26

[redacted] (GBR)

From: [redacted] (USA)
Sent: Sunday, January 11, 2004 11:30 AM
To: [redacted] (GBR)
Subject: FW:

2

[redacted]
LT SC USNR
Ordering Officer
CPA South
Basrah, Iraq
Mobile: [redacted]

-----Original Message-----
From: [redacted]
Sent: Saturday, January 10, 2004 12:34 PM
To: [redacted] USA)
Subject:

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Yard & Compound security

US $1,036,134

CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)

CPA PROJECT NUMBER:

CPA PROJECT TITLE: **Yard and compound Security**

BID ITEMS

1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM	2900	120.00	348000
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM	5520	60.00	331200
		Install steel dig plates	1 meter high	LM	1840	40.00	73600
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each	3	1200.00	3600
		Man "Sally Port"		Each	6	350.00	2100
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)					0
		Complete structural concrete guard tower with steel roofing		Each	8	5000.00	40000

2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM	2000	7.00	14000
	2.5	Replace asphalt pavements or walkways		SM	220	25.00	5500
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)					0
		Construct concrete entry steps		Each			0
		Construct concrete entry ramp		Each			0

3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM			0
	3.2	Remove and dispose damaged floor coverings		SM			0
	3.3	Install new floor coverings		SM			0

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	3.4	Repair structurally damaged floor slabs		SM			0
	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM			0
		Install stairway railing		LM			0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM			0
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM			0
	4.5	Build new masonry wall with mortar/plaster finish		SM			0
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the apace below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM			0
		Install suspended ceiling		SM			0
		Remove suspended ceiling		SM			0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM			0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM			0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each			0
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each			0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each			0
		Steel double door		Each			0
		High security steel bars		Each			0
	6.4	Install new steel door frame (specify size)		Each			0
		Steel double door frame		Each			0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each			0
		Lock set for high security steel bars door		Each			0

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		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			
		Bathroom stall door		Each			0
	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each			0
		Frame only		Each			0
	6.9	Install steel security bars (burglar bars) on window		Each			
		High security steel bars		Each			0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each			0
	7.3	Install new wall switch		Each			
	7.4	Install new flourescent light fixture		Each			224
		Install nightlights		Each			0
	7.5	Install new ceiling fan		Each			140
	7.6	Install new telephone cable (single pair)		Each	2100	10.00	20
	7.7	Install new telephone jack and/or alarm jack		Each			0
	7.8	Install new circuit breaker (specify type and capacity)		Each			0
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each			300
	7.10	Install new isolation switch (specify type and capacity)		Each			0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM	2100	70.00	147000
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each	12	250.00	3000
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each	116	200.00	23200
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each			0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0

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	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	9.1	Install new Eastern style toilet		Each			1400
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each			0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	1270	20.00	25400
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each	5	1000.00	5000
		Remove existing septic tanks and manholes		Each	13	750.00	9750
	9.7	Install new porcelain sink with shut-off valves		Each			0
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM	180	15.00	2700
	9.9	Install new main shut-off valve		Each			0
	9.10	Install backflow prevention valve		Each			0
	9.11	Install new plastic water tanks		Each			0
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each			0
		Water pump		Each			0
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each			0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						
Estimated BID PRICE:				**1036134**			

CPA CONTRUCTION PROJECT BID SHEET

Basrah Central Prison
Interior Electrical Load Estimate

			INTERIOR PRISONER LIGHTING		INTERIOR WORKSPACE LIGHTING			OTHER ELECTRICAL LOADS							
			ITEM-1		ITEM-3	ITEM-4	ITEM-5	ITEM-6	ITEM-7	ITEM-8	ITEM-9	ITEM-10			
			Ceiling Light with Protective Grill	Night Light with Protective Grill	Ceiling Light (Hallways)	Ceiling Light (Workspace)	Ceiling Fan with Protective Grill	Ceiling Fan	13 Amp Outlets	15 Amp Outlets for Window A/C Units	1-Hp Water Pump	Refridgerator			
		Maximum Wattage	40	15	40	40	75	75	3,120	3,600	750	75			
		Maximum Amperes	0.2	0.1	0.2	0.2	0.3	0.3	13.0	15.0	3.0	0.3	Bldg Total Maximum Wattage	Bldg Total Maximum Amps	Design Load Wattage (Note-1)
Building #	Building	SF													
A-Wing (Prisoner Detention)			# Of Lights	# Of Lights	# Of Lights	# Of Lights	# of Fans	# of Fans	# of Outlets	# of Outlets	# of Pumps	# of Refridgerators			
1	#A1	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
2	#A1 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
3	#A2	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
4	#A2 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
5	#A3	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
6	#A3 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
7	#A4	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
8	#A4 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
9	A Bathroom 1	650	7	7	0	0	3	0	0	0	1	0	1,108	5	433
10	A Bathroom 2	650	13	7	0	0	3	0	0	0	1	0	1,368	6	593
	SUBTOTAL	**16,700**	**164**	**157**	**0**	**0**	**79**	**0**	**8**	**8**	**6**	**0**	**67,155**	**280**	**41,965**
B-Wing (Prisoner Detention)															
11	#B1	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
12	#B1 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
13	#B2	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
14	#B2 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
15	#B3	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
16	#B3 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
17	#B4	3,360	34	34	0	0	17	0	0	0	1	0	2,598	11	1,923
18	#B4 Guard	240	2	2	0	0	1	0	2	2	0	0	13,572	57	8,292
19	B Bathroom 1	650	7	7	0	0	3	0	0	0	1	0	1,108	5	433
20	B Bathroom 2	650	7	7	0	0	3	0	0	0	1	0	1,108	5	433
	SUBTOTAL	**16,700**	**167**	**157**	**0**	**0**	**79**	**0**	**8**	**8**	**6**	**0**	**66,895**	**279**	**41,725**
C-Wing (Prisoner Detention)															
21	#C1	3,570	36	36	13	0	18	0	0	0	1	0	3,234	13	2,559
22	#C2	3,570	36	36	13	0	18	0	0	0	1	0	3,234	13	2,559
23	#C3	3,570	36	36	13	0	18	0	0	0	1	0	3,234	13	2,559
24	C Bathroom	650	7	7	0	0	3	0	0	0	1	0	1,108	5	433
	SUBTOTAL	**11,360**	**114**	**114**	**39**	**0**	**57**	**0**	**0**	**0**	**4**	**0**	**10,809**	**45**	**8,105**
Juvenile Wing (Prisoner Detention)															
25	Juvenile Bldg	2,090	21	9	0	0	10	0	0	0	1	0	1,721	7	1,046
	SUBTOTAL	**2,090**	**21**	**9**	**0**	**0**	**10**	**0**	**0**	**0**	**1**	**0**	**1,721**	**7**	**1,046**
Female Wing (Prisoner Detention)															
26	Female Bldg	920	9	3	0	0	5	0	0	0	1	0	1,163	5	488
	Guard Room	180	4	0	0	4	1	0	2	1	0		10,128	42	5,928
	SUBTOTAL	**1,100**	**13**	**3**	**0**	**4**	**6**	**0**	**2**	**1**	**1**	**0**	**11,291**	**47**	**6,416**
Segregation Wing (Prisoner Detention)															
27	Segregation Bldg	2,300	23	18	0	0	12	0	0	0	1	0	1,940	8	1,265
	SUBTOTAL	**2,300**	**23**	**18**	**0**	**0**	**12**	**0**	**0**	**0**	**1**	**0**	**1,940**	**8**	**1,265**
Staff / Support Wing															
28	Visitor's Center	4,050	0	0	0	41	0	20	6	0	1	0	**22,609**	**94**	12,574
29	Reception Bldg	3,760	0	0	10	38	0	16	18	0	1	1	**60,014**	**260**	31,259
30	Administration Building	1,600	0	0	0	16	0	7	7	1	1	1	**27,519**	**116**	14,835
31	Medical Center	4,030	0	0	0	40	0	20	12	12	1	2	**84,663**	**353**	52,308
32	Staff and Regional HQ	3,890	0	0	9	40	0	11	20	10	1	1	**102,606**	**425**	59,331
33	Kitchen and Rec Hall	6,190	0	0	0	62	0	31	4	10	1	4	**54,327**	**226**	36,612
34	Guard House	300	0	0	0	3	0	2	1	1	0	0	**6,990**	**29**	4,350

Basrah Central Prison
Interior Electrical Load Estimate

			INTERIOR PRISONER LIGHTING		INTERIOR WORKSPACE LIGHTING			OTHER ELECTRICAL LOADS							
			ITEM-1		ITEM-3	ITEM-4	ITEM-5	ITEM-6	ITEM-7	ITEM-8	ITEM-9	ITEM-10			
			Ceiling Light with Protective Grill	Night Light with Protective Grill	Ceiling Light (Hallways)	Ceiling Light (Workspace)	Ceiling Fan with Protective Grill	Ceiling Fan	13 Amp Outlets	16 Amp Outlets for Window A/C Units	1-Hp Water Pump	Refridgerator			
		Maximum Wattage	40	16	40	40	75	75	3,120	3,600	750	75			
		Maximum Amperes	0.2	0.1	0.2	0.2	0.3	0.3	13.0	15.0	3.0	0.3	Bldg Total Maximum Wattage	Bldg Total Maximum Amps	Design Load Wattage (Note-1)
Building #	Building	SF													
35	Generator and Water Tank Bldg	860	0	0	0	9	0	0	1	0	1	0	4,214	16	1,979
36	Entrance Guard House 1	280	0	0	0	3	0	2	1	1	0	0	6,582	29	4,342
37	Entrance Guard House 2	280	0	0	0	3	0	2	1	1	0	0	6,582	29	4,342
	SUBTOTAL	25,540	0	0	19	255	0	110	71	36	7	9	378,297	1,668	221,932
	Guard Tower 1		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 2		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 3		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 4		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 5		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 6		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 7		0	0	0	0	0	0	0	0	0	0	0	0	0
	Guard Tower 8		0	0	0	0	0	0	0	0	0	0	0	0	0
	SUBTOTAL		0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL	73,796	491	458	58	259	241	110	89	53	26	9	536,107	2,234	322,477

Note-1 Design Load (wattage) is based on the assumption that the facilty will not be consuming the maximum total load at all times. The assumptions are as follows:

ITEM-1	Design Load = 100% of maximum load
ITEM-2	Design Load = 100% of maximum load
ITEM-3	Design Load = 100% of maximum load
ITEM-4	Design Load = 100% of maximum load
ITEM-5	Design Load = 100% of maximum load
ITEM-6	Design Load = 50% of maximum load
ITEM-7	Design Load = 70% of maximum load
ITEM-8	Design Load = 10% of maximum load
ITEM-9	Design Load = 100% of maximum load

Basrah Central Prison
Electrical Load

LOADS	MAX (kw)	DESIGN (kw)	
Interior Load	536,107	322,477	
Exterior Load	75,250	75,250	
Subtotal Load	611,357	397,727	
Safety/Expansion Factor (15%)	91,704	59,659	
Maximum Total Load	**703,061**	**457,386**	
EQUIPMENT INVENTORY & COST ESTIMATE (Costs to Purchase & Install)	**QUANTITY**	**UNIT COST ($)**	**ITEM COST ($)**
Emergency Generators 600 KW	2	$119,000	$238,(
ITEM-1 Ceiling light with protective gril	491	$20	$9,8
ITEM-2 Night Light with protective grill	458	$20	$9,1
ITEM-3 Ceiling Light (Hallway)	58	$10	$5E
ITEM-4 Ceiling Light (Workspace)	259	$10	$2,5
ITEM-5 Ceiling Fan w/Protective Grill & Room Wiring	259	$35	$9,0
ITEM-6 Ceiling Fan w/Room Wiring	110	$25	$2,7
ITEM-7 13-amp Electrical Outlets w/Room Wiring	89	$10	$8S
ITEM-8 15-amp A/C Electrical Outlets w/Room Wiring	53	$10	$5:
ITEM-9 1hp Water Pump (Centrifugal)	26	$100	$2,6
ITEM-10 Refridgerator	9	$500	$4,5
ITEM-11 Perimeter Flood Lights (250 Watt Metal Halide, Pole Mounted Mounted)	172	$400	$68,E
ITEM-12 Yard Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	162	$250	$40,E
ITEM-13 Overdoor Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	53	$250	$13,2
		TOTAL	**$403,032**

NOTE-1: Estimate does not include overhead (8%) and profit (8%). Uni
Overhead and profit to be included in summary estimate of all work elem

NOTE-2: Estimate does not include purchase and installation of new ma
breaker panels, isolation switches, or cabling. These depend on the inst
Assessment Team

Basrah Central Prison
Exterior Electrical Load

			EXTERIOR LIGHTING					
			ITEM-11	ITEM-12	ITEM-13			
			Perimeter Flood Lights (Security)	Yard Flood Light (Security)	Over Door Flood Light (Security)			
		Maximum Wattage	380	180	180			
		Maximum Amperes	1	0.8	0.8	Bldg Total Maximum Wattage	Bldg Total Maximum Amps	Design Load Wattage (Note-1)
	Building	SF						
A-Wing (Prisoner Detention)								
1	#A1	3380	0	6	0	900	4	900
2	#A1 Guard	240	0	2	2	600	3	600
3	#A2	3380	0	6	0	900	4	900
4	#A2 Guard	240	0	2	2	600	3	600
5	#A3	3380	0	6	0	900	4	900
6	#A3 Guard	240	0	2	2	600	3	600
7	#A4	3380	0	6	0	900	4	900
8	#A4 Guard	240	0	2	2	600	3	600
9	A Bathroom 1	650	0	0	1	150	1	150
10	A Bathroom 2	650	0	0	1	150	1	150
	Perimeter		16	0	0	4,000	17	4,000
	SUBTOTAL		**16**	**32**	**10**	**10,300**	**43**	**10,300**
B-Wing (Prisoner Detention)								
11	#B1	3380	0	6	0	900	4	900
12	#B1 Guard	240	0	2	2	600	3	600
13	#B2	3380	0	6	0	900	4	900
14	#B2 Guard	240	0	2	2	600	3	600
15	#B3	3380	0	6	0	900	4	900
16	#B3 Guard	240	0	2	2	600	3	600
17	#B4	3380	0	6	0	900	4	900
18	#B4 Guard	240	0	2	2	600	3	600
19	B Bathroom 1	650	0	0	1	150	1	150
20	B Bathroom 2	650	0	0	1	150	1	150
	Perimeter		16	0	0	4,000	17	4,000
	SUBTOTAL		**16**	**32**	**10**	**10,300**	**43**	**10,300**
C-Wing (Prisoner Detention)								
21	#C1	3570	0	10	2	1,800	8	1,800
22	#C2	3570	0	10	2	1,800	8	1,800
23	#C3	3570	0	10	2	1,800	8	1,800
24	C Bathroom	650	0	10	2	1,800	8	1,800
	Perimeter		40	0	0	10,000	42	10,000
	SUBTOTAL		**40**	**40**	**8**	**17,200**	**72**	**17,200**
Juvenile Wing (Prisoner Detention)								
25	Juvenile Bldg	2090	5	4	2	2,900	12	2,900
	SUBTOTAL		**5**	**4**	**2**	**2,900**	**12**	**2,900**
Female Wing (Prisoner Detention)								
26	Female Bldg	1100	5	4	2	2,900	12	2,900
	SUBTOTAL		**5**	**4**	**2**	**2,900**	**12**	**2,900**
Segregation Wing (Prisoner Detention)								
27	Segregation Bldg	2300	12	6	2	4,200	18	4,200
	SUBTOTAL		**12**	**6**	**2**	**4,200**	**18**	**4,200**
Staff / Support Wing								
28	Visitors Center	4050	0	4	2	900	4	900
29	Reception Bldg	3780	0	6	2	1,200	5	1,200
30	Administration Building	1800	8	4	2	2,900	12	2,900
31	Medical Center	4630	20	7	2	5,830	23	5,830
32	Staff and Regional HQ	3990	12	6	3	4,350	18	4,350
33	Kitchen and Rec Hall	6190	0	6	4	1,500	6	1,500
34	Guard House	300	0	4	1	750	3	750
35	Generator and Water Tank Bldg	880	0	4	1	750	3	750
36	Entrance Guard House 1	280	0	4	1	750	3	750
37	Entrance Guard House 2	280	0	4	1	750	3	750
	SUBTOTAL	**28,540**	**40**	**44**	**19**	**19,480**	**81**	**19,480**
	Guard Tower 1	100	4	0	0	1,000	4	1,000
	Guard Tower 2	100	4	0	0	1,000	4	1,000
	Guard Tower 3	100	4	0	0	1,000	4	1,000
	Guard Tower 4	100	4	0	0	1,000	4	1,000
	Guard Tower 5	100	4	0	0	1,000	4	1,000
	Guard Tower 6	100	4	0	0	1,000	4	1,000
	Guard Tower 7	100	4	0	0	1,000	4	1,000
	Guard Tower 8	100	4	0	0	1,000	4	1,000
	SUBTOTAL		**32**	**0**	**0**	**8,000**	**33**	**8,000**
	TOTAL	**28,540**	**172**	**163**	**53**	**73,280**	**314**	**73,280**

Note-1: Design wattage is assumed to be 100% of Total Wattage For Lighting

Security. Windows

Type:			
	SW # 1	Size:	500 mm x 610 mm (20" x 24")
		Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
		Bars:	Square stock 15 mm X 15 mm (9/16" x 9/16"); vertical bars continuous; horizontal bars intermittent
		Spacing:	64 mm x 64 mm (2.5" x 2 5") center to center vertically and horizontally
		Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
		Movement:	Restricted
		Construction:	Welded with continuous welds
	SW #2	Size:	250 mm x 250 mm (10" x 10")
		Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
		Bars:	Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center
		Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
		Movement:	Restricted
		Construction:	Welded with continuous welds
	SW # 3	Size:	915 mm x 915 mm (36" x 36")
		Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
		Bars:	Square stock 15 mm X 15 mm (9/16" x 9/16"); vertical bars continuous; horizontal bars intermittent
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
		Movement:	Restricted
		Construction:	Welded with continuous welds
	SW #4	Size:	460 mm x 460 mm (18" x 18")
		Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
		Bars:	Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center
		Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
		Movement:	Restricted
		Construction:	Welded with continuous welds
	SW #5	Size:	250 mm x 760 mm (10" x 30")
		Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
		Bars:	Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical

	Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Restricted
	Construction:	Welded with continuous welds
W #1	Size:	915 mm x 915 mm (36" x 36")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #2	Size:	460 mm x 460 mm (18" x 18")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #3	Size:	250 mm x 760 mm (10" x 30")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #4	Size:	460 mm x 1070 mm (18" x 42")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #5	Size:	460 mm x 915 mm (18" x 36")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds

Security: Doors

Type:			
	SD #1	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
		Type:	Bars - open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous, Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
	SD #2	Size:	2030 mm x 813 mm (6'-8" x 2'-8")
		Type:	Bars - Open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous; Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	Key locking mechanism with additional dead bolt on inside Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
	SD #3	Size:	2030 mm x 813 mm (6'-8" x 2'-8")
		Type:	Bars - open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous; Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts

SD #4	Size:	2030 mm x 810 mm (6'-8" x 2'-8"); final thickness 25 to 40 mm (1 to 1.5")
	Type:	Steel plate - solid face with hollow core
	Frame:	Steel channel or rectangular tubing to provide door thickness of 25 mm (1") to 40 mm (1.5"); Horizontal bracing at quarter points or continuous bracing through core filler;
	Facing	Steel plate minimum 3 mm (1/8") thick mounted to both sides of steel angle frame
	Viewing port:	75 mm diameter observation aperture
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Movement:	Must open outward with possible rotation up to 180 degrees
	Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
	Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
D #1	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
	Type:	Exterior metal door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #2	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
	Type:	Interior solid wood door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #3	Size:	2030 mm x 810 mm (6'-8" x 2'-8")
	Type:	Interior solid wood door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #4	Size:	2030 mm x 1830 mm (6'-8" x 6'-0")
	Type:	Exterior metal double door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set and hardware to separately latch one door to upper and lower jam

Securily: Enclosures

Type:	SFE #1	Size:	Low profile steel cage with dimensions to accommodate fan dimensions
		Frame:	Steel angles 38 mm x 38 mm x 7 mm (1.5" x 1.5" x 1/4")
		Bars:	Steel square stock 15 mm x 15 mm (9/16" x 9/16")
		Covering:	Steel security mesh grill with maximum hole size 3 mm square attached to outside of frame to prevent any ligature being attached or used as an anchorage point;
		Mounting Frame:	Steel frame bolted in ceiling with tamper proof bolts
		Construction:	Welded with continuous welds
		Movement:	Restricted; removal only necessary for maintenance

Security:	Light Enclosures		
Type:	SLE #1	Size:	Low profile
		Type:	Bulkhead style
		Covering:	Shatter resistant plastic
		Movement:	Restricted; removal only necessary for bulb replacement and maintenance

Basrah Prison
Security and Hardware Requirements

	Building	Approx. Sq. Ft. Area	Security / Non-Security	Number of Rooms	Window w/ Security Bars	Windows w/ Regular Bars	Doors with Bars	Doors Solid Metal Face	Doors Wood Interior	Doors Metal Exterior	Ceiling Fan In Enclosure	Ceiling Fan	Bulkhead Light Enclosures	Lights
	A-Wing													
1	#A1	3360	S	2	28 - SW #1, 9 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
2	#A1 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
3	#A2	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
4	#A2 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
5	#A3	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
6	#A3 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
7	#A4	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
8	#A4 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
9	A Bathroom 1	650	S	2	14 - SW #4								6 - SLE #1	6
10	A Bathroom 2	650	S	2	14 - SW #4								6 - SLE #1	6
	B-Wing													
11	#B1	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
12	#B1 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
13	#B2	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
14	#B2 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
15	#B3	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12
16	#B3 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
17	#B4	3360	S	2	28 - SW #1, 8 - SW #2		12 - SD #4				8 - SFE #1	8	12 - SLE #1	12

