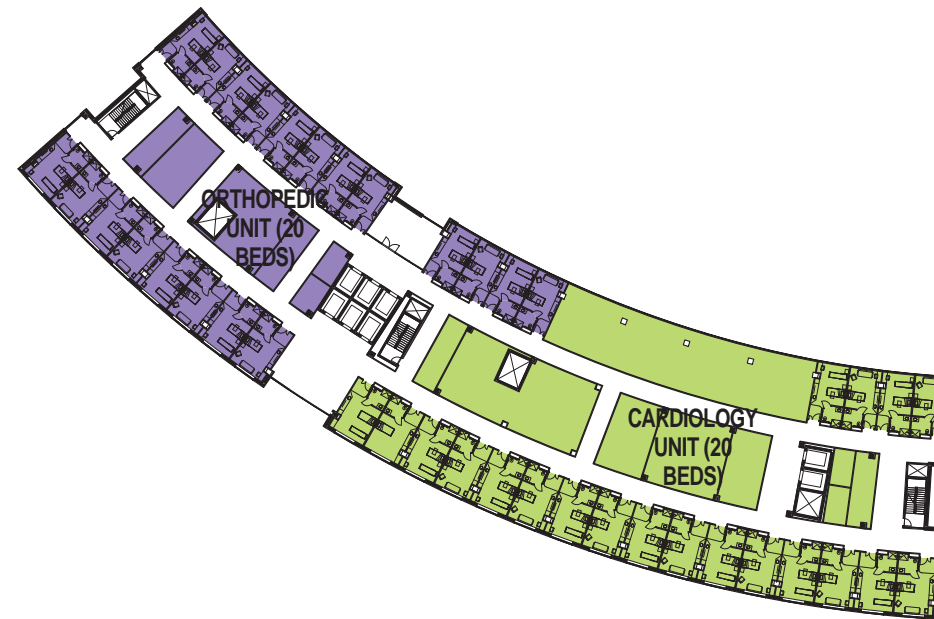
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LEO A DALY 

LEGEND

-  Cardiology Unit
-  Orthopedic Unit



WADI LEVEL 4



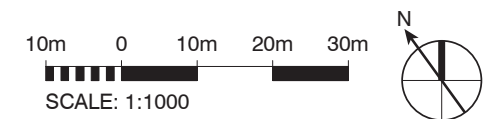
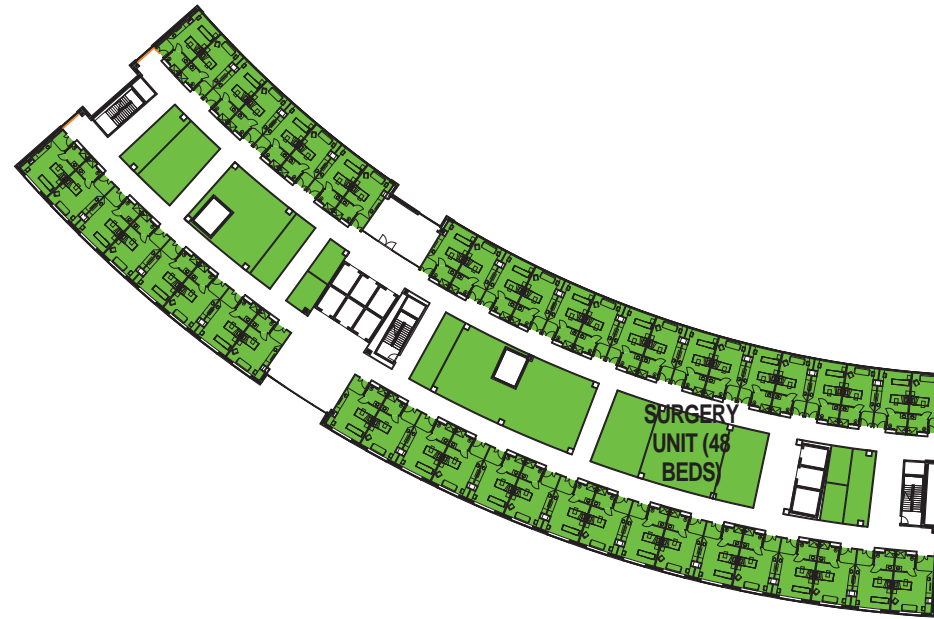
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LEO A DALY 