18	#B4 Guard	240	S	1	2 - SW #3	1 - SD #3					1		2
19	B Bathroom 1	650	S	2	14 - SW #4							6- SLE #1	6
20	B Bathroom 2	650	S	2	14 - SW #4							6 - SLE #1	6
	C-Wing												
21	#C1	3570	S	6	15 - SW #1	8 - SD #1				12 - SFE #1	12	24 - SLE #1	24
22	#C2	3570	S	6	15 - SW #1	8 - SD #1				12 - SFE #1	12	24 - SLE #1	24
23	#C3	3570	S	6	15 - SW #1	8 - SD #1				12 - SFE #1	12	25 - SLE #1	25
	C Guard's Room		S	1	2 - SW #1	1 -SD #1					2		3
24	C Bathroom	650	S	2	14 SW #4							6 - SLE #1	6
25	Juvenile Bldg	2090	S	9	9 - SW #1, 9 - SW #4	8-SD #3				9 - SFE #1	9	10 - SLE #1	10
26	Female Bldg	1340	S	4	20 - SW #1, 3 - SW #2	1 - SD #1	4-SD #4			8 - SFE #1	8	10 - SLE #1	10
27	Segregation Bldg	2300	S	18	17 - SW #1, 14 - SW #5		17-SD #4			17 - SFE #1	17	19 - SLE #1	18
28	Visitor's Center	4050	N	4		8 - W #1, 8 - W #2,		3 - D #2	2 - D #1		9		21
29	Reception Bldg	3750	N	13		14 - W #1, 2 - W #2		14 - D #2	3- D #1		14		40
30	Administration Building	1800	N	8		6 - W #2, 9 - W #4		5 D #2, 2 - D #3	2 - D #1		9		24
31	Medical Center	4030	N	9		17 - W #1, 2 - W #3		5 - D #2, 2 - D #3	1 - D #1, 1 - D #4	11 - SFE #1	17		40
32	Staff and Regional HQ	3990	N	38		33- W #1, 9 - W #5		20 - D #2, 10 - D # 3	12 - D #1		20		72
33	Kitchen and Rec Hall	6190	S	5	37 - SW # 3 2 - SW #5				8- D #1		21		38

34	Guard House	300	N	2	3 - W #1	1 - D #3	1 - D #1	2	5
35	Generator and Water Tank Bldg	860	N	3	4 - W #4	1 - D #1	3 - D #4	6	9
36	Entrance Guard House 1	280	N	2	2 - W #1		3 - D #1	1	2
37	Entrance Guard House 2	280	N	2	2 - W #1		3 - D #1	1	3
38	Guard Towers (8)	100	N	1					8

Basrah Prison
General Repair

	Building	Approx. Sq. Ft Area	Security / Non-Security
	A-Wing		
1	#A1	3360	S
2	#A1 Guard	240	S
3	#A2	3360	S
4	#A2 Guard	240	S
5	#A3	3360	S
6	#A3 Guard	240	S
7	#A4	3360	S
8	#A4 Guard	240	S
9	A Bathroom 1	650	S
10	A Bathroom 2	650	S
	Yard / Courtyard		
	B-Wing		
11	#B1	3360	S
12	#B1 Guard	240	S
13	#B2	3360	S
14	#B2 Guard	240	S
15	#B3	3360	S
16	#B3 Guard	240	S
17	#B4	3360	S
18	#B4 Guard	240	S
19	B Bathroom 1	650	S
20	B Bathroom 2	650	S
	Yard / Courtyard		
	C-Wing		
21	#C1	3570	S
22	#C2	3570	S
23	#C3	3570	S
24	C Bathroom	650	S
	Yard / Courtyard		

25	Juvenile Bldg Yard / Courtyard	2090	S
26	Female Bldg Yard / Courtyard	1100	S
27	Segregation Bldg Yard / Courtyard	2300	S
28	Visitor's Center	4050	N
29	Reception Bldg	3760	N
30	Administration Building Yard / Courtyard	1800	N
31	Medical Center Yard / Courtyard	4030	N
32	Staff and Regional HQ Yard / Courtyard	3990	N
33	Kitchen and Rec Hall Yard / Courtyard	6190	S
34	Guard House	300	N
35	Generator and Water Tank Bldg	860	N
36	Entrance Guard House 1	280	N
37	Entrance Guard House 2	280	N

Yard / Courtyards

CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)

CPA PROJECT NUMBER:

CPA PROJECT TITLE: A-Wing and B-wing Building

BID ITEMS

1 - PERIMETER SECTION	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new s[illegible] high fence		SM			0
		Install steel dig plate [illegible] high		LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space provided. Use Bid Item 10 if necessary)		Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each			0

2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space provided. Use Bid Item 10 if necessary)		Unit of Measure Below			0
		Construct concrete entry steps		Each	8	10.00	80
		Construct concrete entry ramp		Each			0

3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM			0
	3.2	Remove and dispose damaged floor coverings		SM			0
	3.3	Install new floor coverings		SM	2400	15.00	36000

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	3.4	Repair structurally damaged floor slabs		SM			0
	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. *Use Bid Item 10 if necessary*)		Indicate Unit of Measure Below			0
		Repair stairs		SM			0
		Install stairway railing		LM			0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	3000	2.00	6000
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM			0
	4.5	Build new masonry wall with mortar/plaster finish		SM	64	20.00	1280
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM			0
		Install suspended ceiling		SM			0
		Remove suspended ceiling		SM			0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM			0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM			0
	5.5	Clear roof drain and downspout		Each	32	30.00	960
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each			0
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each			0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	98	80.00	7840
		Steel double door		Each			0
		High security steel bars		Each	98	80.00	7840
	6.4	Install new steel door frame (specify size)		Each	98	20.00	1960
		Steel double door frame		Each			0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each			0
		Lock set for high security steel bars door		Each			0

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		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.5	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each			0
	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	240	65.00	15600
		Frame only		Each			0
	6.9	Install steel security bars (burglar bars) on window		Each			
		High security steel bars		Each	240	65.00	2240
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	24	12.00	288
	7.3	Install new wall switch		Each			
	7.4	Install new flourescent light fixture		Each	112	20.00	224
		Install nightlights		Each			0
	7.5	Install new ceiling fan		Each	72	200.00	14400
	7.6	Install new telephone cable (single pair)		Each	8	10.00	80
	7.7	Install new telephone jack and/or alarm jack		Each			0
	7.8	Install new circuit breaker (specify type and capacity)		Each	4	300.00	1200
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	4	700.00	2800
	7.10	Install new isolation switch (specify type and capacity)		Each			0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each			0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0

CPA CONTRUCTION PROJECT BID SHEET

	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	9.1	Install new Eastern style toilet		Each	64	70.00	4480
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each			0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM			0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each			0
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each			0
	9.10	Install backflow prevention valve		Each			0
	9.11	Install new plastic water tanks		Each	8	150.00	1200
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each			0
		Water pump		Each	4	60.00	240
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each			0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						
Estimated BID PRICE:				**104712**			

CPA CONTRUCTION PROJECT BID SHEET

[redacted]
Senior Prisons Adviser
CPA(S)

[redacted]
Regional Co-ordinator

cc [redacted]
A/Head of Pillar
[redacted]
Head of Pillar
(on return)

7 Mar 04

BASRAH CENTRAL PRISON - FUNDING

I regret to report we were advised on 6 Mar 04 by Capt [redacted] Department of Prisons Baghdad that the funding for the rebuild of Basrah Central Prison has lapsed.

Capital was allocated from 2003 budget and placed in Treasury, invitations to tender through CPA(S) December 03, February 04 contractors identified, however Capital had been returned to Ministry of Finance, original bids in USD need to be in ID, contractors requested to re-submit costings in ID – no response.

Local information is that the Minister of Justice has personally stopped the contract as prior approval had not been sought.

Current Position. CPA(S) has no capital for this project, we have to re-start the process through the Iraqi system and calculate this will add two months to the process.

[redacted]

[redacted] CPT, Dept. of Prisons

From: [redacted] CPT, Dept. of Prisons
Sent: Wednesday, December 17, 2003 5:23 PM
To: [redacted]
Subject: FW: Prison Money in Basrah

Tracking: **Recipient** **Read**
[redacted]
Bartlett, Joseph T. (SES)
Armstrong, John J. (SES-O5) Read: 12/17/2003 5:50 PM

Below this message is text that may be useful regarding my earlier requests for information regarding Basrah.

Regards,

CPT [redacted]

-----Original Message-----
From: [redacted]
Sent: Saturday, December 06, 2003 8:49 PM
To: [redacted] CPT, Dept. of Prisons
Subject: RE: Prison Money in Basrah
[redacted]
Apparently the FEST assessment has been completed on this project. The problem is, for MOJ funds to be activated, I think it has to go through the Iraqi system (i.e. Iraqi engineers, etc.) and not be tendered by CPA. Do you have a different view on this?
I think we could get around it with a special authorization. Either way will have to work fast and I would like to see the team review the project specifications, etc., since they know what a prison should look like.

-----Original Message-----
From: [redacted] CPT, Dept. of Prisons
Sent: Saturday, December 06, 2003 4:04 PM
To: [redacted]
Cc: Bartlett, Joseph T. (SES); Ryan, Charles L. (SES-O5); Armstrong, John J. (SES-O5); [redacted]
Subject: RE: Prison Money in Basrah
Hello, [redacted]...

The 2.2B ID equates to $1,515,677, based on the 1:1,500 rate. The $4.4M will have to come from capital as the PRB request was not accepted a few months ago. The advisory team did prioritize the project as one of the top three (the first two are really part of the same area and use up very little of the capital).

Given that over 34% of the project is in the capital budget there, I would suggest that the officer in charge proceed with the contract and even make a down-payment (20%, etc. as agreed).

Once I have the details requested in my previous email (contractor name, dates of project, etc.), I will request a transfer of the capital balance of ID 4,326,484,000, equivalent to $2,884,323, into your treasury account. Given the balances and lack of fund draws, I do not believe MOF will allocate any more funds. My hope is that the contract will properly obligate and protect those funds so we do not need to dip into the already stretched budgets of 2004.

The prison advisors here in Baghdad are planning a trip to Basrah on 9 December, Tuesday. The intent is to visit Al Ma'aqil and the proposed Basrah Central site. I am

sure that the team will make notes and directives pertaining to the conditions. I hate to hear that the facility is in decline as it was one of the premier operations when I visited with Mr. [redacted] earlier this year.

Thank you so much for the updated information.

Cheers,

[redacted]

TO: **OFFICE OF THE UNDER SECRETARY OF DEFENSE (COMPTROLLER)**
FROM: **OFFICE OF RECONSTRUCTION AND HUMANITARIAN ASSISTANCE**
SUBJECT: **Funding Request ($ in Thousands)**

Project number: ORHA-PR-014	Date needed: ASAP
Short title: Repair of Prison: Basrah Central (Military Barracks)	ORHA org symbol: MLASA
Quantity: Job — Unit price:$4,400,000	Amount: $4,400,000 In budget (N)
Request number: PR-014-2003	Requested by *(name)*:

Detailed description *(including staffing requirements and basis for cost estimate)*: This request is to renovate the Military Barracks (to be named Basrah Central) and includes thirty-eight areas. The prison will house up to 1,200 inmates. $3.1 million will be required for construction, $0.9 million for start up costs, and $0.4 million for project management. The areas consist of three cell block wings, a female holding facility, a juvenile holding facility, segregation, kitchen, medical facility, administration facility, visitation area, exercise yard, guard facilities, and reception area. Attached are the detailed cost assessments of all work needed.

Indicate how much, if any, of these requested resources are required for civilian police functions: _____ or guard/security requirements _____.

Justification: *(e.g., personnel safety, security, environmental protection)* The Prison system is an integral part of the criminal justice system. At this juncture of the process, there are no functioning Prisons in operation in the southernmost region of Iraq. Focus has been on the central/Baghdad region resulting in a lack of attention to the need of outlying regions in Iraq. A detention center and a few temporary detention facilities have been provided by the military to hold looters and other detainees for short periods of time. This prison is urgently needed to provide and protect the integrity of persons detained while awaiting due process, and to provide a long-term prison facility to hold adjudicated inmates serving court imposed sentences of confinement as the judicial system is beginning to become fully functional. Safe and secure prison facilities are vital in order to protect Iraq's future interest in the effective and humane administration and accountability of the criminal justice system.

Impact if not funded:

Police will be unable to detain suspected individuals in an adequate, safe and humane correctional facility while processing investigations and evidence in accordance with the rule of law. There will be no pre-trial detention or holding area for those awaiting trials in the judicial courts. Once there are enough Detention Centers in place to hold all pre-trial detainees, this prison will become a post-trial prison in which convicted inmates will serve out the sentence of the courts.

Item detail

Item Source: ☐ Local ☐ External ☐ Organic ☐ Contract
Currency: ☐ Local ☐ US
Reimbursable? ☐ Yes ☐ No
Name of Source: _____

Item could be obtained from or provided by:
Coalition/Partner Nation: _____
State ☐ USAID ☐
CENTCOM ☐ ARCENT ☐
Justice ☐ Other: _____

Duplicate assets provided elsewhere in ORHA?
Yes No
(If yes, attach reason)

Proposed Funding Source

Sources		Uses	
Vested assets	☐	Iraqi civil service	☐
Seized assets	☐	Iraqi special workers	☐
		Iraqi infrastructure	☐

Appropriated funds

Iraq Relief and Reconstruction Fund	☐
Iraqi Freedom Fund	☐
Natural Resource Risk Remediation Fund	☐
Overseas Humanitarian Disaster & Civic Aid	☐
Defense Cooperation Account	☐

Other *(specify)*: _____

ORHA Comptroller assessment:

This request has been approved by the ORHA Requirements Review Board. (Y/N) ☐

_____ _____

Project number: ORHA-PR-014		Date needed: ASAP
Short title: Repair of Prison: Basrah Central (Military Barracks)		ORHA org symbol: MLASA
Quantity: Job	Unit price:$4,400,000	Amount: $4,400,000 In budget (N)
		ORHA Comptroller signature Date

	ORHA MISSION *(Billable category, select one)*	Memo Police Function, Security (Y/N)
	A. Overhead: ORHA Headquarters administration & management	
	B. Repair of damage to oil facilities & related infrastructure *(Natural Resources Risk Remediation Fund)*	
Reconstruction and Humanitarian Aid Missions *(Iraq Relief and Reconstruction Fund, PL 108-11 categories)*:		
	1. Water/sanitation infrastructure	*YES*
	2. Feeding and food distribution	
	3. Supporting relief efforts related to refugees, internally displaced persons, and vulnerable individuals, including assistance for families of innocent Iraqi civilians who suffer losses as a result of military operations	
	4. Electricity	*YES*
	5. Health care	
	6. Telecommunications	
	7. Economic and financial policy	
	8. Education	
	9. Transportation	
	10. Rule of law and governance *(including police)*	*YES*
	11. Humanitarian demining	
	12. Agriculture	
	13. Other Public Services	

Additional information:

Item	Apr	May	Jun	Jul	Aug	Sep	BY	BY+1
Total								
Salaries								
Travel/Transport								
Rent/Util/Maint								
Contracts								
Supplies/Equipm't								
Other								

Office symbol Comments *(or attachment number)*

Project number: ORHA-PR-014		Date needed: ASAP
Short title: Repair of Prison: Basrah Central (Military Barracks)		ORHA org symbol: MLASA
Quantity: Job	Unit price:$4,400,000	Amount: $4,400,000 In budget (N)

Decision/disposition

Approved: _____

Disapproved: _____

Other: _____ Date: _____

ORHA BUDGET REQUEST FORM
USER'S GUIDE

Request funding for ORHA mission and projects as follows:

1. All blocks must be completed. Add lines or attach pages as needed. Identify related projects, if any, in the detailed description.
2. Each project must be identified to a specific ORHA Ministry or office. While several of the ORHA ministries relate directly to ORHA Missions identified in Public Law 108-11, the relationship is not as identifiable for other Ministries. In either case, each funding request should be carefully examined to determine assignment of the correct ORHA Mission code. To the extent possible, minimize use of Mission 13, Other Public Services.
3. For items included in the budget of record, the ORHA team will determine the approval process for requests equal to or less than $150,000 (exact).
4. Forward requests that meet the following descriptions to OUSD(C) for funding determination:
   A. Increases that exceed $150,000 for projects included in the budget of record.
   B. Unbudgeted miscellaneous expenses, in batches that exceed $150,000 total.
   C. Requests that equal or exceed $500,000: Establish a project number and identify a definable objective. Includes requests for seized assets or OMB funding.

SUMMARY		
Request value	*Budgeted*	*Unbudgeted*
Less than or equal to $150,000	ORHA Comptroller approval	Bundle to $500,000 total and submit to OUSD(C)
$150,000 to $500,000	Submit to OUSD(C)	
Over $500,000	Assign project code and submit to OUSD(C)	

5. For items that will not be funded by the Department of Defense or the Natural Resource Risk Remediation Fund, the OUSD(C) will forward the request to the OMB that will, in consultation with the ESG and the National Security Council, make the funding determination. This includes requests for use of seized Iraqi assets.
6. The ORHA Comptroller shall assign Project numbers sequentially within ORHA Missions (e.g., the first request for Water/sanitation infrastructure shall be 1-1; the second will be 1-2). Use standard object class codes to identify cost elements of the project.
   A. Overhead, ORHA Headquarters Administration & Management requests will start with the letter A.
   B. Requests for Repair of damage to oil facilities & related infrastructure will start with the letter B.
   C. All other requests will start with their numeric designator, listed below:

	ORHA MISSION *(Billable category, select one)*	Memo: Police Function, Security (Y/N)
	A. Overhead: ORHA Headquarters administration & management	
	B. Repair of damage to oil facilities & related infrastructure *(Natural Resources Risk Remediation Fund)*	
Iraq Relief and Reconstruction Fund *(PL 108-11 categories)*:		
	1. Water/sanitation infrastructure	*YES*
	2. Feeding and food distribution	
	3. Supporting relief efforts related to refugees, internally displaced persons, and vulnerable individuals, including assistance for families of innocent Iraqi civilians who suffer losses as a result of military operations	
	4. Electricity	*YES*
	5. Health care	
	6. Telecommunications	
	7. Economic and financial policy	
	8. Education	
	9. Transportation	
	10. Rule of law and governance *(including police)*	*YES*
	11. Humanitarian demining	
	12. Agriculture	
	13. Other Public Services	

COALITION PROVISIONAL AUTHORITY - SOUTH

PROJECT SUMMARY NUMBER:

A: KEY PROJECT DETAILS: BASRA CENTRAL PRISON

A1: PROJECT

SECTOR:	CPA Southern Region
PROJECT TITLE:	Basra Central Prison
PROJECT ACTION OFFICER:	Maj [redacted] 2IC 3 RMP (attached Law & Order Directorate CPA South)
PLANNED START DATE:	15 Sep 03
URGENCY TO SECTOR: (High, Routine, Low)	High
TIMEFRAME REQUIRED:	The site will be developed in phases over a 12 month period commencing Sep 03
EXPECTED DURATION:	12 months, with an Initial Operating Capacity achieved within 3 months (Dec 03)
ESTIMATED TOTAL COST:	$4.4m
FUNDING SOURCE (PROPOSED):	Ministry of Justice Prison Department

A2: PROJECT LOCATION:

1. GOVERNORATE	Mark 'x' as appropriate	2. AREA	Mark 'x' as appropriate
- BASRAH	X	- URBAN	
- MISSAN		- RURAL	
- MUTHANNA		- MIXED	X
- THI QAR		- NOT DEFINED	

A3: THEMATIC MARKERS:

	Mark 'x' against all relevant categories
- Labour intensive (cash for work)	X
- Labour intensive (food for work)	
- Repair Parts intensive	
- Government Capacity Building	X
- Gender Issues	X

B: IMPLEMENTING AGENCY DETAILS:

B1: Name	To be advised.
B2: Contact Details	Project Management Team to be appointed by CPA South, with support from the Law & Order Directorate CPA South and MP Branch HQ MND (SE).
B3: Type of Organisation:	**Mark 'x' as appropriate: And note any other relevant details**
- Military	X – UK Forces, on behalf of CPA
- Govt. Dept. / State Enterprise	
- United Nations Agency	
- NGO	

- National Commercial Company	
- Foreign Commercial Company	

C: PROJECT RATIONALE AND PARTNERSHIPS; OUTCOMES; OUTPUTS; ACTIVITIES; INPUTS AND BUDGET:

C1: PROJECT RATIONALE: Please provide clear statement of problem that the project is intended to address.	Basra prison was completely looted and destroyed following the war and is considered no longer fit for purpose. An alternative site has been identified at a former Army barracks on the outskirts of Basra (Grid: QU72207380). The site has been visited by the Ministry of Justice Prisons Department (Mr [redacted] who confirmed that it is suitable for future development as a prison. Initial work has been completed to secure the site, funded as a UK QIP and a detailed technical assessment has been conducted by CPA South FEST, with technical guidance provided by UK Military Provost Staff prisons advisors. CPA Main has now endorsed the requirement to develop this site as a regional post-trial facility for approximately 1,000 medium to high security prisoners. The site will also accommodate the Regional Headquarters of the Iraqi Prison Service. It is possible that this site will also be used to accommodate Coalition Internees, transferred from temporary holding facilities at Camp Bucca and elsewhere in Iraq.
C2: PARTNERSHIPS: Please indicate principal partners, if any, involved in project.	• Ministry of Justice Prisons Department • Iraqi Prison Service (Lt Col Kareem Mahamed) • Local Contractors (TBC) • CPA South • UK Military Police (Maj [redacted]) • UK Military Provost Staff (Capt [redacted])
C3: TARGET GROUP: Please indicate the most likely recipient of the goods &/or services provides.	All categories of inmates, which includes adult male, female and juvenile offenders. The site may also include Coalition Internees, transferred from current temporary holding facilities.
C4: GENDER, CAPACITY BUILDING: Indicate how these issues are addressed, if at all.	Planned capacity for approximately 1200 medium to high security prisoners: • A & B Wing: 768 males • C Wing: 360 males (possibly Internees) • Juveniles: 84 • Adult Females: 42 • Segregation: 16 individual cells (male or female) • 4 x medical wards, one of which will be for females/juveniles.
C5: SUSTAINABILITY: Please indicate to what degree sustainability issues have been considered.	The operating costs for this facility will be included in the Ministry of Justice Prisons Department budget.
C6: PERFORMANCE MONITORING PLANNED & ACCOUNTABILITY CHECK: Indicate steps being taken to monitor performance and assure process seen as fair and equitable.	Given the scale of this project, the Director of Reconstruction for CPA South has recommended that responsibility for the management of this project is assumed by a dedicated Project Management Team. Costs for this are calculated at 10% of the overall total ($0.4m).
C7: RISK ASSESSMENT: Please provide a statement concluding the key risk factors to all participants.	The availability of secure custody facilities is central to the restoration of law and order structures within Iraq.

<table>
<tr><td>C8: OUTCOMES, OUTPUTS, INPUTS & ACTIVITIES:</td><td></td></tr>
<tr><td>- Intended Outcomes:</td><td>The construction of a medium to high security prison, housing approximately 1200 prisoners.</td></tr>
<tr><td>- Intended Outputs:</td><td>Prison buildings which provide adequate security and supporting infrastructure.</td></tr>
<tr><td>- Activities Planned:</td><td>• Safe custody of all offenders.
• Provision of inmate recreation facilities.
• Facilities for inmate visitors.</td></tr>
<tr><td>- Inputs required - to achieve Activities / Outputs:

Please also indicate numbers of local workforce to be involved in project; and whether skilled or not.</td><td>• Local contractors for initial construction (skilled and unskilled).
• Local contract for catering (unskilled).
• Local contractor for maintenance (skilled and unskilled).</td></tr>
<tr><td>- Use of existing structures & facilities: Please indicate where, what and whether agreement received.</td><td>The site was previously used as a military barracks.</td></tr>
<tr><td>C9: PROJECT BUDGET:
Use available space (or attach) to detail the disbursement of funds. Consider labour, material, equipment, transportation, communication, administrative & other costs. If a multi-agency project, state the OCPA-S % share of the contribution.</td><td>Approximate construction costs include:

<table><tr><th>Item</th><th>Cost (US$)</th></tr><tr><td>Capital Works</td><td>$3.1m</td></tr><tr><td>Start-up costs</td><td>$0.9m</td></tr><tr><td>Project Management Team</td><td>$0.4m</td></tr><tr><td>TOTAL</td><td>$4.4m</td></tr></table>
• Capital Works expenditure is based upon the CPA South FEST estimate ($3.1m). A copy of the FEST Assessment Report is enclosed.
• Start-up costs have been provided by CPA Main Prisons Department and are based upon the costs incurred to establish similar facilities in Baghdad ($0.9m).
• A total of $37.5k has already been expended to secure this site, funded as a UK Quick Impact Project.
• Monthly running costs have been calculated at $160k, based upon the running costs for similar sized facilities in Baghdad. CPA Main will include this figure in their budget submission.
• Monthly salaries should be calculated for 200 staff of the Iraqi Prison Service. CPA Main will also include this figure in their budget submission.</td></tr>
<tr><td>C10: RATIONALE FOR SINGLE OR MULIPLE SOURCE (CONTRACTING BIDS)</td><td>Contracting procedure advised by Director Reconstruction, CPA South will include competitive bidding from contractors together with and international or Iraqi project management team.</td></tr>
<tr><td>C11: BUDGET REVIEWED BY:</td><td>[redacted]
Major
2IC 3 RMP</td></tr>
</table>

COALITION PROVISIONAL AUTHORITY – SOUTH

BASRAH, IRAQ

U.S. Army Corps of Engineers **Forward Engineering Support Team**

Title: WR#49 Basrah Central Prison Preliminary Assessment and Cost Estimate

Requested by: Major [redacted]
UK Project Manager
Date: 24 July 2003

Signature: _____
Submitted by: [redacted]
CPA-S FEST Assessor
Date: 19 August 2003

Signature: _____
Approved by: Major [redacted]
CPA-S FEST Team Leader
Date: 19 August 2003

Project Location: Basrah

Grid Coordinates:QU 72396 73718

On-Site Personnel: Not Applicable

On-Site Security: Not Applicable

[redacted]

Prison Cost Estimate Summary

Location Name	Number of Buildings	Total Square Meters	Estimated Cost	Cost per square meter
Administration	1	167	$15,644	$93.68
Medical	1	374	$27,235	$72.82
Reception	1	309	$20,588	$66.63
Staff and HQ	1	750	$43,496	$57.99
Visitor's	1	376	$36,889	$98.11
Kitchen and Rec	1	575	$32,002	$55.66
Entrance Guard	2	50	$4,242	$84.84
Guard House	1	28	$4,896	$175.48
Guard Towers	8	72	$40,360	$56.06
A-Wing & B-Wing	8	2496	$152,856	$61.24
C-Wing	3	996	$66,036	$66.30
A, B, & C Bathrooms	5	315	$43,345	$137.60
Female Holding	1	124	$17,663	$142.44
Juvenile Holding	1	194	$18,643	$96.10
Segregation	1	214	$30,055	$141.85
Generator	1	79	$7,139	$90.37
Yard & Security	1	32380	$1,979,423	$61.13
Electrical Requirements			$500,000	
TOTAL			$3,040,812	

THE CHANGES AND UPDATES
DISCUSSED ON AUGUST 20
ARE NOT INCLUDED IN
THIS PRELIMINARY REPORT.

[redacted]

CPA-SOUTHEAST FEST
TECHNICAL ASSESSMENT REPORT

Title: WR# 49 Basarh Central Prison

Date: 30 July 2003

Time: 0830

Location: Basrah, Iraq

Grid Coordinates: QU 72396 73718

Inspectors: [redacted]

On-Site Personnel/Security: British hired security force

Mission/Objective: The objective of this project is to complete a detailed engineering assessment, a cost estimate, and sufficient documentation to assist in the tendering process for the renovation of this former military barracks to a medium to high security prison. The Basrah Central Prison is intended to hold 1000 to 1500 prisoners.

Background/Description of Problem: The existing military compound consists of twenty nine (29) buildings and a perimeter security wall. The compound was used to train Fedayeen soldiers before the war. The compound contains approximately 32,400 square meters of area inside the perimeter walls.

During the war the buildings were extensively looted. All windows, doors, water tanks, plumbing fixtures, furniture, appliances, electrical wiring and equipment, almost anything else that could be removed was removed. It appears that even the buried electric wires were removed. The entire metal roofing on one of the buildings was looted and part of the stone tile on another building was removed. Structurally the buildings are in very good condition with no war damage or fire damage.

Of the twenty nine (29) buildings fourteen (14) will be used to house the prisoners, nine (9) additional will be specifically used for the prisoners, three (3) will be used by the guards, three (3) will be used by the staff, and one (1) to house the generator and electric transformer. Some of the courtyards will be used as recreational areas for the prisoners.

Typical renovation items for the buildings will include new doors, new windows, general wall repairs, painting, new electric service line and breaker panel, electrical outlets, phone service, individual room air conditioning units, ceiling fans, and window security bars. Typical renovation items for the high security buildings will include barred windows, barred doors, bulkhead lights, fans in steel cage enclosures, reduced window and door sizes, tile removal from the floors, and basic toilets in the prisoner rooms. Most of the buildings will require new roof water tanks and new plumbing. The compound will have a backup generator and will be connected to the water main need the street.

The perimeter wall is concrete and was raised to provide security until this project can be completed. The north perimeter presently is a common wall with some residential buildings. A second temporary perimeter wall was constructed until the issue with residential properties can be resolved. There is a security force at the compound that is also providing temporary security measures. This project will include constructing a new perimeter wall inside the existing wall to reinforce the existing. In addition to the perimeter wall there will be constructed 3 meter high security chain link fencing with security wire continuous along the top. This security fencing will subdivide the interior of the compound into different holding segments.

It is important that this prison compound be completed and ready to occupy as soon as possible.

[redacted]

Facts & Technical Details: The twenty nine building will be used as follows:

Location / Building Designation	Number of Buildings	Total Square Meters
Administration	1	167
Medical	1	374
Reception	1	309
Staff and HQ	1	750
Visitor's	1	376
Kitchen and Recreation	1	575
Entrance Guard	2	50
Guard House	1	28
A-Wing & B-Wing	8	2496
C-Wing	3	996
A, B, & C Wing Bathrooms	5	315
Female Holding	1	124
Juvenile Holding	1	194
Segregation	1	214
Generator	1	79
TOTAL		7047

In addition to these twenty nine (29) buildings eight (8) guard towers will be built for addition security. These guard towers will be located between the perimeter wall and Sterile Area fencing. The floor of these guard towers will be at a level of four (4) meters.

There are several septic/holding tanks and manholes through the compound. These tanks will be removed and replaced with new tanks, drain lines, and cleanouts. The location of the tanks and the cleanouts will be outside of the fenced in areas for the prisoners. These septic/holding tanks will require periodic cleaning from an outside firm.

Two (2) water tanks will be installed at the Generator/Transformer/Water Tank building that will be supplied with water from the water main near the street. These two tanks will then provide water to the rest of the smaller water tanks through the compound. Circulation of water will be through water pumps at the Generator/Transformer/Water Tank building and at each of the individual buildings. The water supply to each of the buildings bathrooms will be from individual water tanks on the buildings roof.

The electrical supply to the compound entered from the street on the east side. It entered near the Main Gate near the street entrance. The transformer was located in one of the two Entrance Guard Houses (WAS IT?? I AM NOT SURE.) and then went underground from that point to each of the buildings. The new underground electric cable will go directly to the Generator/Transformer/Water Tank Building and will go underground to each building from that point.

There is a limited amount of asphalt pavement within the compound perimeter walls. Portions of the asphalt pavement will require repairs and replacement. The only proposed new pavement is a section to the emergency (double doors) proposed in the Medical Building.

The buildings that will house the prisoners will require high security windows and doors. These windows and doors will be metal bars that will not allow the prisoners to stick an average hand through the grid openings. All windows, doors, and door frames will be metal with continuous weld fabrication. All attachment hardware will be tamper proof. All lights will be of the shatterproof bulkhead design. All rooms, that the prisoners will be in, will also have nightlights that cannot be adjusted or turned off by the prisoners. All fans will be enclosed in steel

cages that have a grill covering to prevent handholds, points of anchorage, or places for attaching ligatures. All floor tiles will be removed and the floor covered with a screed layer of concrete so that the tile cannot later be removed by the prisoners and used as a weapon.

See attached site plan drawings for compound layout.

[redacted]

OBSERVATIONS

Reception Building

A. Description:

The building is a one story structure that is rectangular in shape; 26.5 m ± by 11.3 m ±. It has a rectangular protrusion on the west wall that is 4.7 m ± by 2.1 m ±. There are fourteen (14) rooms that vary from 5.9 m by 4 m to 2 m by 4 m. The total footprint of the building is approximately 309 sq. m.

The building is structurally in good condition. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor damage was done to the walls, ceiling, and floors where the stolen items were removed. There are no rooms with fire damage.

The proposed usage of this building is a Reception Building. The rooms will be primarily used for offices. The building will require normal security measures.

B. Security Required

The Reception Building will require Normal Security Measures. The office doors will be solid wood with typical locking devices. All necessary electrical outlets will be located in the individual office rooms and bathrooms. The ceiling fans and light fixtures will not be enclosed in cages. The windows will require typical security bars. The electric panel(s) can be located in their former locations in the hallways. The exterior doors will be metal doors, single width. Double doors will not be required.

C. Repairs and Modifications

All doors and windows will be replaced, resized, or filled in. The double width exterior doors will be replaced with single width metal doors. The excess door widths will be filled in. All windows will have glass. All bathroom fixtures will be replaced and the damaged tiles replaced. Damage to the walls, floors, and ceiling will be repaired and all the rooms and hallways repainted. All electrical fixtures will be replaced and will include a minimum of one outlet in each room for each 3.7 meters of wall length. Phone service will be provided in each room. The rooms will be modified to accommodate air conditioning units. Generally the existing layout of the rooms will not be changed. The roof downspouts will be replaced. Steps will be constructed at each exterior entrance way.

D. Electrical Needs

Each office will have at least one electrical outlet for each 3.7 meters of wall length. Each office room will have a minimum of two light fixtures, one ceiling fan, and an air conditioning unit. The larger rooms will have a minimum of three light fixtures and two electrical outlets. The bathrooms will have at least two light fixtures. The lighting in the hallway will be replaced and the electric panel(s) will be replaced in their former

location(s). All the rooms except the bathrooms will have air conditioning and phone service installed.

E. Plumbing Needs

There are two bathrooms; one shall be designated for men and one for women. Each bathroom shall have two toilets and two sinks. No showers will be installed in this building. A 500 liter water tank will be installed on the roof with the necessary plumbing to each bathroom. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repair List

1. 16 windows with typical security bars
2. 14 interior doors – wood with locking sets
3. 3 exterior doors – metal with locking sets
4. 4 toilets
5. 4 sinks
6. 4 bathroom stall doors
7. 1 - 500 liter roof mounted water tank with plumbing
8. 40 light fixtures
9. 58 electrical outlets
10. 14 ceiling fans
11. 12 air conditioners
12. 3 exterior steps/stairs
13. 14 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 12 phone services(one in each office)
16. 10 downspouts

Staff and Regional Headquarters

A. Description:

The building is a two story structure whose shape represents two rectangles overlapped in one quadrant. The total length of the building is approximately 32 m and the total width of the building is approximately 16.6 m. The total footprint of the building is approximately 375 sq. m. and the total square footage is approximately 750 sq. m. There are twenty two (22) rooms that vary from 5.9 m by 4 m to 1.8 m by 4 m. Sixteen (16) of the rooms have separate bathrooms.

The building is structurally in good condition. All the doors, windows, electrical fixtures and wires, electrical panel, air conditioning units, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor damage was inflicted to the walls, ceiling, and floors, especially where the stolen items were removed. Where the windows and doors were removed the frames were generally taken also and wall damage was much more intense. On the ground floor, the floor was damaged where the electrical cable was removed. There are no rooms with fire damage. On the roof is a stairway enclosure. It originally had one window and one exterior door, but those were also looted.

The proposed usage of this building is the Staff and Regional Headquarters Building and the rooms on the ground floor will primarily be used for offices. The rooms on the second floor will be staff living quarters. The building will require normal security measures.

B. Security Required

The Staff and Regional Headquarters Building will require Normal Security Measures. The office doors will be solid wood with typical locking devices. All necessary electrical outlets will be located in the individual office rooms and bathrooms. The ceiling fans and light fixtures will not be enclosed in cages. The windows will require typical security bars. The electric panel(s) will be located in their former locations in the hallways. The exterior doors will be metal doors, single width. Double doors will not be required.

C. Repairs and Modifications

All the doors and windows will be replaced, resized, or filled in . Two double width exterior doors will be replaced with single width metal doors. There will be one entrance door on the west side toward the Medical Building and one entrance door on the south side toward the Reception Building. There will be no entrance doors on the north side or east sides of the building. The excess door widths will be filled in. The windows are approximately 2.4 m wide by 1.2 m high except in the bathrooms where the windows are approximately 1 m wide by 0.5 m high. The larger windows will be reduced in size. All windows will have glass. The bathroom windows on the ground floor will be filled in. The bathroom windows on the second floor will remain approximately the same size. On the ground floor all rooms will be used for offices,

[redacted]

and all in-room bathrooms, including separating walls, will be removed and the space converted to office space. The one smaller room on the ground floor will be converted to a bathroom that will accommodate restroom facilities for both men and women. On the second floor all bathroom fixtures will be replaced and the damaged tiles replaced. Damage to the walls, floors, and ceiling will be repaired and all the rooms and hallways repainted. Also on the second floor the smaller room will be converted to a bathroom with shower to accommodate both men and women. All electrical fixtures will be replaced and will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in each office room. The rooms will be modified to accommodate air conditioning units. Except for removing the bathrooms on the ground floor, the existing layout of the rooms will not significantly change. Both flights of interior steps will be repaired. Exterior steps will be constructed at each exterior entrance way with the height determined by the differential grade. The windows in the stairway enclosure on the roof will be filled in and the door will be replaced with a metal exterior door. Any wall damage to this stairway enclosure will be repaired. All downspouts will be replaced. The stairway enclosure on the roof will be repaired as necessary. All nine (9) balcony doors will be exterior metal doors. The ground floor will have two (2) exterior entrances with exterior metal doors.

D. Electrical Needs

Each office will have at least one electrical outlet for each 3.7 meters of wall length. Each office room will have as a minimum two light fixtures with one additional light fixture for each 19 sq. m above 19 sq. m, one ceiling fan, and an air conditioning unit. The bathrooms will have all previous electrical outlets and lights replaced, except if they did not exist before then all bathrooms will have least one electrical outlet and two light fixtures. The lighting in the hallway will be replaced and the electric panels will be replaced at their former locations. Where necessary wiring will be attached to and exposed on the face of the walls. All rooms except the bathrooms will have an air conditioning unit and phone service installed.

E. Plumbing Needs

There will be one bathroom on the ground floor. It will be located in the 1.8 m by 4 m room along the north wall. It will be used by both men and women. This bathroom will have two toilets and two sinks. No showers will be installed in this bathroom. On the second floor the bathrooms in each on the 8 rooms will be restored. A separate bathroom will be established on the second floor in the small (1.8 m by 4 m) room on the north wall directly above the bathroom being established on the ground floor. This bathroom will have one toilet, one shower and one sink. This bathroom will be primarily available for the two second floor rooms without bathrooms. Two 1000 liter water tanks will be installed on the roof with the necessary plumbing to each bathroom. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repair List

1. 42 windows with typical security bars
2. 30 interior doors – wood with locking sets

3. 12 exterior doors – metal with locking sets
4. 11 toilets
5. 11 sinks
6. 9 showers
7. 4 bathroom stall doors
8. 2 - 1000 liter roof mounted water tank with plumbing
9. 72 light fixtures
10. 58 electrical outlets
11. 20 ceiling fans
12. 20 air conditioners
13. 2 exterior steps/stairs
14. 38 general room repairs and painting
15. 1 electrical panel and all necessary breakers and wiring
16. 10 phone services in each office
17. 2 repair stairways
18. 2 install stairway handrails
19. 1 repair floor
20. 8 replace downspouts
21. 8 remove bathrooms on ground floor
22. 1 remove door on east wall on second floor
23. 9 fill in bathroom and stairway enclosure windows

Administration Building

A. Description

The building is a one story rectangular structure. The total length of the building is approximately 18.3 m and the total width of the building is approximately 9.1 m. The total square footage is approximately 167 sq. m. There are eight (8) rooms that vary from 1.4 m by 4.1 m to 8.7 m by 4.2 m. Three (3) of the existing rooms are bathrooms

The building is structurally in good condition. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls, ceiling, and floors, especially where the stolen items were removed. Where the windows and doors were removed the frames were generally taken also and wall damage was much more intense. In several of the rooms the floor was damaged where the tiles were removed. There are no rooms with fire damage. One of the bathrooms has only an exterior entrance; it cannot be accessed from inside the building.

The proposed usage of this building is the Administration Building and all the rooms will primarily be used for offices. The building will require normal security measures.

B. Security Required

The Administration Building will require Normal Security Measures. The interior office and bathroom doors will be solid wood with typical locking devices. All necessary electrical outlets will be located in the individual office rooms and bathrooms. The ceiling fans and light fixtures will be enclosed in cages. The windows will require typical security bars. The electric panel(s) will be located in their former locations in the hallways. The exterior doors will be metal doors, single width. Double doors will not be required at any location.

C. Repairs and Modifications

All the doors and windows will be replaced, resized, or filled in. The two exterior doors in the north wall will be eliminated. The double width doors will be replaced with single width doors. The excess door widths will be filled in. The windows vary considerably in size from approximately 2 m wide by 1.2 m high to approximately 0.5 m wide by 0.5 m high. The larger windows will be reduced in size. All windows will have glass. All rooms will be used for offices, except for the bathrooms. The small bathroom on the south wall will be eliminated, the wall removed, and the floor space merged with the adjacent room. The bathroom, that only has an exterior entrance, will be merged with the adjacent small bathroom by removing the common wall and reconfigured so that there will be two separate bathrooms. Access will be from the interior of the building; the exterior entrance will be eliminated.

Damage to the walls, floors, and ceiling will be repaired and all the rooms and hallways repainted. The damaged floor tiles will be replaced. All electrical fixtures will be replaced and will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in each office room. The rooms will be

modified to accommodate air conditioning units. Except for removing the one small bathroom and reconfiguring another bathroom, the existing layout of the rooms will not significantly change. The roof downspouts will be replaced. Exterior steps will be constructed at each of the two exterior entrance way with the height being as needed to get from the after graded ground leveled to the sidewalk level. On the roof many of the roof tiles have been removed. These roof tiles will be replaced and the joints over the entire roof sealed/resealed.

D. Electrical Needs

Each office will have at least one electrical outlet for each 3.7 meters of wall length. Each office room will have at least two light fixtures and one additional light fixture for each 19 sq. m above 19 sq. m, one ceiling fan, and an air conditioning unit. The bathrooms will have all previous electrical outlets and lights replaced, except if they did not exist before then all bathrooms will have least two electrical outlets and two light fixtures. The electric panel will be replaced at its former location. Where necessary, wiring will be attached to and exposed on the face of the walls. Each office will have phone service.

E. Plumbing Needs

There will be two bathrooms; one of the existing bathrooms will be removed. There will be separate bathrooms for men and women. These bathrooms shall have as a minimum two toilets and two sinks. No showers will be installed in either bathroom. One 500 liter water tanks will be installed on the roof with the necessary plumbing to each bathroom. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repair List

1. 15 windows with typical security bars
2. 7 interior doors – wood with locking sets
3. 2 exterior doors – metal with locking sets
4. 4 toilets
5. 4 sinks
6. 4 bathroom stall doors
7. 1 - 500 liter roof mounted water tank with plumbing
8. 24 light fixtures
9. 28 electrical outlets
10. 9 ceiling fans
11. 5 air conditioners
12. 2 exterior steps/stairs
13. 7 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 5 phone services in each room
16. 4 downspouts
17. replace floor tiles
18. 2 remove bathroom walls
19. 4 install bathroom partitions

20. 4 remove bathroom drain openings
21. 2 fill in exterior door openings
22. replace roof tiles

Medical Building

A. Description:

The building is a one story building with two rectangular sections. The total length of the building is approximately 25.9 m and the total width of the building is approximately 24.4 m. The total square footage is approximately 374 sq. m. There are six (6) rooms that vary from 1.6 m by 3.4 m to 11.9 m by 15.2 m. There is one (1) small bathroom.

The building is structurally in good condition. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls, ceiling, and floors, especially where the stolen items were removed. Where the windows and doors were removed the frames were generally taken also and wall damage was much more intense. In several of the rooms the floor was damaged where the tiles were removed. There are no rooms that have fire damage.

The proposed usage of this building is the Medical Building and will be used for the treatment of emergency and minor medical problems. All significant medical problems will be transferred to area hospitals. The rooms will be used for wards, offices, treatment or storage. The building will require normal security measures.