LEGEND

 Surgery Unit



WADI LEVEL 5



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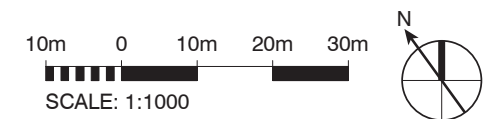
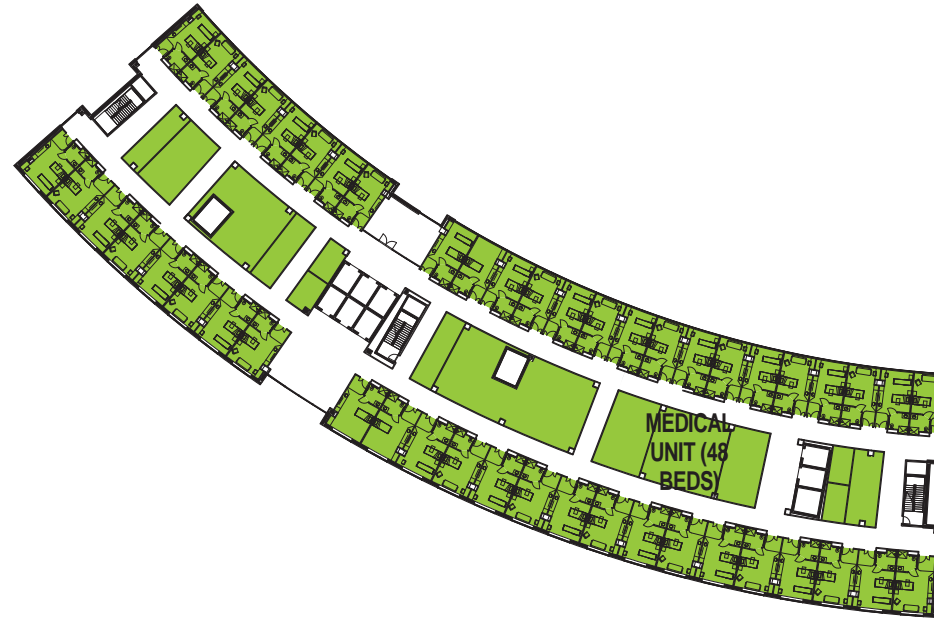
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LEO A DALY 

LEGEND

 Medical Unit



WADI LEVEL 6



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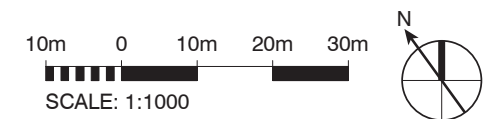
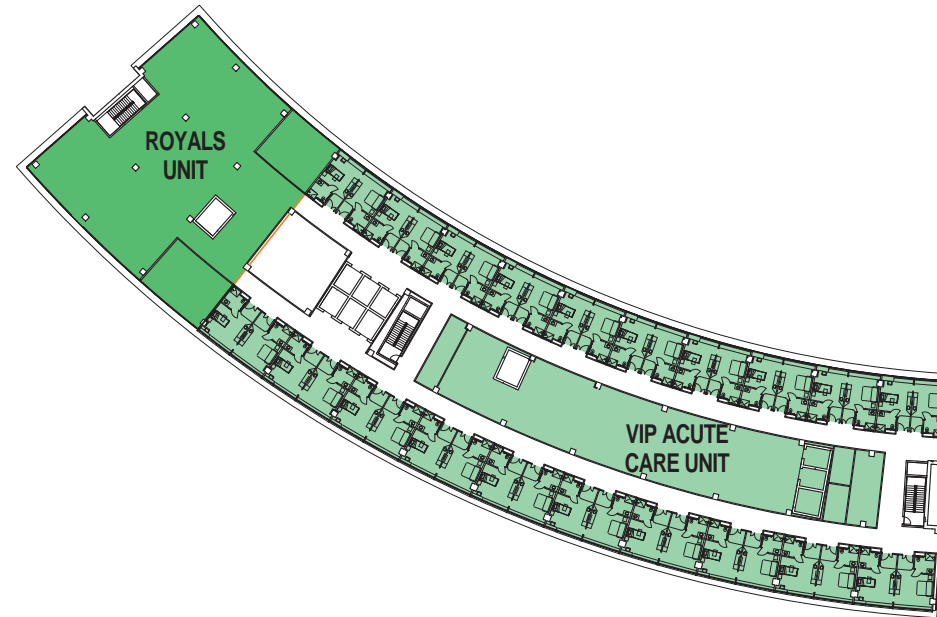
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LEO A DALY 