B. Security Required

The Medical Building will require Normal Security Measures. The interior office and bathroom doors will be solid wood with typical locking devices. All necessary electrical outlets can be located in the individual office rooms and bathrooms. The ceiling fans will not be enclosed in cages. Regular light fixtures will be used. The windows will require typical security bars. The electric panel(s) can be located in their former locations in the hallways. One exterior door will be a metal door, single width. A double entry doors will be required on the east wall at the narrow connection section to accommodate emergency patients, gurneys, special equipment, etc.

C. Repairs and Modifications

All the doors and windows will be replaced, resized, or filled in. All doors will be replaced with single width doors except for one set of double doors. Where necessary the excess door widths will be filled in. The windows vary considerably in size from approximately 2 m wide by 1.1 m high to approximately 0.250 m high by 0.76 m wide. The larger windows will be reduced in size. All windows will have glass. The majority of the rooms will be used for wards. The remainder will be used for treatment and offices, except for the bathrooms.

Damage to the walls, floors, and ceiling will be repaired and all the rooms and hallways repainted. The damaged floor tiles will be replaced. All electrical fixtures will be replaced and will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the offices, the treatment room, and at the nurses station only; there will be no phones in the wards. All rooms, except the bathrooms, will be modified to accommodate air conditioning units.

The large open area will be divided in half longitudinally to provide two (2) wards. In the east ward, of these two, an office approximately 3 m by 4.6 m will be constructed. Immediately adjacent to the existing bathroom a second bathroom will be constructed. Both bathrooms will be equipped with 2 sinks, a toilet; and one shower. Single interior wood doors will be installed at the entrance to the two smaller wards. A nurse's station/reception desk will be constructed in the open area that separates the wards.

Significant changes to the existing layout will include dividing the larger room into two wards, constructing a separate office room in the east part of the large ward, adding a small bathroom, and adding a nurse's station/reception desk near the main entrance. The roof downspouts will be replaced. Exterior steps will be constructed at the east exterior entrance way with the height determined by the grade differential. At the west emergency entrance a ramp will be required with a 12 horizontal to 1 vertical slope.

D. Electrical Needs

Each room will have at least one electrical outlet for each 3.7 meters of wall length. The new office room will have a minimum of three light fixtures and the medical treatment/storage room will have a minimum of four (4) light fixtures. The bathrooms will have all previous electrical outlets and lights replaced, except if they did not exist before then all bathrooms will have least two electrical outlets and two light fixtures. The electric panel will be replaced at its former location. Where necessary, wiring will be attached to and exposed on the face of the walls. All wiring will be in metal conduit. Each office and the nurse's station will have phone service; there will be no phones in the wards. Each of the four ward areas will have eight lights. They will also have night lights and three fans per room for the smaller rooms and four fans per room for the larger rooms.

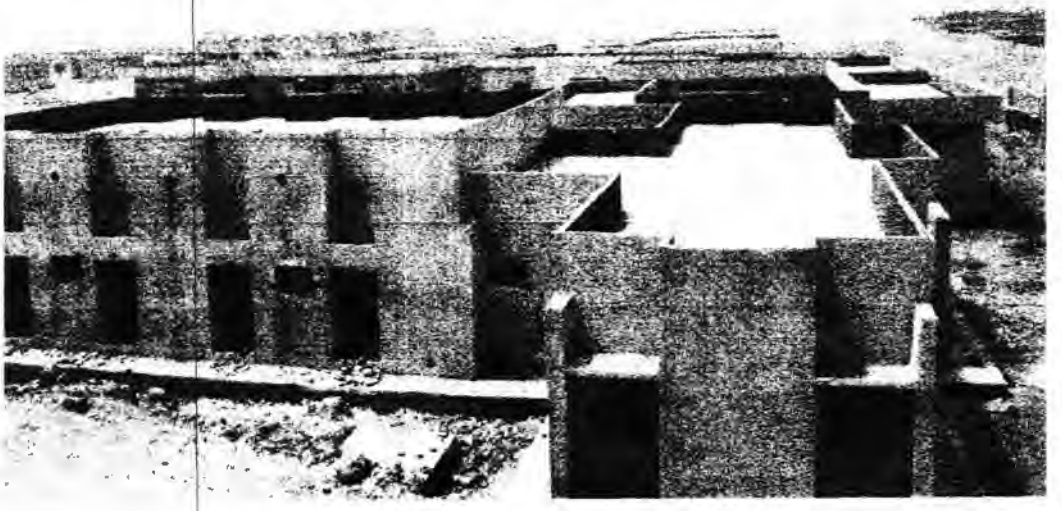
E. Plumbing Needs

There will be two bathrooms; one separate bathroom for men and women. These bathrooms shall have as a minimum one toilet, two sinks, and a shower. There will also be 2 sinks installed in the medical treatment room and one sink installed in the new office area. There will be no toilets in either of these rooms. One 500 liter water tanks will be installed on the roof with the necessary plumbing to each bathroom and office area. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repair List

1. 19 windows with typical security bars
2. 7 interior doors – wood with locking sets
3. 2 exterior doors – metal with locking sets
4. 2 toilets
5. 7 sinks
6. 2 showers
7. 4 bathroom stall doors
8. 1 - 500 liter roof mounted water tank with plumbing

9. 40 light fixtures
10. 40 electrical outlets
11. 17 ceiling fans
12. 9 air conditioners
13. 1 exterior steps/stairs
14. 1 entrance ramp
15. 6 general room repairs and painting
16. 1 electrical panel and all necessary breakers and wiring
17. 3 phone services in office, treatment room, and nurses station
18. replace floor tiles
19. 8 downspouts
20. 1 full height wall
21. 1 nurses station/reception desk
22. 1 bathroom
23. 1 office



Visitor's Center Building

A. Description:

The building is a one story building with basically two rectangular sections. The large rectangular area (12.6 m by 25.4 m) is one open area with high ceilings and steel trusses for the roof support. The smaller attached rectangular section (4.4 m by 10.3 m), on the south wall of the building, contains two rooms; one office area and one large bathroom with showers. The total length of the building is approximately 25.6 m and the total width of the building is approximately 17 m. The total square footage is approximately 376 sq. m. There are three (3) rooms that vary from approximately 12.6 m by 25.4 m to 4.4 m by 5.5 m.

The building is structurally in good condition. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts, roof mounted water tank, and metal roofing were stolen. Minor to moderate damage was inflicted to the walls, ceiling, and floors, especially where the stolen items were removed. Where the windows and doors were removed the frames were generally taken also and wall damage was much more intense. In several of the rooms the floor was damaged where the tiles were removed. There are no rooms that have fire damage. The entire metal roofing was looted over the large open area. The steel roof trusses and purlins remain in place.

The proposed usage of this building is the Visitors Center Building and will be used for the controlled meeting of families with the inmates. It will house separate men and women bathrooms and an office area. The building will require normal security measures.

B. Security Required

The Visitor's Center will require Normal Security Measures. The interior office and bathroom doors will be solid wood with typical locking devices. All necessary electrical outlets can be located in the visitation area and in the individual office room. There will be no electrical outlets in either bathroom. The ceiling fans and light fixtures will not be enclosed in cages. The windows will require typical security bars. The electric panel will be removed from its location on the south wall and relocated to the interior of the office. Both exterior doors will be metal doors, single width. Double entry doors will not be required at any entrance.

C. Repairs and Modifications

All the doors and windows will be replaced. All doors will be replaced with single width doors with metal doors for the exterior doors and wood doors for the interior. Where necessary the excess door widths will be filled in. The double door on the south wall will be eliminated completely and two exterior doors will be installed; one in the east wall (where the visitors will enter) and one in the west wall (where the inmates will enter). The windows vary considerably in size from approximately 2 m wide by 1.9 m high to approximately 0.5 m high by 0.5 m wide. The larger windows in the visitor's

area and the office will be reduced in size to a maximum size of 1 m by 1 m. All windows will have glass and typical security bars

Damage to the walls, floors, and ceiling will be repaired and all the rooms and hallways repainted. The damaged floor tiles will be replaced. All electrical fixtures will be replaced and will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the office only; there will be no phones in the visitation area. All rooms, except the bathrooms, will be modified to accommodate air conditioning units. The wall height in the visitation area is approximately 6.7 m. A suspended ceiling with insulation will be installed at approximately 3 m. The upper area will be an empty void and unused except for wiring.

The entire metal roofing was removed and only the steel trusses and purlins remain. The roofing will be replaced along with the overhangs, fasciae, soffits, and rain gutters.

The large bathroom will be divided into two separate bathrooms to provide a bathroom for men and a bathroom for women. The showers will be eliminated. Each bathroom will have four toilets and four sinks. The existing bathroom door will be relocated and an additional door installed. Two small windows will be installed in the new bathroom.

The sidewalk along the east side of the building has settled and is sloping away from the building. This entire length of sidewalk must be replaced so that it will not be a tripping hazard to visitors. Exterior steps will be constructed at both exterior entrance ways with the height determined by the grade differential.

D. Electrical Needs

The visitation area and the office will have at least one electrical outlet for each 3.7 meters of wall length. The office room will have a minimum of two light fixtures. The bathrooms will have all previous lights replaced, except if they did not exist before then all bathrooms will have at least two light fixtures. There will be no electrical outlets in the bathrooms. The electric panel will be relocated to the interior of the office. Where necessary, wiring will be attached to and exposed on the face of the walls. All exposed wiring will be in metal conduit. All rooms except the bathrooms will have fans and air conditioning units.

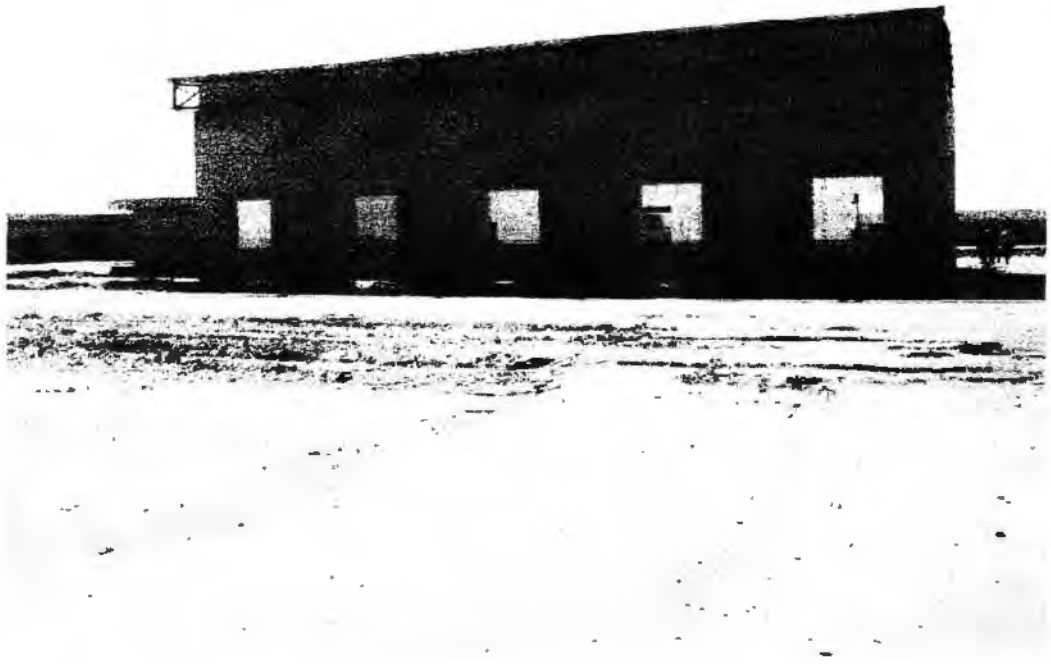
E. Plumbing Needs

There will be two bathrooms; one separate bathroom for men and women. These bathrooms shall have as a minimum four toilets and four sinks. No showers will be installed in either bathroom. One 500 liter water tanks will be installed on the roof with the necessary plumbing to each bathroom. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repair List

1. 16 windows with typical security bars
2. 3 interior doors – wood with locking sets
3. 2 exterior doors – metal with locking sets

4. 8 toilets
5. 8 sinks
6. 16 bathroom stall doors
7. 1 - 500 liter roof mounted water tank with plumbing
8. 21 light fixtures
9. 25 electrical outlets
10. 9 ceiling fans
11. 7 air conditioners
12. 2 exterior steps/stairs
13. 3 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 1 phone service in office
16. replace floor tile
17. replace suspended ceiling
18. replace metal roofing, fascia, and soffits
19. 1 fill in exterior doors
20. 2 install new exterior doors
21. 1 replace sidewalk
22. 1 construct new bathroom walls
23. 4 replace downspouts



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Guard House

A. Description:

The building is a small one story rectangular building. The building is 6 m by 4.6 m and contains two rooms. The total square footage is approximately 27.9 sq. m. There are two (2) rooms that are about equal in size. The west room has three (3) open walls; the east room has one large door, one exterior window and two interior windows. The building is structurally in good condition. All the doors and windows were stolen. Minor damage was inflicted to the walls where the stolen items were removed. Neither room has fire damage.

This building is in a central location between the various holding centers and its proposed usage is a Guard House. It will be used by the guards as a meeting/assembly area for controlling inmate movement and for controlling the interior gates. This building will require normal security measures. One room has three open walls. These walls will be filled in to a height of 1 meter with openings left in two of the three walls. From this room the guards will be able to observe the activities in and around A-Wing, B-Wing, the Juvenile Holding Building, the Female Holding Building, the Segregation Holding Building, the Generator Building, the Kitchen and Recreation Hall, and the "Sally Port" gate. The second room will provide the guards with an area to store their equipment and personal belonging and with a toilet and sink.

B. Security Required

The Guard House will require Normal Security Measures. There will be only one door installed in the Guard House. In the west room the upper portion will remain open for unobstructed observation of the activities in the prison, there will be no windows. There will be two exterior exits from this room but there will be no doors on these exit openings. There will be one interior door leading into the east room. This will be a metal exterior door. Each of the three exterior walls of the east room will have a 1 m by 1 m window with glass and typical security bars. All necessary electrical outlets will be located in this room. There will be no electrical outlets in the west room. The ceiling fans and light fixtures will not be enclosed in cages. The electric panel will be located in the east room.

C. Repairs and Modifications

The large exterior door in the east room will be filled in completely. A door to this room will be installed in the wall between the two rooms. This will be a metal exterior door. The existing window in the east room will be replaced with a 1 m by 1 m window and similar windows will be installed in each of the other two exterior walls. The existing floor has three troughs in it. These troughs will be filled in and overlaid with a screed layer of concrete to create a smooth floor surface all around. The three open walls in the west room will be filled in to a height of 1 meter. From that height up the walls will remain open and minor repairs will be made where necessary. Openings will be left in the north and south walls but no doors will be required. The troughs in the floor of this room will also be filled in to create a smooth floor surface. The two interior windows

will be filled in. A small bathroom with one toilet and one sink will be built in the east room.

D. Electrical Needs

The east room will have three electrical outlets. This room will have a minimum of two light fixtures. The new bathroom will have all one outlet and one light. The west room will have two lights connected to a common dimmer switch. There will a fan installed in the west room. The electric panel will be relocated to the east room. Where necessary, wiring will be attached to and exposed on the face of the walls. All exposed wiring will be in metal conduit. The east room will be equipped with a fan, an air conditioner, and phone service.

E. Plumbing Needs

There will be one small bathroom with a sink and a toilet. One 250 liter water tank will be installed on the roof with the necessary plumbing to the bathroom. All new drain lines will be required.

F. Preliminary Materials and Repair List

1. 3 windows with typical security bars
2. 1 exterior doors – metal with locking sets
3. 1 interior bathroom door
4. 1 toilet
5. 1 sink
6. 1 - 250 liter roof mounted water tank with plumbing
7. 5 light fixtures
8. 3 electrical outlets
9. 2 ceiling fans
10. 1 air conditioning unit
11. 1 general room repairs and painting
12. 1 electrical panel and all necessary breakers and wiring
13. 1 phone service
14. 1 fill in exterior door
15. 3 partially fill in exterior walls
16. 1 install new door opening
17. 2 repair floors
18. 1 construct interior bathroom

Generator - Fuel Tank – Water Tank Building

A. Description:

The building is a one story rectangular building. The building is 11.7 m by 6.7 m and contains three rooms. The total square footage is approximately 79 sq. m. The three (3) rooms are about equal in size (approximately 3.9 m by 6.7 m). Each room has a 0.4 m by 2.4 m window opening near the top of the wall and an 2.6 m by 1.5 m door opening on the wall opposite the window.

This building will be used to house the Electric Generator, the water tanks, the electrical panels and transformers and the water pumps.

The building is structurally in good condition. All the door openings are toward the perimeter wall and all the doors are missing. Minor damage was inflicted to the walls. None of the rooms have fire damage.

B. Security Required

The Generator Building will require Normal Security Measures. The existing door openings are facing in the wrong direction and will be filled in. New openings will be constructed in the opposite wall. In the door openings will be installed metal exterior doors. The doors will be double doors to allow the installation and maintenance of the equipment. In one room will be installed the generator, in another the electrical panels and transformer, and in the third will be the water pump and necessary piping for the prison compound. The long windows just below the roof line will be filled in. When the new door openings are cut they will be on the wrong wall. Similar sized opening will be installed on the opposite wall from the door in the generator bay to allow the heat to escape and to allow air circulation. This window will be open. There will be one interior door opening leading from the Generator room to the transformer room. This door will be a metal exterior door. There will be no interior doors to the room with the water pumps and piping. All three rooms will have new windows with glass and typical security bars in the exterior walls.

C. Repairs and Modifications

All three (3) large exterior doors in the south wall will be filled in completely and three (3) large doors will be installed in the north wall. These will be double exterior metal doors with lock sets. A single metal door will be installed in the wall between the generator room and the transformer room. The three 8 ft by 1.4 ft windows just below the roof line in the north wall will be filled it and one will be installed in the south wall in the room with the generator for air circulation and heat loss. One 1 m by 1 m window will be installed in the south wall of the transformer room and the water pump room and one 1 m by 1 m window will be installed in the east wall of the water pump room and one in the west wall of the generator room. These windows will have glass and typical security bars.

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This building will have no bathrooms but there will be one utility sink in the east room with the water pumps and piping. The fuel tank for the generator will be located outside and next to the west wall.

It will be necessary to install an opening in the south wall of the west room for the generator exhaust. Entrance ramps will be installed at each door. Ramps will have six (6) horizontal to one (1) vertical slope.

D. Electrical Needs

All three rooms will have a minimum of three outlets, three light fixtures, and three night lights. Each room will have two ceiling fans. The electric panel will be relocated to the transformer room. Where necessary, wiring will be attached to and exposed on the face of the walls. All exposed wiring will be in metal conduit. The transformer room will be equipped with phone service.

E. Plumbing Needs

There will be no bathrooms in this building. There will be one utility sink in the water pump room. Two 1500 liter water tanks will be installed on the roof with all the necessary plumbing to connect to the water pump in the east room.

F. Preliminary Materials and Repair List

1. 4 windows with typical security bars
2. 3 exterior doors – metal with locking sets
3. 1 exterior metal door and door opening
4. 1 - sink
5. 2 - 1500 liter roof mounted water tanks with plumbing
6. 9 light fixtures
7. 9 electrical outlets
8. 6 ceiling fans
9. 3 general room repairs and painting
10. 1 electrical panel and all necessary breakers and wiring
11. 1 phone service
12. 3 relocate exterior doors
13. 3 fill in 3 vent openings
14. 1 install vent opening and exhaust opening

Kitchen and Recreation Hall Building

A. Description:

The building is a one story rectangular building with two small rectangular protrusions on the east and west walls. The large rectangular area (14.6 m by 29.9 m) is an open area with high ceilings (wall height 6.7 m) and a concrete roof. This will be used as the recreational area. The smaller section attached to the south end of the recreation area has a lower ceiling and it contains the kitchen and bathrooms. The bathroom, which is 5.5 m by 3 m, only has one door which opens directly into the recreational area; there is no direct connection into the kitchen area. The kitchen area consists of three (3) rooms. One room is 14.6 m by 4.6 m, the second room is 8.5 m by 3 m, and the third room is 5.5 m by 3 m. The 5.5 m by 3 m room will be used for storage. The 14.6 m by 4.6 m and 8.5 m by 3 m rooms will be used for food preparation and for meal distribution. The total square footage is approximately 575 sq. m.

There are two (2) doors that go from the kitchen area into the recreational area. There are no exterior doors that lead directly from the recreational area. There are two (2) exterior doors from the kitchen area. The recreation area has various sized windows from 4.6 m by 3.2 m to 0.8 m by 0.7 m. The kitchen area also has various sized windows from 4.2 m by 1 m to 0.5 m by 0.5 m. This building has 32 window openings.

All electrical units and wiring were looted. All kitchen appliances were looted. A concrete shelf/table area in the kitchen has settled and will be removed and replaced. The bathroom consists of 2 toilets and five (5) sinks. All bathroom fixtures were looted.

The building is structurally in good condition. The only structural deficiency is the concrete table area in the kitchen that has settled. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls and floors, especially where the stolen items were removed. There was a suspended ceiling in the recreational area, but it was completely destroyed. There are no rooms that have fire damage.

The proposed usage of part of this building is the Kitchen for the preparation of basic meals and the Recreational Hall to provide the inmates with an opportunity for exercise. The building will require high security measures.

B. Security Required

The Kitchen and Recreational Hall will require High Security Measures. All interior doors will be metal with typical locking devices. All electrical outlets will be removed from the Recreational Hall and all electrical outlets in the Kitchen Area will have locking devices that cover them. The kitchen area will be off limits to the general population of inmates. There will be no electrical outlets in the bathroom. Even though the ceilings in the Recreational Hall are high, the ceiling fans will be enclosed in cages and the light fixtures will be of a bulkhead type. All of the large windows will be reduced in size and several of the windows will be eliminated. The windows will

require high security bars and will be placed at a level with the bottom edge at 1.5 meter. All electric panels and/or boxes will be located in the Kitchen area; there will be no electric panels in the Recreational area.