LEGEND

-  Royals Unit
-  VIP Acute Care Unit



WADI_LEVEL 7



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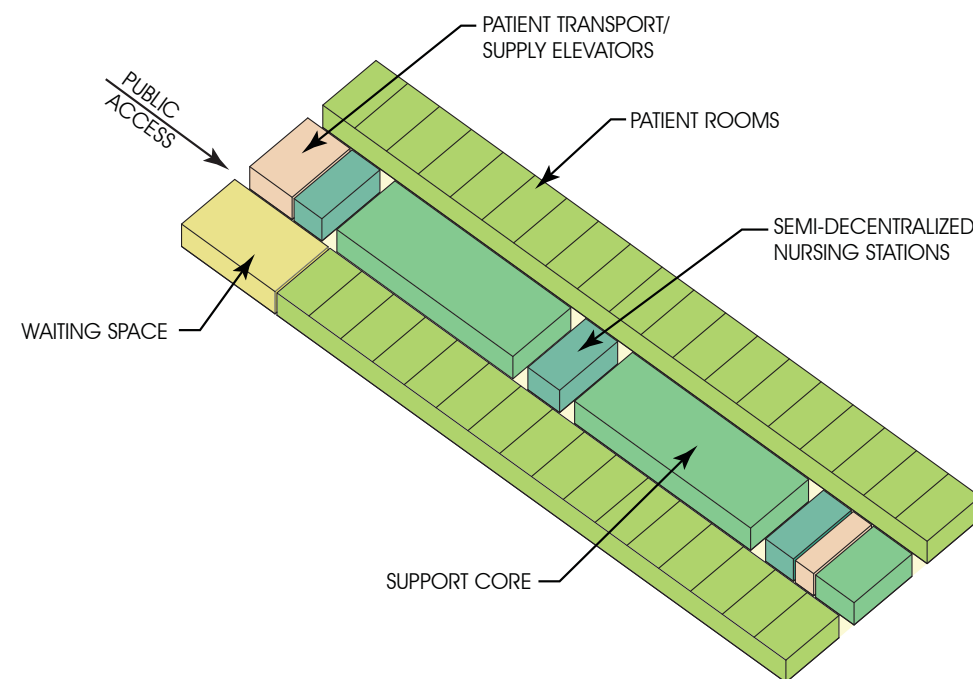
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LEO A DALY 



Primary Building (BGSM):

Hospital/ Clinic	66,096
Central Utility Plant	2,313
Security Bldgs	280
Masjid (Mosque)	1,200
Female Accommodation	11,196
Total Building Area:	81,085