All doors will be metal doors, single width. All doors will have locking devices except the bathroom doors. Double entry doors will not be required at any entrance. There will no direct access into the kitchen area from the Recreational area. The existing doors will be removed. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

All the doors and windows will be either be replaced, resized, or filled in. All doors that are replaced will be replaced with single width metal doors. Where necessary the excess door widths will be filled in. The two (2) doors into the kitchen area from the recreational area will be eliminated; there will be no direct access between the kitchen and the recreational area. Two (2) new doors will be installed in the east wall of the recreational building; one near the north end and one near the south end. The door to the bathroom will be relocated near the east wall so that the bathroom can be subdivided.

The windows in the recreational area vary considerably in size from approximately 4.6 m wide by 3.2 m high to approximately 0.8 m by 0.8 m wide. All the windows will be removed from the recreational area and replaced with 1 m by 1 m barred windows. There will be two (2) windows evenly spaced between the building columns (12 windows per side) and there will be four (4) 1 m by 1 m windows on the north wall. There will be no openings retained for air conditioning units.

The windows in the kitchen area vary considerably in size from approximately 4.2 m wide by 1 m high to approximately 0.5 m by 0.5 m wide. All the windows will be removed from the kitchen area and replaced with 1 m by 1 m barred windows. There will be two (2) windows evenly spaced in the east and west walls and there will be four (4) 1 m by 1 m windows on the south wall. There will be no openings retained for air conditioning units.

The remnants of the suspended ceiling will be removed and not replaced in the recreational area. This area will be used for exercise activities which may include such sports as basketball or volleyball.

Damage to the walls, floors, and ceiling will be repaired and all the rooms repainted. The damaged floor tiles in the kitchen will be replaced. All the floor tiles in the recreational area will be removed and the floor covered with a screed layer of concrete. In the kitchen area all electrical light fixtures will be replaced and will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the kitchen only; there will be no phones in the recreation area.

The bathroom will be divided into two separate bathrooms to provide a bathroom for the kitchen area and one for the recreation area. The bathroom for the recreational area will have three toilets and three sinks. The bathroom for the kitchen area will

have two toilets and two sinks. Splitting the existing bathroom will require building a solid wall full height and rebuilding partitions within the bathroom areas. A door will be installed from the kitchen area and the door from the recreational area may have to be relocated. There will be no windows in the new kitchen bathroom because of its interior location. The tile flooring in the recreational bathroom will be removed an a screed layer of concrete placed on the floor

Exterior steps will be constructed at both exterior entrance ways with the height being as needed by the grade differential. All downspouts will be replaced.

D. Electrical Needs

The recreation area will have no electrical outlets or electrical panels. Lights, night lights, and ceiling fans will be installed near the roof to protect them from recreational activities. The lights will be the bulkhead type and the fans will be in metal cage enclosures. The kitchen area will have a minimum of twelve light fixtures and seven ceiling fans. The recreation area will have 20 bulkhead type lights and 14 fans. Wiring in the kitchen area will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the kitchen only; there will be no phones in the recreation area. The bathrooms will have all previous lights replaced, except if they did not exist before, then the bathroom will have at least three light fixtures. In both bathrooms the light fixtures will be a bulkhead type. There will be no electrical outlets in either bathroom. The electric panel will be relocated to a secure location in the kitchen area within a locking enclosure. Where necessary, wiring will be chased in the walls with ducts.

E. Plumbing Needs

There will be two bathrooms; one separate bathrooms for the recreational area and one for the kitchen area. The recreational bathrooms will have a minimum of three toilets and three sinks; the kitchen bathroom will have a minimum of two toilets and two sinks. No showers will be installed in either bathroom. The kitchen area will have a minimum of two restaurant size sinks. One 500 liter water tanks will be installed on the roof with the necessary plumbing to each bathroom and the kitchen sinks. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Material List

1. 39 windows with high security bars
2. 5 interior doors – metal with locking sets
3. 3 exterior doors – metal with locking sets
4. 5 toilets
5. 5 sinks
6. 5 bathroom stall doors
7. 1 - 500 liter roof mounted water tank with plumbing
8. 38 light fixtures and nightlights
9. 20 electrical outlets
10. 21 ceiling fans

11. 3 exterior steps/stairs
12. 5 general room repairs and painting
13. 1 electrical panel and all necessary breakers and wiring
14. 1 phone service in kitchen office
15. 1 replace kitchen concrete table/shelf
16. 3 fill in door openings
17. 4 install new doors and openings
18. 1 remove suspended ceiling in recreation area
19. 2 remove floor tile and replace with concrete
20. 1 subdivide bathroom
21. 6 replace downspouts

A - Wing and B – Wing Buildings

A. Description:

A - Wing and B – Wing each consist of a cluster of four (4) identical one story buildings. Each of the eight (8) buildings is rectangular 19.5 m long by 12.2 m wide and have a smaller rectangular entrance way that is 9.1 m wide by 2.1 m deep. There are two (2) large open areas in the 19.5 m by 12.2 m section that will be used as men's wards. The entrance way consists of two foyer areas approximately 2.7 m by 2.1 m. Between the two foyers is a 3.8 m by 2.1 m room. This room will be used as the guard station. There were no bathrooms in any of the eight buildings. The total square footage of each building is approximately 312 sq. m.

Each of the eight buildings is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, roof downspouts and roof mounted water tank (if there were any) were stolen. Minor damage was inflicted to the walls and floors, especially where the stolen items were removed. There are no rooms that have fire damage.

Each of the large open areas has one door that exits into one of the two foyer areas. This door is 1.8 m high by 1.3 m wide. From the foyer to the exterior is a second door opening that is identical in size. This door arrangement is typical for both ward areas of all eight buildings. In the long exterior walls there are twelve (12) 0.5 m by 1.2 m window openings and four (4) 0.24 m by 0.24 m vent openings near the ceiling level. In the short rear wall there is one 1.8 m wide by 1.3 m high window opening in the center of the wall. This arrangement of windows is typical for both wards in each building and typical for all eight buildings. The floors have tiles on them. The two foyers in each building and in all eight buildings are identical in size and consist of an open area with a 1.8 m by 1.3 m door opening in and a 1.8 m by 1.3 m door opening out. One foyer area in each building also has a door opening into the guard room. This door opening is 2.1 m by 0.8 m. There are no windows in the foyer areas. The guard room has the one entrance door, one large window, and one vent opening. The window size is 1.8 m by 1.3 m and is located in the front wall. The vent opening is just above the window and is 0.24 m by 0.24 m. There are no windows openings into the ward areas. The electric panel for each building was located in the foyer, without the door to the guard room.

The proposed usage of part of this building is house male inmates. Each ward area will have 24 bunk beds for housing 48 inmates. Each building will require high security measures.

B. Security Required

Each of the eight buildings in A – Wing and B – Wing will require High Security Measures. All interior doors will be metal bars with sliding dead bolt and clasp locking devices with padlocks. All doors will open outward and will have the potential for swinging 180 degrees. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at

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1.5 meters. No electrical outlets will be installed in the ward areas. All ceiling fans will be enclosed in cages. All lights will be the bulkhead type. All electrical outlets and electric panels and/or boxes will be located inside the guard room. The fan and lights in the guard room will not require enclosures. All attachment hardware, such as bolts and screws, will be tamper proof.

The door to the guard room will be metal exterior doors, single width. All doors will have locking devices. Double entry doors will not be required at any entrance.

C. Repairs and Modifications

All the doors and windows will be replaced, resized or partially filled in. All doors will be replaced with either high security doors with bars or single width metal exterior doors. Where necessary the excess door widths will be filled in. Both door openings in each of the foyers will receive high security doors with the bars and sliding bolt locking devices. The one door into the guard room will be removed and replaced with a high security barred window. A new door will be installed in the front wall in place of the existing window; it will be a metal exterior door with dead bolt lock set. There will be a total of five (5) doors installed in each building.

The windows in the ward areas will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.6 m. The vent openings will be covered with high security bar windows. The size will match the existing. The large opening in the rear wall will be replaced with two (2) 0.5 m by 0.6 m high security bar windows. These windows will be evenly spaced. The large window in the guard room will be replaced with one exterior metal door. The existing door will be replaced with a high security barred window. A second high security barred window will be installed in the common wall with the other foyer. These will be high security 1 m by 1 m windows.

All fans will be placed in steel cage enclosures, except in the guard room. All lights will be of the bulkhead type.

In each ward two toilets and two sinks will be installed. Privacy will be provided through the construction of 1 meter high partitions. These toilets will be located side by side and on exterior walls.

All tiles on the floors will be removed and replaced with a screed layer of concrete. Exterior steps will be constructed at the exterior entrance ways with the height being determined by the grade differential.

D. Electrical Needs

The ward areas will have no electrical outlets or electrical panels. Lights, night lights, and ceiling fans will be installed on and close to the ceiling. The fans will be in metal cage enclosures that will protect them from vandalism. The lights will be of the bulkhead type. All rooms will have night lights. The cages will be constructed so that they cannot be used as handhold or anchorage points. There will be no air conditioners in any of the buildings. Wiring in the guard area will include a minimum of

one outlet for each 3.7 meters of wall length or 3 per room. Phone service will be provided in the guard room only; the purpose of these phones is to remain in contact with the rest of the prison security. Where necessary, wiring will be chased in the wall with ducts.

E Plumbing Needs

There will be two toilets and two sinks in each ward. There will be 1 meter high partitions around the toilets for privacy. There will be no toilet facilities in the guard rooms. One 250 liter water tank will be installed on the roof with the necessary plumbing to the toilets and sinks.

F. Preliminary Materials and Repair List

1. 240 windows with high security bars
2. 8 exterior doors – metal with locking sets
3. 32 exterior security doors – metal with locking sets
4. 32 toilets
5. 32 sinks
6. 32 toilet privacy walls
7. 8 - 500 liter roof mounted water tank with plumbing
8. 112 light fixtures and nightlights
9. 24 electrical outlets
10. 72 ceiling fans
11. 8 exterior steps/stairs
12. 24 general room repairs and painting
13. 8 electrical panel and all necessary breakers and wiring
14. 8 phone service in guard room
15. 16 remove floor tiles from rooms and replace with concrete
16. 32 replace downspouts

C - Wing Buildings

A. Description:

The C - Wing Buildings consist of a cluster of three (3) identical one story buildings. Each of the three (3) buildings is basically "C" shaped with straight sides 32.3 m long by 12.8 m wide and have a rectangular area 15.7 m by 5 m removed from the courtyard side. Each building consists of six (6) rooms and a long hallway. There are three exterior doors in each building; one at each end of the hallway and one into the central courtyard. There were no bathrooms in any of the three buildings. The total square footage of each building is approximately 332 sq. m.

Each of the three buildings is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, roof downspouts and roof mounted water tank (if there were any) were stolen. Minor damage was inflicted to the walls and floors, especially where the stolen items were removed. There are no rooms that have fire damage.

Each of the rooms has one door that exits into one of the hallway. These doors are 2 m high by 1 m wide. From the hallway to the exterior are three door openings that is identical in size; they are 2.1 m high by 2 m wide. This door arrangement is typical for all three buildings. There are fifteen window openings in each building. All the windows are 2 m by 1.2 m. Each room has two windows and there are three windows from the hallway to the exterior. This arrangement of windows is typical for all three buildings buildings. The floors have tiles on them. The electric panel for each building was located in the hallway adjacent to the door leading to the courtyard

The proposed usage of part of this building is house male inmates. Each ward area will have 10 bunk beds for housing 20 inmates. Each building will require high security measures.

B. Security Required

Each of the three buildings in C – Wing requires High Security Measures. All interior doors will be metal bars with sliding dead bolt and clasp locking devices with padlocks. All doors will open outward and will swing 180 degrees. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at 1.5 meters. No electrical outlets will be installed in any of the rooms. All ceiling fans will be enclosed in cages. All lights will of the bulkhead type. All electrical outlets and electric panels and/or boxes will be located in an area controlled by the guards. Two of the exterior doors will be removed and the only exterior door will be into the courtyard. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

All the doors and windows will be replaced, resized, partially filled in, or totally removed. All doors will be replaced with high security doors with bars, dead bolts.

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locking clasps, and padlocks. Where necessary the excess door widths will be filled in. Both doors at the ends of the hallway will be filled; only the exterior door to the courtyard will remain in use. Each room will also have the high security doors with bars, dead bolts, locking clasps, and dead bolts. All doors will swing outward and have the potential to travel 180 degrees. There will be seven (7) doors installed at each building.

All windows will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.6 m and will be installed with to bottom edge at a level of 1.5 meters above the floor.

All fans will be placed in steel cage enclosures. All lights will of the bulkhead type. All rooms will have night lights.

In each room one toilet and one sink will be installed. Privacy will be provided through the construction of 1 meter high partitions. These toilets will be located on the exterior wall.

D. Electrical Needs

The rooms will have no electrical outlets or electrical panels Lights, night lights, and ceiling fans will be installed on and close to the ceiling. There will be 2 fans and 3 lights per room. The fans will be in metal cage enclosures that will protect them from vandalism. The cages will be constructed so that they cannot be used as handhold or anchorage points. The lights enclosures will be bulkhead type. There will be no air conditioners in any of the buildings.

*****QUESTION Where are the guards going to be?******

Wiring in the guard area will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the guard room only; the purpose of these phones is to remain in contact with the rest of the prison security. Where necessary, wiring will be chased in the wall in ducts.

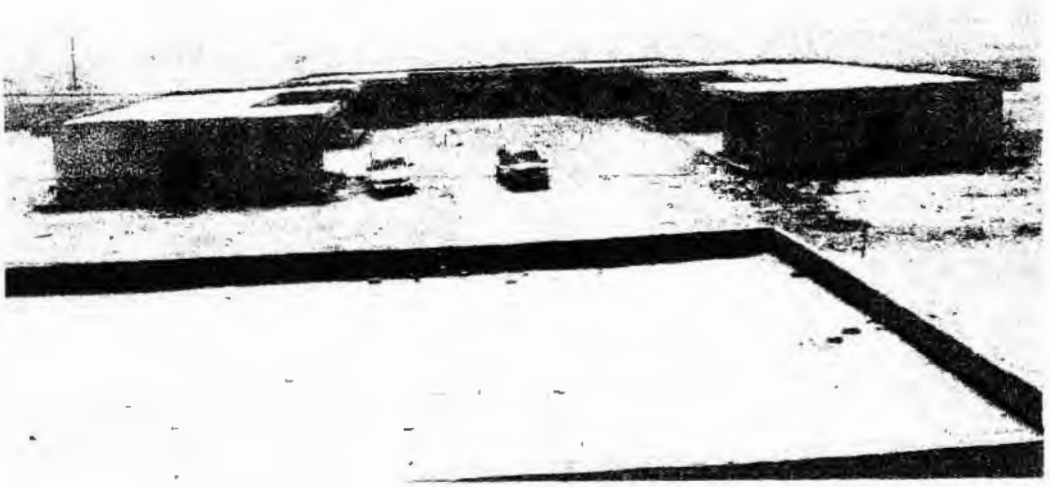
E. Plumbing Needs

There will be one toilet and one sink in each room. There will be 1 meter high partitions around the toilet for privacy. One 250 liter water tank will be installed on the roof with the necessary plumbing to the toilet and sink.

F. Preliminary Materials and Repair List

1. 45 windows with high security bars
2. 18 interior security doors – metal bars with locking sets
3. 3 exterior security doors – metal bars with locking sets
4. 18 toilets
5. 18 sinks
6. 18 toilet privacy walls
7. 3 - 250 liter roof mounted water tank with plumbing

8. 54 light fixtures and nightlights
9. 9 electrical outlets
10. 36 ceiling fans
11. 18 general room repairs and painting
12. 3 electrical panel and all necessary breakers and wiring
13. 3 phone service in guard room
14. 18 remove floor tiles from rooms and replace with concrete
15. 6 fill in exterior door openings
16. 9 replace downspouts



Bathroom Buildings for A – Wing, B – Wing, and C – Wing

A. Description

The Bathroom Buildings for the three wings are identical. There are a total of five buildings; two in A - Wing, two in B – Wing and one in C - Wing. Each building is 8.1 m long by 7.8 m wide. The total square footage of each building is approximately 63 sq. m. The buildings contain 10 toilets and 2 sinks. There is a full height wall down the middle of the building and there are five partial height partitions on each side of the wall. There is one exterior door which is 2 m by 1.3 m. There are four windows and 10 vent openings. Two windows are 1 m by 1.3 m and two windows are 0 5 m by 0.9 m. The vents are 0.5 m by 0.5 m. There is tile on the floors.

Each of the five buildings is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tanks were stolen. Minor damage was inflicted to the walls and floors, especially where the stolen items were removed. None of the five buildings have fire damage.

The proposed use of these buildings is restroom and shower facilities. Each building will require high security measures.

B. Security Required

Each of the five bathroom and shower facilities will require High Security Measures. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at 1.5 meters. No electrical outlets will be installed in any of the bathrooms. All light fixtures will be a bulkhead type design. There will be no ceiling fans. All light switches will be in locking enclosures controlled by the guards. The exterior door will remain open. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

All the windows will be replaced. Where necessary the excess window openings will be filled. The one exterior door will remain open. All windows will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.5 m and will be installed with to bottom edge at a level of 1.5 m above the floor.

All lights will be replaced with bulkhead type light fixtures.

The facilities in each bathroom will be changed from ten (10) toilets and two (2) sinks to four (4) toilets, six (6) showers and two (2) sinks. Partial height partitions will be relocated as necessary.

The tiles on the floor will be removed and replaced with a screed layer of concrete. Exterior steps will be constructed at the entrance ways with the height determined by the grade differential.

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D. Electrical Needs

The bathrooms will have no electrical outlets or electrical panels. Lights and night lights will be installed on and close to the ceiling in bulkhead type fixtures. There will be no fans or air conditioners in any of the bathrooms. All wiring will be chased in the wall in ducts.

E. Plumbing Needs

There will be four toilets, six showers, and two sinks in each building. One 1000 liter water tank will be installed on the roof with the necessary plumbing to the toilets, showers, and sinks. The existing drain lines will be cleaned out from the building to their destination and repaired or replaced as necessary.

F. Preliminary Materials and Repairs List

1. 42 windows with high security bars
2. 20 toilets
3. 10 sinks
4. 30 showers
5. 50 relocate bathroom partial height partitions
6. 50 bathroom stall doors
7. 5 - 1000 liter roof mounted water tank with plumbing
8. 30 light fixtures
9. 5 exterior steps/stairs
10. 10 general room repairs and painting
11. 5 electrical panel and all necessary breakers and wiring
12. 5 remove all floor tile from each bathroom and replace with concreter
13. 10 replace downspouts

Juvenile Holding Building

A. Description:

The Juvenile Holding Building is a "C" shaped one story building. Basically the building consists of three rectangular sections connected near the ends. One rectangle is 15.7 m by 4.6 m, which forms the back side and the other two rectangles are 12.6 m by 4.6 m and are perpendicular to the backside. The total square footage of this building is approximately 194 sq. m. The building consists of nine (9) rooms. Each room has one (1) exterior door and has two to four windows. Of the nine rooms one is a bathroom with two toilets and two sinks; there are no showers.

This building is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls and floors, especially where the stolen items were removed. There are no rooms that have fire damage.

Each of the rooms has one door that exits into one of the courtyard. The doors are 2.1 m high by 1 m wide, except for the door to the bathroom which is 2.1 m high by 0.9 m wide. There are twenty seven windows which vary in size from 0.8 m by 0.54 m to 1 m by 1 m. The floors have/had tiles on them. The electric panel for the building was located in a wall on the courtyard side.

The proposed usage of part of this building is to house juvenile inmates. This building will require high security measures.

B. Security Required

Each room in the Juvenile Holding Building will require High Security Measures. All doors will be bars with sliding dead bolt and clasp locking devices with padlocks. All doors will open outward and will swing 180 degrees. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at 1.5 meters. No electrical outlets will be installed in any of the rooms. All ceiling fans will be enclosed in cages. All lights will be bulkhead type fixtures. All rooms will have night lights. All electrical outlets and electric panels and/or boxes will be located in an area controlled by the guards. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

All the doors will be replaced. All doors will be replaced with high security doors with bars, dead bolts, locking clasps, and padlocks. Where necessary the excess door widths will be filled in. All doors will swing outward and have the potential to travel 180 degrees. There will be eight (8) doors installed at this building.

All windows will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.6 m and will be installed with the bottom edge at a

level of 1.5 meters above the floor. The second windows will be 0.5 m by 0.5 m in size. Five rooms will have two windows (one large and one small). The larger room will have four windows (two large and two small). The rooms on the side toward the Female Holding Building will only have one window (large); there will be no windows in the wall facing the Female Holding Building. The bathroom will have two vent openings (small) on the side not facing the Female Holding Building. There will be aq total of 18 openings.

All fans will be placed in steel cage enclosures attached with tamper proof hardware. All lights will be in bulkhead type fixtures.

All floor tiles will be removed and the floor will be covered with a layer of screed concrete.

In each room one toilet and one sink will be installed. Privacy will be provided through the construction of 1 meter high partitions. These toilets will be located on the exterior wall. The existing bathroom will be changed from two toilets and two sinks to one toilet, one sink, and two showers. The partial height partitions will have to be removed and rebuilt.

Exterior steps will be constructed at both entrance ways with the height being determined by the grade differential. There is a solid wall that partially encloses the courtyard for this building. Two openings will be cut in the wall near the rooms to allow the inmates to pass through. The existing single opening will be filled in.

D. Electrical Needs

The rooms will have no electrical outlets or electrical panels. Lights, night lights, and ceiling fans will be installed on and close to the ceiling. The fans will be in metal cage enclosures that will protect them from vandalism. The cages will be constructed so that they cannot be used as handhold or anchorage points. There will be no air conditioners in any of the buildings. Each room will have one fan except for the large room which will have two and the bathroom which will have none. All lights will use bulkhead type fixtures. There will be one light in each room except the larger room which will have two. There will be night lights in each room. Where necessary, wiring will be chased in the walls in ducts.

*****QUESTION Where are the guards going to be?******

Wiring in the guard area will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the guard room only; the purpose of these phones is to remain in contact with the rest of the prison security.