Typical Inpatient Unit Diagram

PROJECT SCOPE OVERVIEW



Zayed Military Hospital

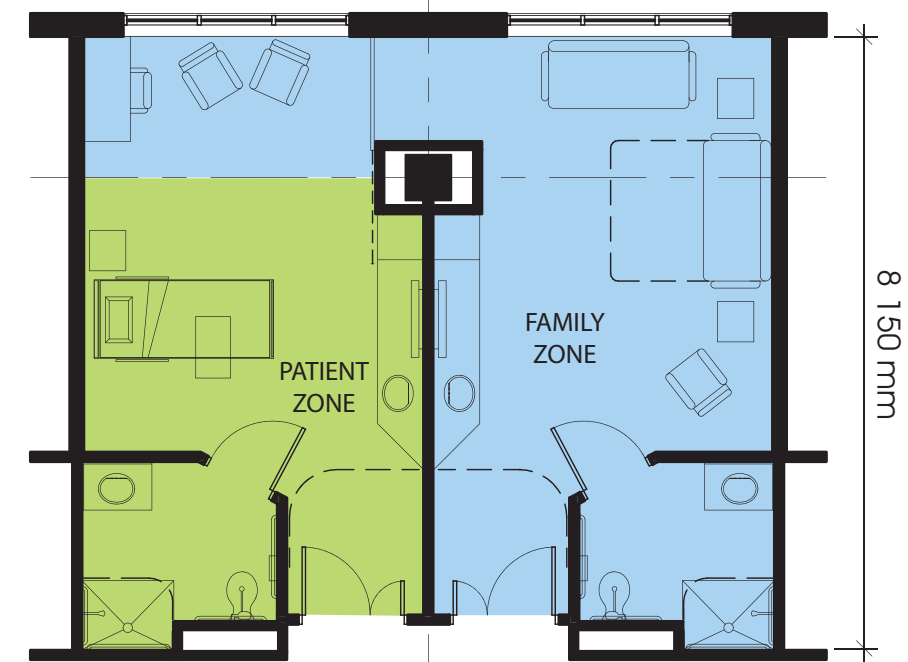
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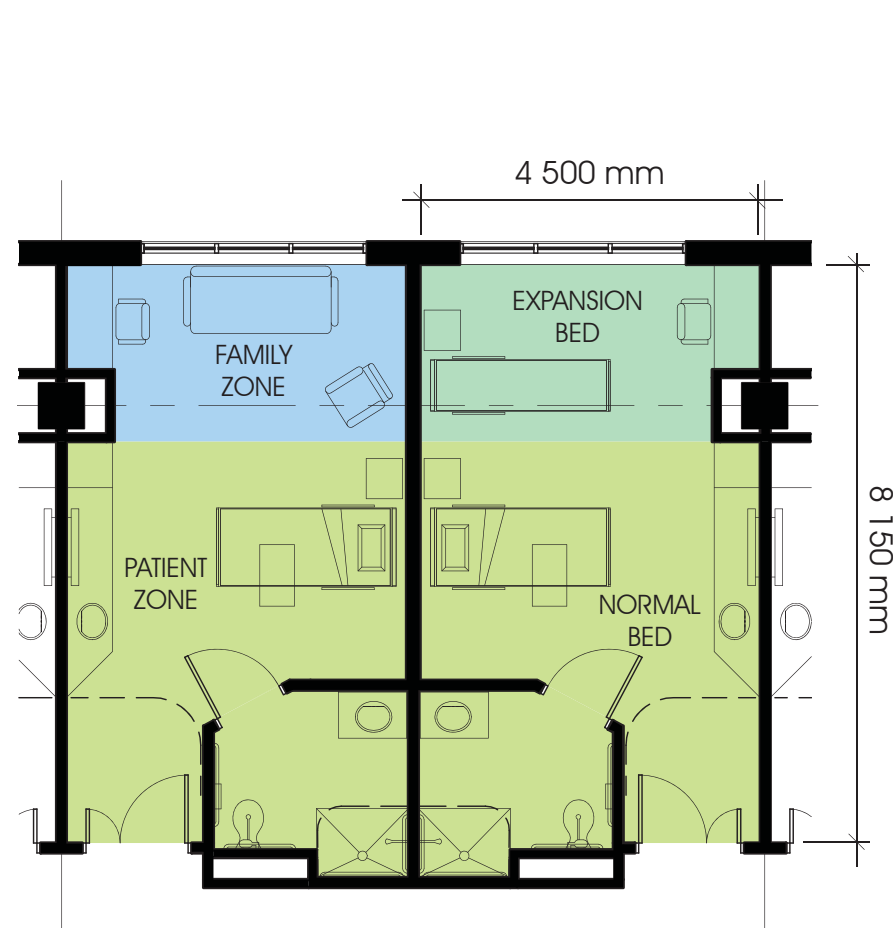
LEO A DALY



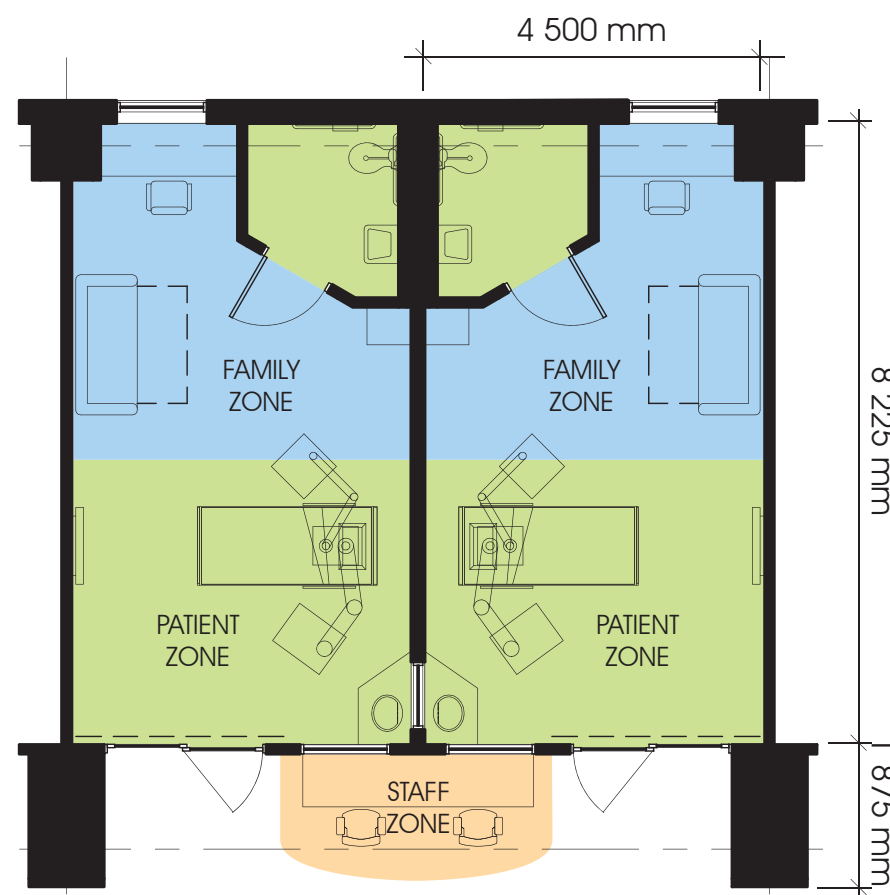
Royal's Suite 141 SM



VIP Suite 63 SM



Patient Room 34 SM



ICU Room 36 SM

Inpatient Beds:

Royal	2
VIP	20
ICU/CCU	30
Acuity Adaptable	18
Medical	48
Surgical	48
Cardiology	20
Psych/Addiction	30
Burn ICU	10
Rehab	14
Orthopedic	20
Total Beds:	260