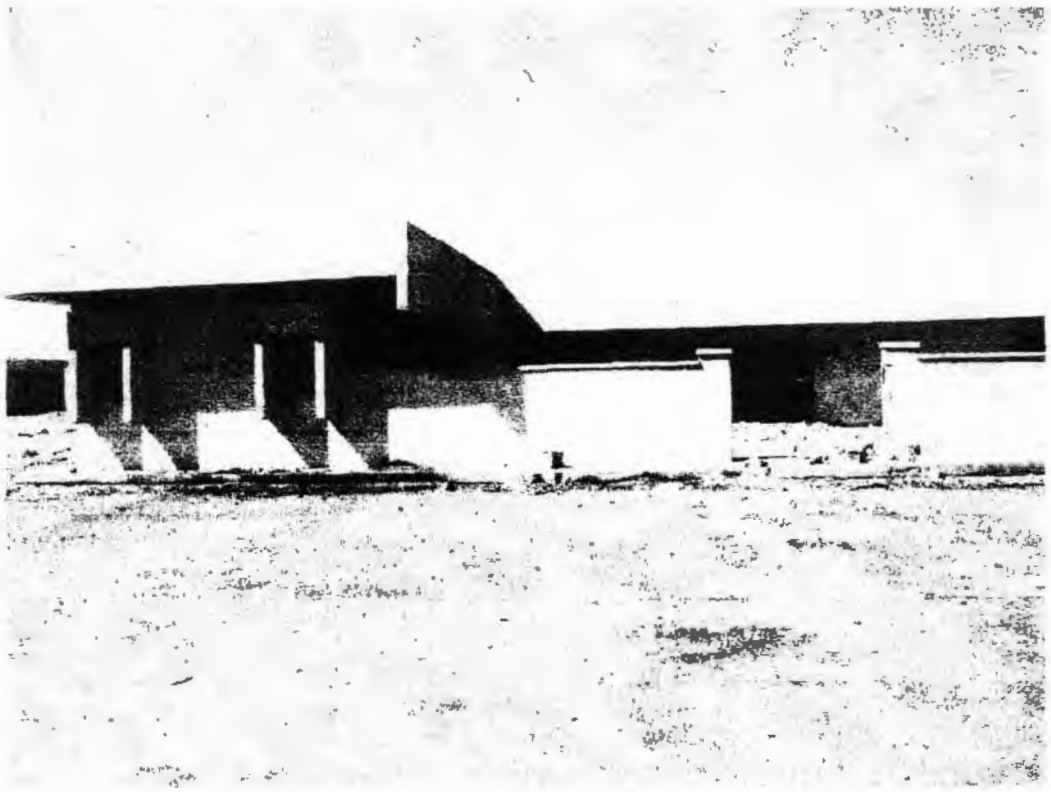
E. Plumbing Needs

There will be one toilet and one sink in each room. There will be 1 meter high partitions around the toilet for privacy. In the separate bathroom there will be one sink, one toilet, and two showers installed. The partitions will be reinstalled for the new

configuration. One 500 liter water tank will be installed on the roof with the necessary plumbing to the toilets, sinks, and showers.

F. Preliminary Material List

1. 18 windows with high security bars
2. 8 exterior security doors – metal bars with locking sets
3. 9 toilets
4. 9 sinks
5. 2 showers
6. 8 toilet privacy walls
7. 3 bathroom stall doors
8. 1 - 500 liter roof mounted water tank with plumbing
9. 10 light fixtures and nightlights
10. 3 electrical outlets
11. 9 ceiling fans
12. 2 exterior steps/stairs
13. 9 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 1 phone service in guard room
16. 9 remove floor tile from rooms and replace with concrete
17. 2 cut openings in courtyard wall
18. 1 fill in opening in courtyard wall
19. 4 replace downspouts



Female Holding Building

A. Description

The Female Holding Building is a rectangular shaped one story building. It is basically 17.2 m long by 8.2 m wide. The total square footage of this building is approximately 124 sq. m. The building consists of four (4) rooms and a small entrance area. None of the four rooms have an exterior entrance; the entrance to all four rooms is through the small entrance area. The two rooms at the opposite ends of the building have two windows and an air conditioning opening, one of the interior rooms has one window and an air conditioning opening, and the bathroom has no windows. Of the four rooms one is a bathroom with toilets, sinks, and showers.

This building is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls and floors, especially where the stolen items were removed. The floors have/had tiles on them. The floor tile has been partially removed. There are no rooms that have fire damage.

The doors are 2.1 m high by 1 m wide, except the bathroom door which is 2.1 m high by 0.9 m wide. There are five windows, which are 2 m wide by 1.2 m high, and there are four openings for air conditioners, which are 0.8 m wide by 0.6 m high. The electric panel for the building was located in the small entrance way.

The proposed usage of part of this building is to house female inmates. This building will require high security measures.

B. Security Required

Each room in the Female Holding Building will require High Security Measures. All doors will be solid metal with sliding dead bolt and clasp locking devices with padlocks. Solid metal will be used in this building for privacy for the females. All doors will open outward and will swing 180 degrees. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at 1.5 meter for privacy measures. In the north and south rooms there will be no windows in the walls toward the B-Wing Buildings. No electrical outlets will be installed in any of the rooms. All ceiling fans will be enclosed in cages. All lights will use bulkhead type fixtures. All rooms will have night lights. All electrical outlets and electric panels and/or boxes will be located in an area controlled by the guards. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

All interior doors will be replaced with high security solid metal doors with dead bolts, locking clasps, and padlocks. The exterior door will be the security door with bars and dead bolt, locking clasp, and padlock. Where necessary the excess door widths will

be filled in. All doors will swing outward and have the potential to travel 180 degrees. There will be five (5) doors installed in this building.

All windows will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.6 m and will be installed with the bottom edge at a level of 1.5 meters above the floor. There will be two windows in the west wall in each room, except the bathroom. There will be five windows in the north and south walls, and there will be two windows in the east wall of the two end rooms on opposite ends of the building. Three 0.24 m by 0.24 m vent windows will be installed in the room with the bathroom and showers. These vent windows will be close to the ceiling and also covered with the security bars.

All fans will be placed in steel cage enclosures.

All floor tiles will be removed and the floor will be covered with a layer of screed concrete.

In each of the female wards two toilets and two sinks will be installed. Privacy will be provided through the construction of 1 meter high partitions. These toilets will be located on the exterior wall. The existing bathroom will be changed to include three toilet, four sinks, and four showers. The partial height partitions will have to be removed and rebuilt.

Exterior steps will be constructed at the entrance way with the height being determined by the grade differential.

D. Electrical Needs

The rooms will have no electrical outlets or electrical panels. Lights, night lights, and ceiling fans will be installed on and close to the ceiling. The fans will be in metal cage enclosures that will protect them from vandalism. The cages will be constructed so that they cannot be used as handhold or anchorage points. There will be no air conditioners in any of the buildings. Each room will have two fans except for the bathroom which will have none. Each room will have two lights including nightlights except the bathroom which will have three. Where necessary, wiring will be chased in the walls in ducts.

*****QUESTION Where are the guards going to be?******

Wiring in the guard area will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the guard room only; the purpose of these phones is to remain in contact with the rest of the prison security.

E. Plumbing Needs

There will be two toilets and two sinks in each room. There will be 1 meter high partitions around the toilet for privacy. The separate bathroom will have three toilets, four sinks, and four showers. One 500 liter water tank will be installed on the roof with the necessary plumbing to the toilets, sinks, and showers.

F. Preliminary Materials and Repair List

1. 23 windows with high security bars
2. 5 exterior security doors – metal bars with locking sets
3. 9 toilets
4. 10 sinks
5. 4 showers
6. 6 toilet privacy walls
7. 7 bathroom stall doors
8. 1 - 500 liter roof mounted water tank with plumbing
9. 10 light fixtures and nightlights
10. 3 electrical outlets
11. 8 ceiling fans
12. 1 exterior steps/stairs
13. 4 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 1 phone service in guard room
16. 4 remove floor tile from rooms and replace with concrete
17. 1 rebuild bathroom partitions
18. 4 replace downspouts

Segregation Building

A. Description:

The Segregation Holding Building is a "C" shaped one story building. Basically the building consists of four rectangular sections connected at the ends. One rectangle is 31.9 m by 3 m, which forms the back side, the two sides are rectangles are 14.3 m by 3 m, and the fourth section is 10 m by 3 m. The total square footage of this building is approximately 214 sq. m. The building consists of eighteen (18) rooms. Each room has at least one exterior door and two windows. Four of the rooms have two doors. Three rooms have three windows and four rooms have four windows. Of the eighteen rooms one is a bathroom with two toilets and two sinks; there are no showers.

This building is structurally in good condition. There were no structural deficiencies noted anywhere. All the doors, windows, electrical fixtures and wires, electrical panel, bathroom fixtures, roof downspouts and roof mounted water tank were stolen. Minor to moderate damage was inflicted to the walls and floors, especially where the stolen items were removed. This building has more extensive damage than the other buildings in this compound. There are no rooms that have fire damage.

Each of the rooms has one door that exits into the courtyard. The doors are 2 m high by 0.9 m wide. There are forty five windows which are either 0.9 m by 0.3 m or 1 m by 1.2 m. The floors have/had tiles on them. The electric panel for the building was located in a wall on the courtyard side.

The proposed usage of this building is to segregate the worst inmates from the rest of the inmate population. This building will require high security measures.

B. Security Required

Each room in the Segregation Building will require High Security Measures. All doors will be solid metal with sliding dead bolt and clasp locking devices with padlocks. All doors will open outward and will swing 180 degrees. All windows will be reduced in size and will be covered with bars in a grid patterns. The grid openings will not be large enough to allow an average hand to pass through. The windows will be placed at a level with the bottom edge at 1.5 meters. No electrical outlets will be installed in any of the rooms. All ceiling fans will be enclosed in cages. All lights will use bulkhead type fixtures. All electrical outlets and electric panels and/or boxes will be located in an area controlled by the guards. All attachment hardware, such as bolts and screws, will be tamper proof.

C. Repairs and Modifications

Each room will have installed one high security solid metal doors with bars, dead bolts, locking clasps, and padlocks. All additional doors will be filled in. Where necessary the excess door widths will be filled in. All doors will swing outward and have the potential to travel 180 degrees. There will be seventeen (17) doors installed in this building.

Thirty one windows will be replaced with smaller sized high security bar windows. The maximum size will be 0.5 m by 0.6 m and will be installed with the bottom edge at a level of 1.5 meters above the floor. The second windows will be 0.24 m by 0.8 m in size. The rooms on the side toward the Female Holding Building will only have one window with no window on the Female Holding Building side. The bathroom will have two vent openings on the side not facing the Female Holding Building.

All fans will be placed in steel cage enclosures.

All floor tiles will be removed and the floor will be covered with a layer of screed concrete.

In each room one toilet and one sink will be installed. Privacy will be provided through the construction of 1 meter high partitions. These toilets will be located on the exterior wall. The existing bathroom will be changed from two toilets and two sinks to one toilet, one sink, and two showers. The partial height partitions will have to be removed and rebuilt.

Exterior steps will be constructed at both entrance ways with the height being determined by the grade differential. There is a solid wall that partially encloses the courtyard for this building; there are two openings through this wall. A new opening will be cut in the wall near the southeast rooms to allow the inmates to pass through. The opening near this new cut will be filled in. The second opening is correctly located and will be used after being repaired.

D. Electrical Needs

The rooms will have no electrical outlets or electrical panels. Lights, night lights, and ceiling fans will be installed on and close to the ceiling. All fans will be in metal cage enclosures that will protect them from vandalism. The cages will be constructed so that they cannot be used as handholds or anchorage points. All lights will be bulkhead type fixtures. Night lights will be installed in each room. There will be no air conditioners in any of the buildings. Each room will have one fan except for the bathroom which will have none. Each room will have one light including nightlight except the bathroom which will have two. Where necessary, wiring will be chased in the walls in ducts.

QUESTION Where are the guards going to be?*

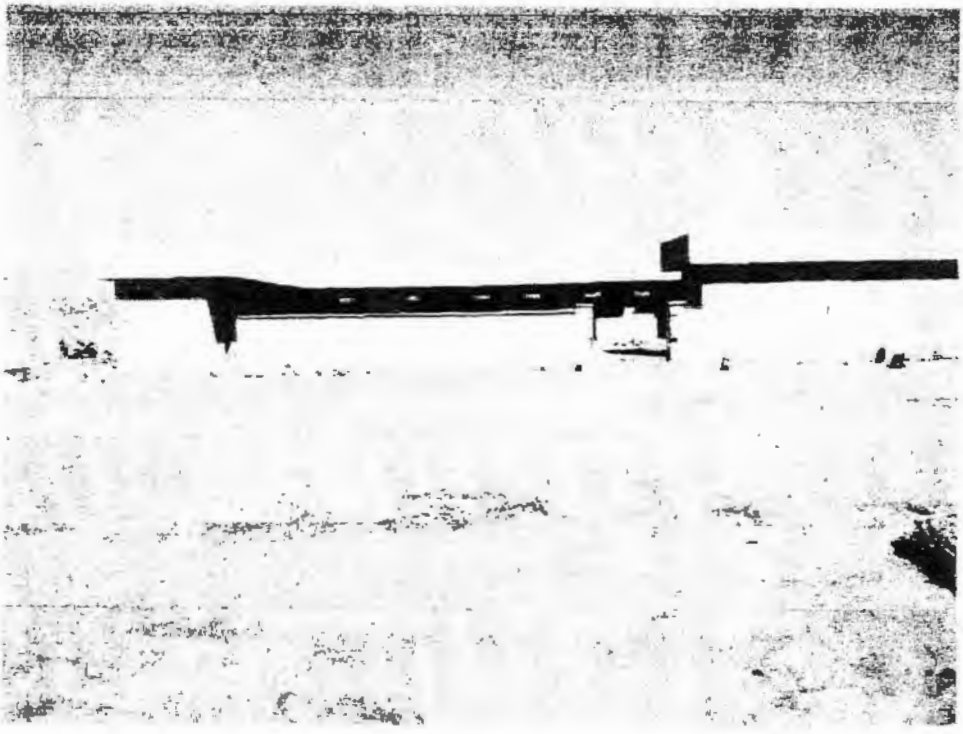
Wiring in the guard area will include a minimum of one outlet for each 3.7 meters of wall length. Phone service will be provided in the guard room only; the purpose of these phones is to remain in contact with the rest of the prison security.

E. Plumbing Needs

There will be one toilet and one sink in each room. There will be a 1 meter high partitions around the toilet for privacy. The separate bathroom will have one toilet, one sink, and two showers. One 500 liter water tank will be installed on the roof with the necessary plumbing to the toilets, sinks, and showers.

F. Preliminary Material List

1. 31 windows with high security bars
2. 17 exterior security doors – solid metal with locking sets
3. 18 toilets
4. 18 sinks
5. 2 showers
6. 17 toilet privacy walls
7. 3 bathroom stall doors
8. 1 - 500 liter roof mounted water tank with plumbing
9. 19 light fixtures and nightlights
10. 3 electrical outlets
11. 17 ceiling fans
12. 2 exterior steps/stairs
13. 18 general room repairs and painting
14. 1 electrical panel and all necessary breakers and wiring
15. 1 phone service in guard room
16. 18 remove floor tiles from rooms and replace with concrete
17. 1 rebuild bathroom partitions
18. 1 cut opening in courtyard wall
19. 1 fill in opening in courtyard wall
20. 12 replace downspouts



Entrance Guard Houses

A. Description:

There are two (2) one story buildings just inside the Main Gate for the guards. These buildings are identical and are rectangular in shape. Each building is approximately 4 m by 6.4 m. Both buildings contain two rooms. The total square footage of each building is approximately 25 sq. m. Each building has two doors and one window.

Each building is structurally in good condition. All the doors and windows were looted. Minor damage was inflicted to the walls where the stolen items were removed. Neither building has fire damage.

These buildings are located on either side and immediately inside the Main Gate. When the Main Gate, which opens inward, is open these two buildings are partially blocked. These two buildings will be used by the guards as a meeting/assembly area for controlling all movement in and out of the prison and for an observation point for activity in the eastern part of the compound. Guards from these buildings will be responsible for the main "Sally Port" entrance. These buildings will require normal security measures.

B. Security Required

The Entrance Guard Houses will require Normal Security Measures. There will be three exterior doors installed in each Entrance Guard House. The windows will be replaced with the same size windows. Each will have glass and typical security bars. Electrical outlets will be restored in each building. The ceiling fans and light fixtures do not need to be enclosed in cages. The electric panel will be relocated in its previous location.

C. Repairs and Modifications

In each building the window and two doors will be replaced. In addition a third door will be installed that will open into the Sterile Area between the perimeter wall and the first fence line. This door will be a solid metal exterior door.

A small bathroom with just one toilet and one sink will be installed in each building.

A ceiling fan and two lights will be installed in each building

D. Electrical Needs

Each building will have a minimum of three electrical outlets. Each building will have a minimum of two light fixtures. In addition the building with the bathroom will have an additional outlet and light. The electric panel will be relocated in its previous location. Where necessary, wiring will be attached to and exposed on the face of the walls. All exposed wiring will be in metal conduit. Both buildings will be equipped with a fan and one of the buildings will be equipped with a phone service.

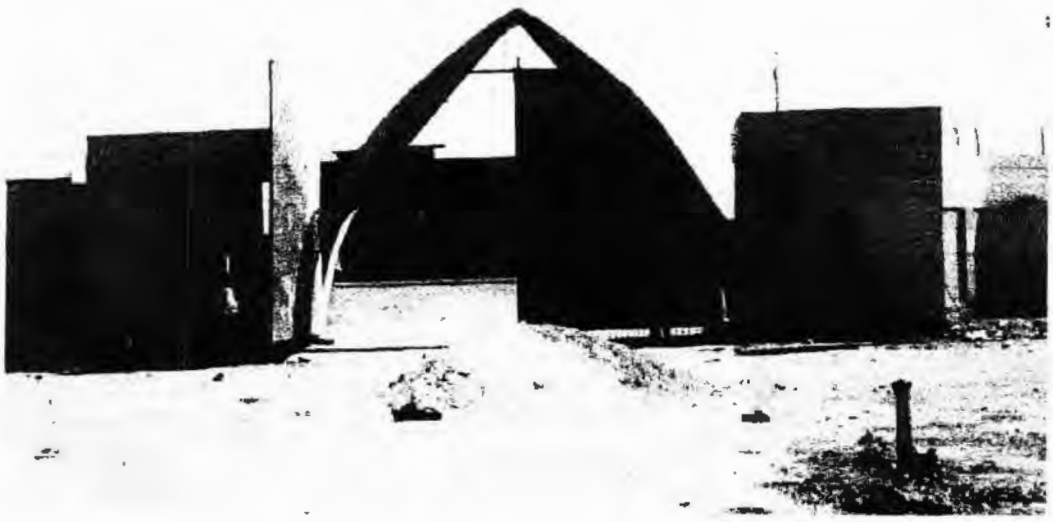
[redacted]

E. Plumbing Needs

In one of the two buildings there will be one bathroom with a sink and a toilet. One 100 liter water tank will be installed on the roof with the necessary plumbing to the bathroom. All new drain lines will be required.

F. Preliminary Materials and Repair List

1. 2 windows with typical security bars
2. 6 exterior doors – metal with locking sets
3. 1 interior wood door
4. 1 toilets
5. 1 sinks
6. 1 - 250 liter roof mounted water tank with plumbing
7. 5 light fixtures
8. 5 electrical outlets
9. 2 ceiling fans
10. 4 general room repairs and painting
11. 1 electrical panel and all necessary breakers and wiring
12. 1 phone service
13. 2 replace downspouts



Guard Towers

A. General

At the present time there are no guard towers. Eight guard towers are required; one at each corner and one on each side midway between the corners. The Guard Towers will be located in the Sterile Area between the perimeter wall and the first interior fence line.

B. Size and Construction

The Guard Towers will be constructed using concrete columns, floor and roof. The tower will be 3 m by 3 m and a total height of 7 m. The floor will be at a height of 4.0 m. There will be a 1 m high protective wall around the entire perimeter at the floor level. The roof will slope away from the interior of the prison. Access will be by means of steel stairs.

The towers will be provided with a single toilet and a sink. Around the toilet will be a 1 m high privacy partition. The toilet will be on the side away from the interior of the prison.

The Guard Towers will be founded on reinforced concrete footings.

Each Guard Tower will be provided with an electrical supply, a flood light, and a phone service for emergency contact.

C. Preliminary Materials and Repair List

1. 8 concrete towers with foundations and safety walls
2. 8 steel stairs
3. 8 toilets
4. 8 sinks
5. 8 - 100 liter roof mounted water tank with plumbing
6. 8 light fixture
7. 8 electrical outlet
8. 8 electrical box
9. 8 phone services

[redacted]

Yard and Compound Security

A General

The prison yard is approximately 32380 sq. m (8 acres) inside the perimeter wall. There are 37 existing structures, 14 will have beds for inmates. The prison will be a medium to high security prison and will house 1000 – 1500 inmates. There is a solid perimeter wall is in place as well as the shell to all of the buildings except the guard towers.

B. Security Wall and Fence

Security measures will include a 4 meter high solid perimeter wall and 3 meter high interior chain link fence with a coiled razor wire on top for all interior fencing. The first internal wire barrier will be continuous except for the break at the Main Gate.

There is a solid continuous perimeter wall around the entire compound. There is only one opening in this wall and that is located at the Main Gate. The original wall was raised by one meter and repaired as necessary to provide temporary security until the prison compound construction is undertaken. This wall will remain in place and reinforced by a second just inside the perimeter. This second wall will consist of driven steel columns with precast concrete panels between the columns. The precast concrete panels will be positively attached to the steel columns and the panels will be set on a precast concrete footing to prevent differential settlement. This new wall will raise the perimeter wall to a height of 4 meters. The gap between the two walls will be filled with concrete. The step in the wall on the exterior will be eliminated by constructing a tapered section out of cast-in-place concrete on top of the existing perimeter wall. The slope of this tamper will be a minimum of 3 vertical to one horizontal.

Encasing the top of the precast wall will be attached a smooth surface, round plastic cylindrical pipe with a minimum diameter that is two feet greater than the wall thickness. This pipe will be split longitudinally on one side and slid down over the top of the wall. It will then be attached to the wall using steel angle sections and bolts. The purpose of the smooth pipe is to eliminate any handholds for scaling over the wall.

Just within the solid perimeter wall will be a continuous three (3) meter high chain link fence with a double arm ("Y") top section and coiled razor wire and a buried metal sheet below to prevent inmates from digging under. This fence will only have one opening and that will be at the Main Gate. At this opening will be a "Sally Port". Entrance to the "Sterile Area" between the solid perimeter and this fence will be through doors in the Entrance Guard Houses at the Main Gate.