1m 0 1m 2m 3m
SCALE: 1:100

PROJECT SCOPE OVERVIEW



Zayed Military Hospital

10 June 2012

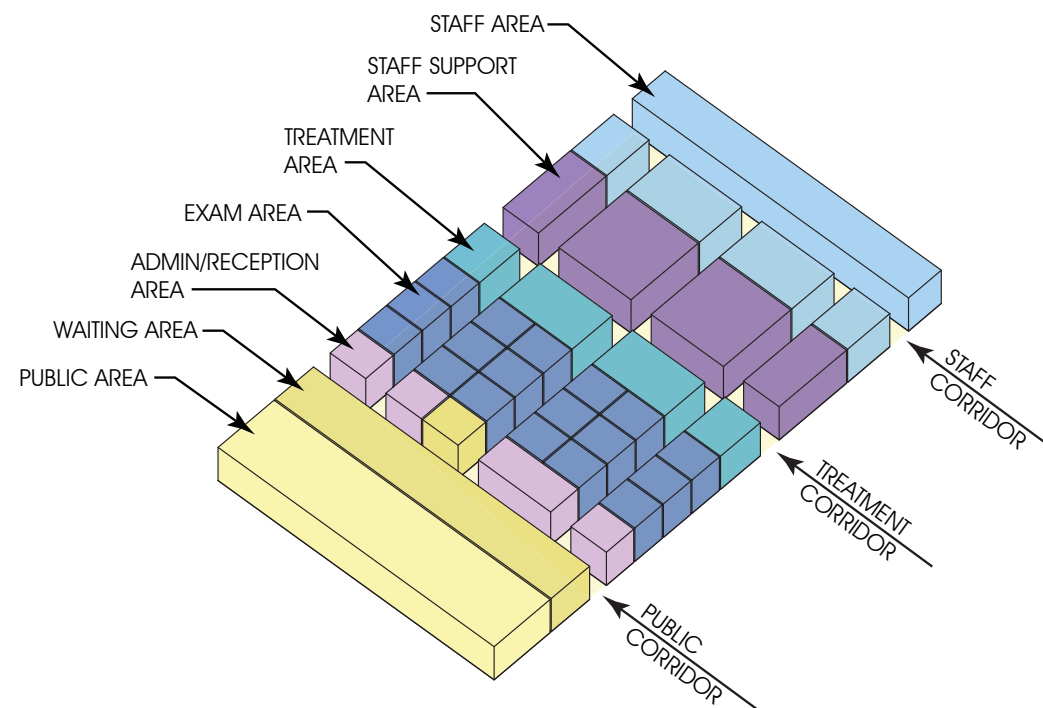
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Other Metrics:

Operating Rooms	10
ED Treatment Spaces	24
Rad Exposure Rooms	17
Cardiac Cath Labs	2
Dental Treatment Rooms	12
Exam/Consult Rooms	130
Treatment/Minor Proc Rms	28
Isolation Beds	30 of 260
On-Call Rooms	15
Female Accommodation Beds	290