Completely surrounding clusters of buildings will be a three (3) meter high security chain link fence that is totally independent from the Sterile Area fence. This fence will also have the double arm ("Y") top section and coiled razor wire and metal dig plates below. There will be eight areas fenced off; except for the fence for the C-Wing some areas will share a common fence line.

Entrance into the individual fenced areas will be through double gated "Sally Port" security gate entrances. Three of these Sally Ports will accommodate vehicles. They will be located at the Main Gate, at the entrance area to the Kitchen and Recreational Building, and at the entrance to the Medical Center. The remaining entrance areas will have Sally Ports for only individuals to pass through. There will be four of these "man only" Sally Ports. These Sally Port gates will require fence, razor wire and dig plates.

C. Security Lighting

On top of the solid perimeter wall will be mounted security lights to illuminate the prison compound. These lights will be located at a maximum spacing of 50 meters. There will be twelve security lights mounted to the perimeter wall.

On the roof of each building, except the bathrooms, will be security flood lights that will illuminate the entire yard area around the buildings. There will be 100 yard security lights.

**** QUESTION: DO WE NEED LIGHTS ON EVERY BUILDING? ****

D. Guard Towers and Guard Houses

Within the Sterile Area will be constructed eight (8) guard towers. There will be one at each corner and one on each side midway between the corners. These towers will be constructed of concrete and will be seven (7) meters high.

Near the center point of the yard and at ground level will be a Guard House from which the guards can watch most of the activity in the complex and can control all movement at most of the internal gates. Guards at the Main Gate will watch the activities in the remainder of the yard and also control gate activities.

E. Utilities

All sewer drain lines, water lines, and electric lines within the prison compound will be buried. There will be no exposed or overhead utilities.

All the buildings will be connected by a phone service system for emergency situations.

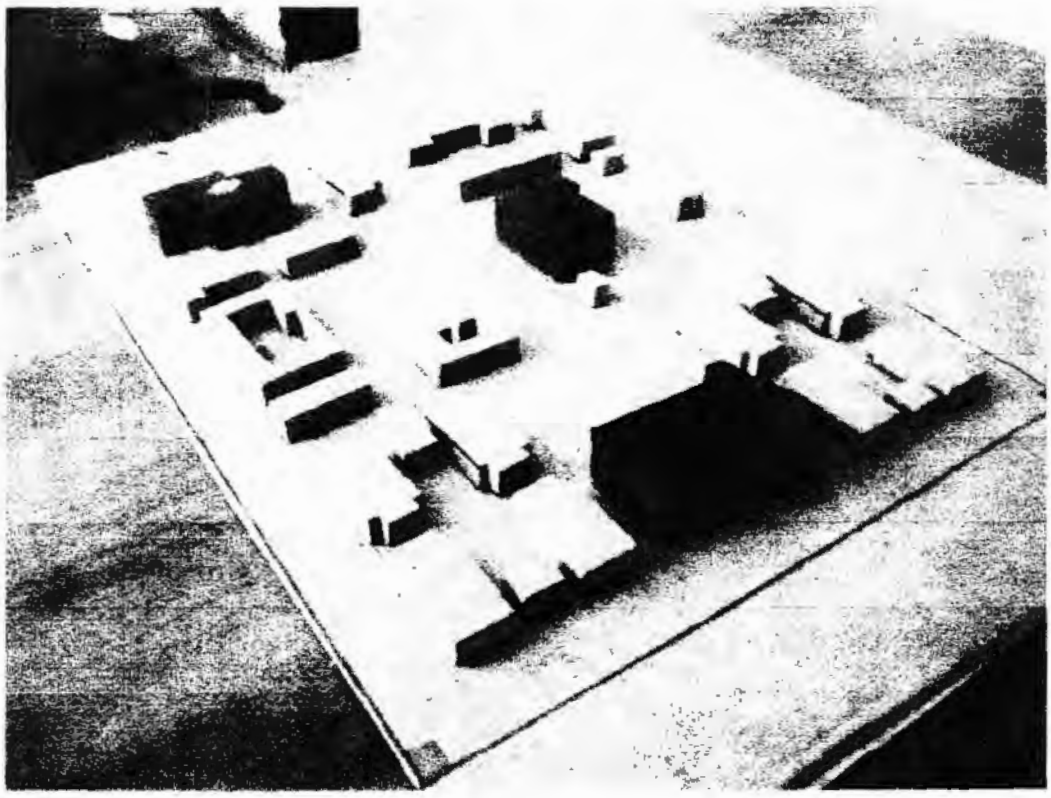
Water service will be provided to the Prison Compound from the main water line near the street. This water service will require the installation of a 100 mm diameter lateral pipe with valves and backflow prevention from the main to the Generator, Water Tank, and Fuel Tank Building where a water pump will be located.

Five concrete septic/ holding tanks will be installed in the Yard outside the individual fenced in security areas. These tanks will require periodic pumping. Drain lines and clean outs will be installed from each of the buildings to the nearest septic/holding tank. Almost all clean outs will be located outside the individual fenced in security areas.

[redacted]

F. Preliminary Materials and Repair List

1. 1840 meters of 3-meter chain link fence with "Y" top section and Coiled razor wire
2. 1840 meters of "dig plates"
3. 725 meters of precast concrete 4 m perimeter wall with steel columns, footings, and cap section
4. 3 "Sally Port" vehicle gates; 21.3 m fence, two 3.7 m gates, two 1.2 m gates, 2.3 m razor wire, and 32 m dig plates
5. 4 "Sally Port" man gates; 8.5 m fence, two 1.2 m gates, 8.5 m razor wire, 11 m dig plates
6. 12 Perimeter security lights
7. 100 Building security lights
8. 1270 meters of 150 mm diameter sewer drain line
9. 180 meters of 100 mm diameter water main with 2 valves
10. 5 Septic/holding tanks
11. Site grading
12. Repair to asphalt pavement
13. 13 remove existing septic tanks and manholes



Electrical – Generator

[redacted]

Basrah Central Prison
Electrical Load

LOADS	MAX (kw)	DESIGN (kw)	
Interior Load	536,107	322,477	
Exterior Load	75,250	75,250	
Subtotal Load	611,357	397,727	
Safety/Expansion Factor (15%)	91,704	59,659	
Maximum Total Load	**703,061**	**457,386**	
EQUIPMENT INVENTORY & COST ESTIMATE (Costs to Purchase & Install)	**QUANTITY**	**UNIT COST ($)**	**ITEM COST ($)**
Emergency Generators 600 KW	2	$119,000	$238,000
ITEM-1 Ceiling light with protective grill	491	$20	$9,816
ITEM-2 Night Light with protective grill	458	$20	$9,152
ITEM-3 Ceiling Light (Hallway)	58	$10	$580
ITEM-4 Ceiling Light (Workspace)	259	$10	$2,590
ITEM-5 Ceiling Fan w/Protective Grill & Room Wiring	259	$35	$9,065
ITEM-6 Ceiling Fan w/Room Wiring	110	$25	$2,759
ITEM-7 13-amp Electrical Outlets w/Room Wiring	89	$10	$890
ITEM-8 15-amp A/C Electrical Outlets w/Room Wiring	53	$10	$530
ITEM-9 1hp Water Pump (Centrifugal)	26	$100	$2,600
ITEM-10 Refridgerator	9	$500	$4,500
ITEM-11 Perimeter Flood Lights (250 Watt Metal Halide, Pole Mounted Mounted)	172	$400	$68,800
ITEM-12 Yard Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	162	$250	$40,500
ITEM-13 Overdoor Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	53	$250	$13,250
		TOTAL	**$403,032**

NOTE-1: Estimate does not include overhead (8%) and profit (8%). Unit costs are for materials and labor only. Overhead and profit to be included in summary estimate of all work elements.

NOTE-2: Estimate does not include purchase and installation of new main transformers, changeover switch, circuit breaker panels, isolation switches, or cabling. These depend on the installation design to be done by Infrastructure Assessment Team

For Preliminary Cost Estimate use.

$ 500,000

Design Analysis:

1. Design is based on the Exel electrical load data sheet. Transformer and generator size are based on the given demand loads in the data sheet.
2. Panel board size and over current protection devices are sized per Square-D Product (Panel board 600volt, I-Line, 3-pole, type HCN and HCM; circuit breaker type IEC rated 415/240Vac Maximum, 50/60Hz Class 600)
3. All feeder and branch circuits are size in according with the American Wire Gage (AWG).
4. Refer to the Exel spread sheet for maximum number of devices can be loaded on a typical branch circuit.

[redacted]

Branch Circuit Calculation

Load Type	Circuit Breaker	Voltage	Max number device per ciruit	Conductor Size	Conduit
1. 40Watt Ceiling Light W Protective Grill	20Amp, 1-pole	240 V	90 fixtures	2-#12 AWG + #12 AWG ground	1/2"
2. Night Light fixture with Grill	20 Amp, 1-pole	240 V	200 fixtures	2-#12 AWG + #12 AWG ground	1/2"
3. 40 Watt Ceiling Light in the hall way	20Amp, 1-pole	240 V	90 fixtures	2-#12 AWG + #12 AWG ground	1/2"
4. 40 Watt Ceiling Light in the work space	20Amp, 1-pole	240 V	90 fixtures	2-#12 AWG + #12 AWG ground	1/2"
5. Ceiling Fan	16 Amp, 1-pole	240 V	40 fan units	2-#12 AWG + #12 AWG ground	1/2"
6. 13-Amp recaptacle	16 Amp, 1-pole	240 V	8 recetacles	2-#12 AWG + #12 AWG ground	1/2"
7. Receptacle for AC unit	16 Amp, 1-pole	240 V	1 receptacle per A/C unit	2-#12 AWG + #12 AWG ground	1/2"
8. Water Pump	20 Amp, 1-pole	240 V	1 unit per circuit	2-#12 AWG + #12 AWG ground	1/2"
9. Refrigerator	16 Amp, 1-pole	240 V	1 unit per circuit	2-#12 AWG + #12 AWG ground	1/2"

General Tasks for Completion:

The tasks generally undertaken to bring this project to completion includes:

1. FEST Team prepare preliminary assessment design report and preliminary cost estimate (this report),
2. UK Project Manger/Administrator seek and secure the necessary funding,
3. FEST Team prepare scope of work and contract documents,
4. UK Project Manager solicit bids with guidance and assistance from Contractors, FEST and RIG has a list that can be consulted,
5. UK Project Manager and FEST Team evaluate bids
6. UK Project Manager awards contract
7. UK Project Manager hires and assigns local Construction Manager

Attachments:

Miscellaneous Details

1. 3 Meter High Fence with coiled razor wire
2. Vehicle "Sally Port" Entrance Gate
3. Man "Sally Port" Entrance Gate
4. Guard Tower
5. Barred Window Example
6. Preliminary list of windows and doors sizes

Preliminary Cost Estimates

Submitted By: [redacted]

Approved By: [redacted]
CPA S FEST Team Leader

[redacted]

Basrah Prison
Security and Hardware Requirements

	Building	Approx. Sq. Ft. Area	Security / Non-Security	Number of Rooms	Window w/ Security Bars	Windows w/ Regular Bars	Doors with Bars	Doors Solid Metal Face	Doors Wood Interior	Doors Metal Exterior	Ceiling Fan In Enclosure	Ceiling Fan	Bulkhead Light Enclosures	Lights
	A-Wing													
1	#A1	3360	S	2	28 - SW #1, 9 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
2	#A1 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
3	#A2	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
4	#A2 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
5	#A3	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
6	#A3 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
7	#A4	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
8	#A4 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
9	A Bathroom 1	650	S	2	14 - SW #4								4 - SLE #1	6
10	A Bathroom 2	650	S	2	14 - SW #4								4 - SLE #1	6
	B-Wing													
11	#B1	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
12	#B1 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
13	#B2	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
14	#B2 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
15	#B3	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
16	#B3 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
17	#B4	3360	S	2	28 - SW #1, 8 - SW #2		4 - SD #1				8 - SFE #1	8	12 - SLE #1	12
18	#B4 Guard	240	S	1	2 - SW #3		1 - SD #3					1		2
19	B Bathroom 1	650	S	2	14 - SW #4								4 - SLE #1	4
20	B Bathroom 2	650	S	2	14 - SW #4								4 - SLE #1	4
	C-Wing													
21	#C1	3570	S	6	15 - SW #1		7 - SD #1				12 - SFE #1	12	12 - SLE #1	18
22	#C2	3570	S	6	15 - SW #1		7 - SD #1				12 - SFE #1	12	12 - SLE #1	18
23	#C3	3570	S	6	15 - SW #1		7 - SD #1				12 - SFE #1	12	12 - SLE #1	18
24	C Bathroom	650	S	2	14 - SW #4								4 - SLE #1	6

25	Juvenile Bldg	2090	S	9	9 - SW #1, 9 - SW #4		8-SD #3				9 - SFE #1	9	10 - SLE #1	10
26	Female Bldg	1340	S	4	20 - SW #1, 3 - SW #2		1 - SD #1	4-SD #4			8 - SFE #1	8	11 - SLE #1	11
27	Segregation Bldg	2300	S	18	17 - SW #1, 14 - SW #5			17-SD #4			17 - SFE #1	17	19 - SLE #1	19
28	Visitor's Center	4050	N	4		8 - W #1, 8 - W #2,			3 - D #2	2 - D #1		9		21
29	Reception Bldg	3760	N	13		14 - W #1, 2 - W #2			14 - D #2	3- D #1		14		40
30	Administration Building	1800	N	8		6 - W #2, 9 - W #4			5 - D #2, 2 - D #3	2 - D #1		9		24
31	Medical Center	4030	N	9		17 - W #1, 2 - W #3			5 - D #2, 2 - D #3	1 - D #1, 1 - D #4	11 - SFE #1	17		40
32	Staff and Regional HQ	3990	N	38		33- W #1, 9 - W #5			20 - D #2, 10 - D # 3	12 - D #1		28		72
33	Kitchen and Rec Hall	6190	S	5	37 - SW # 3 2 - SW #5					8- D #1		21		38
34	Guard House	300	N	2		3 - W #1			1 - D #3	1 - D #1		2		5
35	Generator and Water Tank Bldg	660	N	3		4 - W #4			1 - D #1	3 - D #4		6		9
36	Entrance Guard House 1	280	N	1		1 - W #1				3 - D #1		1		2
37	Entrance Guard House 2	280	N	1		1 - W #1				3 - D #1		1		3
38	Guard Towers (6)	100	N	1										

Security: Windows

Type: SW # 1

Size: 500 mm x 610 mm (20" x 24")
Frame: Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
Bars: Square stock 15 mm X 15 mm (9/16" x 9/16"); vertical bars continuous; horizontal bars intermittent
Spacing: 64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
Mounting Frame: Steel Frame bolted in wall with tamper proof bolts
Movement: Restricted
Construction: Welded with continuous welds

SW #2

Size: 250 mm x 250 mm (10" x 10")
Frame: Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
Bars: Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical
Spacing: 64 mm x 64 mm (2.5" x 2.5") center to center
Mounting Frame: Steel Frame bolted in wall with tamper proof bolts
Movement: Restricted
Construction: Welded with continuous welds

SW # 3

Size: 915 mm x 915 mm (36" x 36")
Frame: Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
Bars: Square stock 15 mm X 15 mm (9/16" x 9/16"); vertical bars continuous; horizontal bars intermittent
Spacing: 64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
Mounting Frame: Steel Frame bolted in wall with tamper proof bolts
Movement: Restricted
Construction: Welded with continuous welds

SW #4

Size: 460 mm x 460 mm (18" x 18")
Frame: Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
Bars: Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical
Spacing: 64 mm x 64 mm (2.5" x 2.5") center to center
Mounting Frame: Steel Frame bolted in wall with tamper proof bolts
Movement: Restricted
Construction: Welded with continuous welds

SW #5

Size: 250 mm x 760 mm (10" x 30")
Frame: Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
Bars: Square stock 15 mm x 15 mm (9/16" x 9/16"); vertical

	Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Restricted
	Construction:	Welded with continuous welds
W #1	Size:	915 mm x 915 mm (36" x 36")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #2	Size:	460 mm x 460 mm (18" x 18")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #3	Size:	250 mm x 760 mm (10" x 30")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #4	Size:	460 mm x 1070 mm (18" x 42")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds
W #5	Size:	460 mm x 915 mm (18" x 36")
	Frame:	Steel angles 25 mm x 25 mm x 5 mm (1" x 1" x 3/16")
	Bars:	Typical building safety bars
	Mounting Frame:	Steel Frame bolted in wall with tamper proof bolts
	Movement:	Unrestricted; glass open inward
	Construction:	Welded with continuous welds

Security: Doors

Type:			
	SD #1	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
		Type:	Bars - open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous; Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
	SD #2	Size:	2030 mm x 813 mm (6'-8" x 2'-8")
		Type:	Bars - Open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous; Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	Key locking mechanism with additional dead bolt on inside Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
	SD #3	Size:	2030 mm x 813 mm (6'-8" x 2'-8")
		Type:	Bars - open
		Frame:	Steel
		Bars:	Steel square stock 16 mm x 16 mm (5/8" x 5/8"); smooth surface; vertical bars continuous; Horizontal bars intermittent; Reinforced horizontally at third points and at latch
		Spacing:	64 mm x 64 mm (2.5" x 2.5") center to center vertically and horizontally
		Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
		Hinges:	Steel with tamper proof hardware
		Movement:	Must open outward with possible rotation up to 180 degrees
		Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
		Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts

SD #4	Size:	2030 mm x 810 mm (6'-8" x 2'-8"); final thickness 25 to 40 mm (1 to 1.5")
	Type:	Steel plate - solid face with hollow core
	Frame:	Steel channel or rectangular tubing to provide door thickness of 25 mm (1") to 40 mm (1.5"); Horizontal bracing at quarter points or continuous bracing through core filler;
	Facing	Steel plate minimum 3 mm (1/8") thick mounted to both sides of steel angle frame
	Viewing port:	75 mm diameter observation aperture
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Movement:	Must open outward with possible rotation up to 180 degrees
	Latch:	External sliding bolt with flip down clasp and loop for padlock; Latch to be attached to door with tamper proof bolts
	Construction:	Welded with continuous welds; hinge and latch attachments with tamper proof bolts
D #1	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
	Type:	Exterior metal door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #2	Size:	2030 mm x 915 mm (6'-8" x 3'-0")
	Type:	Interior solid wood door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #3	Size:	2030 mm x 810 mm (6'-8" x 2'-8")
	Type:	Interior solid wood door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set
D #4	Size:	2030 mm x 1830 mm (6'-8" x 6'-0")
	Type:	Exterior metal double door
	Mounting Frame:	Steel frame bolted in wall with tamper proof bolts
	Hinges:	Steel with tamper proof hardware
	Latch:	Typical door latch with key set and hardware to separately latch one door to upper and lower jam

Security: Enclosures

Type:	SFE #1	Size:	Low profile steel cage with dimensions to accommodate fan dimensions
		Frame:	Steel angles 38 mm x 38 mm x 7 mm (1.5" x 1.5" x 1/4")
		Bars:	Steel square stock 15 mm x 15 mm (9/16" x 9/16")
		Covering:	Steel security mesh grill with maximum hole size 3 mm square attached to outside of frame to prevent any ligature being attached or used as an anchorage point;
		Mounting Frame:	Steel frame bolted in ceiling with tamper proof bolts
		Construction:	Welded with continuous welds
		Movement:	Restricted; removal only necessary for maintenance

Security:	Light Enclosures		
Type:	SLE #1	Size:	Low profile
		Type:	Bulkhead style
		Covering:	Shatter resistant plastic
		Movement:	Restricted; removal only necessary for bulb replacement and maintenance

Prison Cost Estimate Summary

Location Name	Number of Buildings	Total Square Meters	Estimated Cost	Cost per square meter
Administration	1	167	$15,644	$93.68
Medical	1	374	$27,235	$72.82
Reception	1	309	$20,588	$66.63
Staff and HQ	1	750	$43,496	$57.99
Visitor's	1	376	$36,889	$98.11
Kitchen and Rec	1	575	$32,002	$55.66
Entrance Guard	2	50	$4,242	$84.84
Guard House	1	28	$4,896	$175.48
Guard Towers	8	72	$40,360	$56.06
A-Wing & B-Wing	8	2496	$152,856	$61.24
C-Wing	3	996	$66,036	$66.30
A, B, & C Bathrooms	5	315	$43,345	$137.60
Female Holding	1	124	$17,663	$142.44
Juvenile Holding	1	194	$18,643	$96.10
Segregation	1	214	$30,055	$141.85
Generator	1	79	$7,139	$90.37
Yard & Security	1	32380	$1,979,423	$61.13
Electrical Requirements			$500,000	
TOTAL			$3,040,812	

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Administration Building				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	2	150.00	300
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM	167	1.00	167
	3.2	Remove and dispose damaged floor coverings		SM	85	1.00	85
	3.3	Install new floor coverings		SM	85	15.00	1275
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	580	4.00	2320
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	29	2.00	58
	4.5	Build new masonry wall with mortar/plaster finish		SM	25	40.00	1000
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM	4	40.00	160
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM	30	30.00	900
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	4	80.00	320
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	7	30.00	210
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	2	50.00	100
		Steel double door		Each		150.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	9	35.00	315
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	9	10.00	90
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	4	20.00	80

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	15	40.00	600
		Frame only		Each		25.00	
	6.9	Install steel security bars (burglar bars) on window		Each	15	25.00	375
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	28	17.00	476
	7.3	Install new wall switch		Each	16	18.00	288
	7.4	Install new flouresecent light fixture		Each	24	40.00	960
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	9	40.00	360
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	5	40.00	200
	7.8	Install new circuit breaker (specify type and capacity)		Each	8	10.00	80
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	5	450.00	2250
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each	4	60.00	320
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	4	10.00	40
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	4	150.00	600
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Remove sanitary drain openings		Each	4	50.00	200
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**15644**						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Medical Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	1	150.00	150
		Construct concrete entry ramp		Each	1	400.00	400
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM	374	1.00	374
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM	225	15.00	3375
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	1165	4.00	4660
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM	124	40.00	4960
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	8	80.00	640
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	7	30.00	210
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	2	50.00	100
		Steel double door		Each		150.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	9	35.00	315
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	9	10.00	90
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each	4		0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	19	40.00	760
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	19	25.00	475
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	40	17.00	680
	7.3	Install new wall switch		Each	17	18.00	306
	7.4	Install new flourescent light fixture		Each	40	40.00	1600
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	17	40.00	680
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	3	40.00	120
	7.8	Install new circuit breaker (specify type and capacity)		Each	10	10.00	100
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	9	450.00	4050
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each	2	80.00	160
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	2	10.00	20
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	7	150.00	1050
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	2	150.00	300
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						
Estimated BID PRICE:		**27235**					