Typical Clinic/Exam Unit Diagram

PROJECT SCOPE OVERVIEW



Zayed Military Hospital

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LEO A DALY



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LEO A DALY **Q37**

Hospital Cost Summary					
DEPARTMENT	Beds	PROPOSED SM	AED/SM	COST	%
ACUITY ADAPTABLE UNIT	18	1,374.00	6500	8,931,000	2.12%
BURN INTENSIVE CARE UNIT	10	1,039.68	7500	7,797,600	1.85%
BURN INTENSIVE CARE UNIT SUPPORT AREAS		1,027.50	7500	7,706,250	1.83%
CARDIAC CARE UNIT (CCU)	12	1,318.68	7500	9,890,100	2.35%
CARDIOLOGY CLINIC		667.82	6500	4,340,817	1.03%
CARDIOLOGY UNIT (reduced)	20	1,643.50	7000	11,504,500	2.74%
CENTRAL STERILE SUPPLY DEPARTMENT		589.50	7000	4,126,486	0.98%
COMMON AREAS		2,172.31	6500	14,120,028	3.36%
DENTAL CLINIC (reduced)		784.00	6500	5,096,000	1.21%
DOCTOR'S ON-CALL		599.41	6000	3,596,481	0.86%
EDUCATION AND TRAINING		565.11	4500	2,543,013	0.60%
EMERGENCY DEPARTMENT		1,058.25	7000	7,407,761	1.76%
ENT/AUDIOLOGY		385.92	6500	2,508,509	0.60%
FACILITY & MATERIALS MANAGEMENT		1,924.21	5000	9,621,063	2.29%
FAMILY MEDICINE CLINIC (added)		727.54	6500	4,729,010	1.12%
FOOD SERVICE		1,130.96	6500	7,351,256	1.75%
GENERAL & SPECIALTY SURGICAL CLINICS		888.65	6500	5,776,232	1.37%
GENERAL INTENSIVE CARE UNIT	18	1,821.36	7500	13,660,200	3.25%
GENERAL SURGERY UNIT (increased)	48	3,157.63	7000	22,103,393	5.26%
MEDICAL UNIT (increased)	48	3,157.63	7000	22,103,393	5.26%
MEDICAL WASTE		120.87	4900	592,263	0.14%
MENTAL HEALTH		584.93	6500	3,802,032	0.90%
PRAYER AREA		91.97	6000	551,826	0.13%
OPHTHALMOLOGY/OPTOMETRY CLINIC		920.15	6500	5,980,952	1.42%
ORTHO/POD/CHIRO/SPORTS MED		544.28	6500	3,537,817	0.84%
ORTHOPEDIC UNIT (added)	20	1,386.50	7000	9,705,500	2.31%
PATHOLOGY		1,644.76	6500	10,690,956	2.54%
PEDIATRIC UNIT (Deleted)					
PEDIATRICS & PEDIATRIC SURGERY (Moved to Family Medicine Clinic)					
PHARMACY		718.88	5000	3,594,375	0.86%
PHYSICAL THERAPY		1,008.15	5500	5,544,825	1.32%
PSYCHIATRIC CENTER	30	1,886.49	7000	13,205,430	3.14%
PULMONARY CLINIC		368.02	6500	2,392,153	0.57%
RADIOLOGY		2,126.27	8000	17,010,120	4.05%
REHAB UNIT (added)	14	1,106.50	7000	7,745,500	1.84%
ROYALS UNIT (increased size)	2	815.57	8000	6,524,520	1.55%
SPECIALTY MEDICAL CLINICS		2,367.40	6500	15,388,103	3.66%
SURGERY (increased OT rooms and Same Day Surgery space)		3,291.29	7500	24,684,660	5.87%
UROLOGY CLINIC		423.59	6500	2,753,332	0.65%
VIP ACUTE CARE UNIT (increased)	20	2,581.53	8000	20,652,240	4.91%
WOMEN'S HEALTH (GYNECOLOGY) (Moved to Family Medicine Clinic)					
Hospital/Clinic Subtotal:	260	48,020.81		329,269,694	78.33%

Hospital Cost Summary					
DEPARTMENT	Beds	PROPOSED SM	AED/SM	COST	%
COMMAND/ADMINISTRATION		861.50	5500	4,738,264	1.13%
INFORMATION MANAGEMENT		60.18	5500	331,007	0.08%
MEDICAL ADMINISTRATION		567.84	5000	2,839,185	0.68%
Admin Subtotal:		1,489.52		7,908,455	1.88%
Hospital/Clinic/Admin Subtotal:		49,510.33		337,178,149	80.21%
Building Foyer:		2,970.62	6500	19,309,028	4.59%
Circulation		4,951.03	5000	24,755,165	5.89%
MEP Inside		8,664.31	4500	38,989,384	9.28%
MEP Outside (See Central Utility Plant)					
Total:		66,096.29	6358	420,231,726	
Total (Rounded):		66,096.00	6360	420,370,560	



Hospital Cost Summary

DEPARTMENT	Beds	PROPOSED SM	AED/SM	COST	%
A Bed Tower					
ACUITY ADAPTABLE UNIT	18	1,374.00	6500	8,931,000	2.12%
BURN INTENSIVE CARE UNIT	10	1,039.68	7500	7,797,600	1.85%
CARDIAC CARE UNIT (CCU)	12	1,318.68	7500	9,890,100	2.35%
CARDIOLOGY UNIT	20	1,643.50	7000	11,504,500	2.74%
GENERAL INTENSIVE CARE UNIT	18	1,821.36	7500	13,660,200	3.25%
GENERAL SURGERY UNIT	48	3,157.63	7000	22,103,410	5.26%
MEDICAL UNIT	48	3,157.63	7000	22,103,410	5.26%
PSYCHIATRIC CENTER	30	1,886.49	7000	13,205,430	3.14%
ORTHOPEDIC UNIT	20	1,386.50	7000	9,705,500	2.31%
REHAB UNIT	14	1,106.50	7000	7,745,500	1.84%
ROYALS UNIT	2	815.57	8000	6,524,560	1.55%
VIP ACUTE CARE UNIT	20	2,581.53	8000	20,652,240	4.91%
Bed Tower TOTAL	260	21,289.07		153,823,450	36.59%

B Medical Related Spaces and Clinics					
BURN INTENSIVE CARE UNIT SUPPORT AREAS		1,027.50	7500	7,706,250	1.83%
CARDIOLOGY CLINIC		667.82	6500	4,340,817	1.03%
CENTRAL STERILE SUPPLY DEPARTMENT		589.50	7000	4,126,486	0.98%
COMMON AREAS		2,172.31	6500	14,120,028	3.36%
DENTAL CLINIC		784.00	6500	5,096,000	1.21%
DOCTOR'S ON-CALL		599.41	6000	3,596,481	0.86%
EDUCATION AND TRAINING		565.11	4500	2,543,013	0.60%
EMERGENCY DEPARTMENT		1,058.25	7000	7,407,761	1.76%
ENT/AUDIOLOGY		385.92	6500	2,508,509	0.60%
FACILITY & MATERIALS MANAGEMENT		1,924.21	5000	9,621,063	2.29%
FAMILY MEDICINE CLINIC		727.54	6500	4,729,010	1.12%
FOOD SERVICE		1,130.96	6500	7,351,256	1.75%
GENERAL & SPECIALTY SURGICAL CLINICS		888.65	6500	5,776,232	1.37%
MEDICAL WASTE		120.87	4900	592,263	0.14%
MENTAL HEALTH		584.93	6500	3,802,032	0.90%
PRAYER AREA		91.97	6000	551,826	0.13%
OPHTHALMOLOGY/OPTOMETRY CLINIC		920.15	6500	5,980,952	1.42%
ORTHO/POD/CHIRO/SPORTS MED		544.28	6500	3,537,817	0.84%
PATHOLOGY		1,644.76	6500	10,690,956	2.54%
PHARMACY		718.88	5000	3,594,375	0.86%
PHYSICAL THERAPY		1,008.15	5500	5,544,825	1.32%
PULMONARY CLINIC		368.02	6500	2,392,153	0.57%
RADIOLOGY		2,126.27	8000	17,010,120	4.05%
SPECIALTY MEDICAL CLINICS		2,367.40	6500	15,388,103	3.66%
SURGERY		3,291.29	7500	24,684,675	5.87%
UROLOGY		423.59	6500	2,753,332	0.65%
Medical Related Spaces and Clinics		26,731.75		175,446,334	41.74%

Hospital Cost Summary

DEPARTMENT	Beds	PROPOSED SM	AED/SM	COST	%
C Admin and Service Spaces					
COMMAND/ADMINISTRATION		861.50	5500	4,738,264	1.13%
INFORMATION MANAGEMENT		60.18	5500	331,007	0.08%
MEDICAL ADMINISTRATION		567.84	5000	2,839,185	0.68%
Building Foyer		2,970.59	6500	19,308,835	4.61%
Circulation		4,950.99	5000	24,754,950	5.91%
MEP Inside		8,664.22	4500	38,988,990	9.31%
Admin Subtotal:		18,075.32		90,961,230	21.71%
Hospital/Clinic/Admin Subtotal:		66,096.14	6358	420,231,014	99.97%
Total (Rounded) Hospital/Clinics/Admin:		66,096.00	6360	420,370,560	99.97%
D Other Buildings On Site					
MEP Outside (Central Utility Plant)		2,313	20,900	48,337,938	
Military Police Facilities		280	4,200	1,177,176	
Mosque		1,200	6,600	7,920,000	
Female Students, Nurses, Doctors Dormitory		11,196	4,950	55,420,200	
TOTAL		14,989		112,855,314	
Total Hospital And other Buildings		81,085.00		533,225,874	
E External Works, Services, Landscaping and Underground Carpark					
				120,430,000	
TOTAL				653,655,874	

Note: Estimate does not include contingency or medical equipment.



Zayed Military Hospital

10 June 2012

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COST ESTIMATE

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