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CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Reception Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	3	150.00	450
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM	309	1.00	309
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	1160	4.00	4640
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM		40.00	0
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	10	60.00	600
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	14	30.00	420
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	3	50.00	150
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	17	35.00	595
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	17	10.00	170
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	4	20.00	80

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	16	40.00	640
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	16	25.00	400
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	58	17.00	986
	7.3	Install new wall switch		Each	26	18.00	468
	7.4	Install new flourescent light fixture		Each	40	40.00	1600
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	14	40.00	560
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	11	40.00	440
	7.8	Install new circuit breaker (specify type and capacity)		Each	13	10.00	130
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each		250.00	0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	12	450.00	5400
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0

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9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	4	80.00	320
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	2	10.00	20
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	4	150.00	600
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						
Estimated BID PRICE:	**20588**						

CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Staff and Regional Headquarters Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	2	150.00	300
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM	750	1.00	750
	3.2	Remove and dispose damaged floor coverings		SM	150	1.00	150
	3.3	Install new floor coverings		SM	150	15.00	2250
	3.4	Repair structurally damaged floor slabs		SM	3	15.00	45

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM	2	15.00	30
		Install stairway railing		LM	6	18.00	108
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	2340	4.00	9360
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	92	2.00	184
	4.5	Build new masonry wall with mortar/plaster finish		SM	39	40.00	1560
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM	9	40.00	360
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	8	80.00	640
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	30	30.00	900
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	12	50.00	600
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	42	35.00	1470
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	42	10.00	420
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	4	20.00	80

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	42	40.00	1680
		Frame only		Each		25.00	
	6.9	Install steel security bars (burglar bars) on window		Each	42	25.00	1050
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	68	17.00	986
	7.3	Install new wall switch		Each	76	18.00	1368
	7.4	Install new flourescent light fixture		Each	72	40.00	2880
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	20	40.00	800
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	10	40.00	400
	7.8	Install new circuit breaker (specify type and capacity)		Each	38	10.00	380
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each		250.00	0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	20	450.00	9000
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)

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	9.1	Install new Eastern style toilet		Each	11	80.00	880
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	8	10.00	80
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	11	150.00	1650
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	2	375.00	750
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	9	150.00	1350
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**43496**						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Visitor's Center				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways	sidewalk	SM	16	400.00	6400
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	2	150.00	300
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM	376	1.00	376
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM	376	15.00	5640
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	860	4.00	3440
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	4	2.00	8
	4.5	Build new masonry wall with mortar/plaster finish		SM	16	40.00	640
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM	322	10.00	3220
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM	390	16.00	6240
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	4	80.00	320
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	3	30.00	90
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	2	50.00	100
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	5	35.00	175
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	5	10.00	50
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each	16		0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	16	40.00	640
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	16	25.00	400
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	25	17.00	425
	7.3	Install new wall switch		Each	30	18.00	540
	7.4	Install new flourescent light fixture		Each	21	40.00	840
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	9	40.00	360
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	4	10.00	40
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	7	450.00	3150
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each	8	80.00	640
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	10	10.00	100
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	8	150.00	1200
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**36889**						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Kitchen and Recreation Building				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	4	150.00	600
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM	575	1.00	575
	3.2	Remove and dispose damaged floor coverings		SM	437	1.00	437
	3.3	Install new floor coverings		SM	437	15.00	6555
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	521	4.00	2084
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	9	2.00	18
	4.5	Build new masonry wall with mortar/plaster finish		SM	19	40.00	760
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM	437	2.00	874
5 - ROOF SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	6	80.00	480
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	8	50.00	400
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	8	35.00	280
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	6	10.00	00
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	5	20.00	100

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	39	25.00	975
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	39	50.00	1950
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	20	17.00	340
	7.3	Install new wall switch		Each	14	18.00	252
	7.4	Install new flouresecent light fixture		Each		40.00	0
		Install new bulkhead vandalproof lights		Each	38	200.00	7600
		Install nightlights		Each	38	17.00	646
	7.5	Install new ceiling fan		Each	21	40.00	840
		Install ceiling fan enclosure		Each	21	100.00	2100
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	7	10.00	70
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	5	80.00	400
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	7	10.00	70
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	3	12.00	36
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	5	150.00	750
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		CM	7	150.00	1050
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	32002						

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CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Entrance Guard Houses				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walloways		SM			0
	2.5	Replace asphalt pavements or walloways		SM			0
	2.6	Repair concrete pavements or walloways		SM			0
	2.7	Replace concrete pavements or walloways		SM			0
	2.8	Repair other type of pavements or walloways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM	50	1.00	50
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	182	4.00	728
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	4	2.00	8
	4.5	Build new masonry wall with mortar/plaster finish		SM		40.00	0
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	2	80.00	160
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	1	30.00	30
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	6	50.00	300
		Steel double door		Each		100.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	7	35.00	245
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	6	10.00	60
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	2	40.00	80
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	2	25.00	50
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	7	17.00	119
	7.3	Install new wall switch		Each	5	18.00	90
	7.4	Install new flourescent light fixture		Each	5	40.00	200
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	2	40.00	80
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	4	10.00	40
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and duchwork		LM			0
	8.4	Install new air supply duchwork		LM			0
	8.5	Install new air exhaust duchwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each	1	80.00	80
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	6	12.00	72
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	1	150.00	150
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**4242**						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION *(To be completed by the CPA Action Officer)*							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Guard House				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM	28	15.00	420

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	77	4.00	308
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	2	2.00	4
	4.5	Build new masonry wall with mortar/plaster finish		SM	21	40.00	840
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	2	80.00	160
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each	1	30.00	30
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	1	50.00	50
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	2	35.00	70
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	1	10.00	10
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	3	40.00	120
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	3	25.00	75
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	3	17.00	51
	7.3	Install new wall switch		Each	3	18.00	54
	7.4	Install new flourescent light fixture		Each	5	40.00	200
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	2	40.00	80
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	2	10.00	20
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each	1	450.00	450
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each	1	80.00	80
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	2	12.00	24
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	1	150.00	150
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**4896**						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Guard Towers				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each	8	3510.00	28080
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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CPA CONTRUCTION PROJECT BID SHEET

	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM		4.00	0
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM		40.00	0
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		15.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each		80.00	0
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each		35.00	0
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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CPA CONTRUCTION PROJECT BID SHEET

	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	8	17.00	136
	7.3	Install new wall switch		Each	8	18.00	144
	7.4	Install new flourescent light fixture		Each	8	40.00	320
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each		40.00	0
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	8	40.00	320
	7.8	Install new circuit breaker (specify type and capacity)		Each	8	10.00	80
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	8	750.00	6000
	7.10	Install new isolation switch (specify type and capacity)		Each		250.00	0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

CPA CONTRUCTION PROJECT BID SHEET

	9.1	Install new Eastern style toilet		Each		80.00	0
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each		150.00	0
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	8	50.00	400
	9.10	Install backflow prevention valve		Each	8	90.00	720
	9.11	Install new plastic water tanks		Each	8	375.00	3000
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	8	145.00	1160
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:				**40360**			

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			A - Wind and B - Wing Buildings				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	8	150.00	1200
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	2496	1.00	2496
	3.3	Install new floor coverings		SM	2496	15.00	37440
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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CPA CONTRUCTION PROJECT BID SHEET

	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	5460	4.00	21840
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM	64	40.00	2560
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	32	80.00	2560
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each	8	50.00	400
		Steel double door		Each		160.00	0
		High security steel bars		Each	32	150.00	4800
	6.4	Install new steel door frame (specify size)		Each	40	35.00	1400
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each	40	25.00	1000
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	240	25.00	6000
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	240	50.00	12000
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	24	17.00	408
	7.3	Install new wall switch		Each	48	18.00	864
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	112	200.00	22400
		Install nightlights		Each	112	17.00	1904
	7.5	Install new ceiling fan		Each	72	40.00	2880
		Install ceiling fan enclosures		Each	72	100.00	7200
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	8	40.00	320
	7.8	Install new circuit breaker (specify type and capacity)		Each	24	10.00	240
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	8	750.00	6000
	7.10	Install new isolation switch (specify type and capacity)		Each	8	250.00	2000
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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CPA CONTRUCTION PROJECT BID SHEET

	8.6	Other (Describe in the space below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	32	80.00	2560
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	192	12.00	2304
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	32	150.00	4800
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	8	50.00	400
	9.10	Install backflow prevention valve		Each	8	90.00	720
	9.11	Install new plastic water tanks		Each	8	375.00	3000
	9.12	Other (Describe in the space below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	8	145.00	1160
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:		152856					

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			C - Wing Buildings				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and levelling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	996	1.00	996
	3.3	Install new floor coverings		SM	996	15.00	14940
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	3100	4.00	12400
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM	30	40.00	1200
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	9	80.00	720
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		160.00	0
		High security steel bars		Each	21	150.00	3150
	6.4	Install new steel door frame (specify size)		Each	21	35.00	735
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each	21	25.00	525
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	45	25.00	1125
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	45	50.00	2250
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	9	17.00	153
	7.3	Install new wall switch		Each	36	18.00	648
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	54	200.00	10800
		Install nightlights		Each	54	17.00	918
	7.5	Install new ceiling fan		Each	36	40.00	1440
		Install ceiling fan enclosure		Each	36	100.00	3600
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	3	40.00	120
	7.8	Install new circuit breaker (specify type and capacity)		Each	18	10.00	180
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	3	750.00	2250
	7.10	Install new isolation switch (specify type and capacity)		Each	3	250.00	750
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	9.1	Install new Eastern style toilet		Each	18	80.00	1440
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	108	12.00	1296
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			
	9.7	Install new porcelain sink with shut-off valves		Each	18	150.00	2700
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	3	375.00	1125
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each	3	145.00	435
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:				**66036**			

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Bathrooms for A - Wing, B - Wing, and C - Wing Buildings				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and levelling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	5	150.00	750
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	315	1.00	315
	3.3	Install new floor coverings		SM	315	15.00	4725
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	970	4.00	3880
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM	170	40.00	6800
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	10	80.00	800
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		160.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	50	35.00	1750
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	50	20.00	1000

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	42	25.00	
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	42	50.00	2100
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each		17.00	0
	7.3	Install new wall switch		Each	5	18.00	90
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	30	200.00	6000
		Install nightlights		Each	30	17.00	510
	7.5	Install new ceiling fan		Each		40.00	0
		Install ceiling fan enclosure		Each		100.00	0
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each		40.00	0
	7.8	Install new circuit breaker (specify type and capacity)		Each	10	10.00	100
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	5	750.00	3750
	7.10	Install new isolation switch (specify type and capacity)		Each		250.00	0
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	20	80.00	1600
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	60	10.00	600
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM		12.00	0
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	10	150.00	1500
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	5	50.00	250
	9.10	Install backflow prevention valve		Each	5	90.00	450
	9.11	Install new plastic water tanks		Each	5	375.00	1875
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	30	150.00	4500
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	43345						

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Female Holding Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	1	150.00	150
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	124	1.00	124
	3.3	Install new floor coverings		SM	124	15.00	1860
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	502	4.00	2008
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM	30	40.00	1200
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		10.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	4	80.00	320
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		180.00	0
		High security steel bars		Each	5	150.00	750
	6.4	Install new steel door frame (specify size)		Each	12	35.00	420
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each	5	25.00	125
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	7	20.00	140

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	23	25.00	575
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	23	50.00	1150
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	3	17.00	51
	7.3	Install new wall switch		Each	10	18.00	180
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	10	200.00	2000
		Install nightlights		Each	10	17.00	170
	7.5	Install new ceiling fan		Each	8	40.00	320
		Install ceiling fan enclosures		Each	8	100.00	800
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	4	10.00	40
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	9	80.00	720
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	4	10.00	40
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	60	12.00	720
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	10	150.00	1500
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	4	150.00	600
		Water pump		Each	1	145.00	145
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:				17663			

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Juvenile Holding Building				
BID ITEMS							
1 - PERIMETER SECURITY	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	2	150.00	300
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	194	1.00	194
	3.3	Install new floor coverings		SM	194	15.00	2910
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	720	4.00	2880
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	5	2.00	10
	4.5	Build new masonry wall with mortar/plaster finish		SM	14	40.00	560
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	4	80.00	320
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each	3		0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		160.00	0
		High security steel bars		Each	8	150.00	1200
	6.4	Install new steel door frame (specify size)		Each	11	35.00	385
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	8	10.00	80
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	18	25.00	450
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	18	50.00	900
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	3	17.00	51
	7.3	Install new wall switch		Each	19	18.00	342
	7.4	Install new flouresecent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	10	200.00	2000
		Install nightlights		Each	10	17.00	170
	7.5	Install new ceiling fan		Each	9	40.00	360
		Install ceiling fan enclosures		Each	9	100.00	900
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	9	10.00	90
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	9	80.00	720
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	4	10.00	40
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	48	12.00	576
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	9	150.00	1350
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	2	150.00	300
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:				18643			

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Segregation Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each	2	150.00	300
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM	214	1.00	214
	3.3	Install new floor coverings		SM	214	15.00	3210
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	950	4.00	3800
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	3	2.00	6
	4.5	Build new masonry wall with mortar/plaster finish		SM	27	40.00	1080
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		18.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	12	80.00	960
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		150.00	0
		High security steel bars		Each	17	150.00	2550
	6.4	Install new steel door frame (specify size)		Each	20	35.00	700
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each	17	25.00	425
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each	3	20.00	60

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each	31	25.00	775
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each	31	50.00	1550
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item *10 if* necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	3	17.00	51
	7.3	Install new wall switch		Each	36	18.00	648
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install new bulkhead vandal proof lights		Each	19	200.00	3800
		Install nightlights		Each	19	17.00	323
	7.5	Install new ceiling fan		Each	17	40.00	680
		Install ceiling fan enclosures		Each	17	100.00	1700
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	18	10.00	180
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each	18	80.00	1440
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each	4	10.00	40
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	84	12.00	1008
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	18	150.00	2700
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	1	375.00	375
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each	2	150.00	300
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:		30055					

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CPA CONTRUCTION PROJECT BID SHEET

CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Generator, Transformer, and Water Tank Building				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall		SM			0
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	SM			0
		Install steel dig plates	1 meter high	LM			0
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each			0
		Man "Sally Port"		Each			0
	1.7	Install razor wire on existing fence or wall		LM			0
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM			0
	2.4	Repair asphalt pavements or walkways		SM			0
	2.5	Replace asphalt pavements or walkways		SM			0
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each	3	400.00	1200
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0
	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM		15.00	0

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	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM	285	4.00	1140
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM	13	2.00	26
	4.5	Build new masonry wall with mortar/plaster finish		SM	12	40.00	480
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each	2	80.00	160
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each	4	180.00	840
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each	4	35.00	140
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each	4	10.00	40
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0
	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0

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	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each	4	40.00	160
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each	4	25.00	100
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each	9	17.00	153
	7.3	Install new wall switch		Each	6	18.00	108
	7.4	Install new flourescent light fixture		Each	9	40.00	360
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each	6	40.00	240
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each	1	40.00	40
	7.8	Install new circuit breaker (specify type and capacity)		Each	4	10.00	40
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new motation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each			0
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each			0
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0
	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**

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	9.1	Install new Eastern style toilet		Each		80.00	0
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)		LM	6	12.00	72
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)		Each			0
		Remove existing septic tanks and manholes		Each			0
	9.7	Install new porcelain sink with shut-off valves		Each	1	150.00	150
	9.8	Install new water piping (specify size and type I.e. PVC, steel, copper...)		LM			0
	9.9	Install new main shut-off valve		Each	1	50.00	50
	9.10	Install backflow prevention valve		Each	1	90.00	90
	9.11	Install new plastic water tanks		Each	2	375.00	750
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:	**7139**						

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CPA PROJECT INFORMATION (To be completed by the CPA Action Officer)							
CPA PROJECT NUMBER:							
CPA PROJECT TITLE:			Yard and Security				
BID ITEMS							
1 - PERIMETER SECURITY	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	1.1	Repair perimeter wall (concrete or brick construction)		SM			0
	1.2	Construct new perimeter wall (concrete or brick construction)		SM			0
		Construct Precast concrete perimeter wall 4 m high, including concrete grouting and plastic cap	5 m panels partially buried	LM	725	625.00	453125
		Precast concrete footing for precast perimeter wall		CM	200	390.00	78000
	1.3	Repair perimeter fence (steel)		SM			0
	1.4	Construct new perimeter wall (steel)		SM			0
		Construct new steel chain link fence	3 meters high	LM	1840	330.00	607200
		Install steel dig plates	1 meter high	LM	1840	25.00	46000
	1.5	Repair entry/exit gate		Each			0
	1.6	Install new entry/exit gate		Each			0
		Vehicle "Sally Port"		Each	3	6000.00	18000
		Man "Sally Port"		Each	4	2000.00	8000
	1.7	Install razor wire on existing fence or wall		LM	1840	364.00	669760
	1.8	Prepare surface and paint existing gates or fences with 1 coat primer and 2 coats oil paint		SM			0
	1.9	Prepare surface and paint existing perimter wall with 2 coats water based paint (latex)		SM			0
	1.10	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Complete structural concrete guard tower with steel roofing		Each		3510.00	0
2 - SITEWORK	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	2.1	Remove and dispose off site all trash and debris		SM			0
	2.2	Demolish unsafe structures and dispose of all debris		LS			0
	2.3	Grading and leveling of ground (to include removing protruding objects from ground)		SM	32380	0.40	12952
	2.4	Repair asphalt pavements or walkways		SM	200	8.73	1746
	2.5	Replace asphalt pavements or walkways		SM	200	15.00	3000
	2.6	Repair concrete pavements or walkways		SM			0
	2.7	Replace concrete pavements or walkways		SM			0
	2.8	Repair other type of pavements or walkways		SM			0
	2.9	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Construct concrete entry steps		Each		150.00	0
		Construct concrete entry ramp		Each		400.00	0
3 - FLOOR SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	3.1	Pressure wash and clean existing floors		SM		1.00	0
	3.2	Remove and dispose damaged floor coverings		SM		1.00	0

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	3.3	Install new floor coverings		SM		15.00	0
	3.4	Repair structurally damaged floor slabs		SM		15.00	0
	3.5	Install new reinforced concrete floor slab (specify thickness in bid)		SM			0
	3.6	Other (Describe in the space below Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Repair stairs		SM		15.00	0
		Install stairway railing		LM		18.00	0
4 - WALL & CEILING SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	4.1	Remove damaged plaster from walls or ceilings and repair with mortar and/or gypsum plaster as required		SM			0
	4.2	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats latex (water based) paint		SM		4.00	0
	4.3	Prepare wall or ceiling surface, apply 1 coat primer/sealer and 2 coats oil based paint		SM			0
	4.4	Demolish unsound walls / ceilings and dispose of all debris		SM		2.00	0
	4.5	Build new masonry wall with mortar/plaster finish		SM		40.00	0
	4.6	Remove damaged ceramic tile wall covering and install new tiles		SM			0
	4.7	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Fill in wall openings		SM		40.00	0
		Install suspended ceiling		SM		10.00	0
		Remove suspended ceiling		SM		2.00	0
5 - ROOF SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	5.1	Reseal joints around roof tiles		SM			0
	5.2	Replace and seal damaged or missing roof tiles		SM		30.00	0
	5.3	Repair parapet walls, fascia, or eaves		SM			0
	5.4	Install new steel roof panels		SM		16.00	0
	5.5	Clear roof drain and downspout		Each			0
	5.6	Install new roof drain		Each			0
	5.7	Install new downspout		Each		80.00	0
	5.8	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
6 - DOORS & WINDOWS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	6.1	Install new wooden hollow-core door (specify size)		Each		30.00	0
	6.2	Install new wooden door frame (specify size)		Each			0
	6.3	Install new steel door (specify size)		Each		50.00	0
		Steel double door		Each		180.00	0
		High security steel bars		Each		150.00	0
	6.4	Install new steel door frame (specify size)		Each		35.00	0
		Steel double door frame		Each		100.00	0
	6.5	Install new deadbolt lock and furnish 3 sets of keys		Each		10.00	0
		Lock set for high security steel bars door		Each		25.00	0
		Paint existing door (1 coat primer + 2 coats oil paint)		SM			0

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	6.6	Install other type of door (specify size and type in bid)		Each			0
		Bathroom stall door		Each		20.00	0
	6.7	Remove broken window glass and replace with new glass in existing frame		SM			0
	6.8	Prepare rough opening in wall and install new window frame and glass (specify size in bid)		Each		40.00	0
		Frame only		Each		25.00	0
	6.9	Install steel security bars (burglar bars) on window		Each		25.00	0
		High security steel bars		Each		50.00	0
	6.10	Clean existing windows		SM			0
	6.11	Paint existing window frames		EA			0
	6.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
7 - ELECTRICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	7.1	Install new surface-mounted electrical wiring (specify wire type & diameter)		LM			0
	7.2	Install new electrical outlet		Each		17.00	0
	7.3	Install new wall switch		Each		18.00	0
	7.4	Install new flourescent light fixture		Each		40.00	0
		Install nightlights		Each		17.00	0
	7.5	Install new ceiling fan		Each		40.00	0
	7.6	Install new telephone cable (single pair)		Each			0
	7.7	Install new telephone jack		Each		40.00	0
	7.8	Install new circuit breaker (specify type and capacity)		Each	15	10.00	150
	7.9	Install new circuit breaker panel (specify number of breakers and capacity)		Each	1	750.00	750
	7.10	Install new isolation switch (specify type and capacity)		Each	1	250.00	250
	7.11	Install new mains transformer (specify type and capacity)		Each			0
	7.12	Install new mains cabling (specify type and size)		LM			0
	7.13	Install new electrical generator with changeover switch (specify make, model, and capacity)		Each			0
	7.14	Install new fuel tank for generator (with capacity to operate generator for 72 hours continuously)		Each			0
	7.15	Install new exterior security lighting (specify type and size)	on buildings	Each	100	440.00	44000
		Install new exterior security lighting (specify type and size)	on perimeter wall	Each	12	500.00	6000
	7.16	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
8 - MECHANICAL SYSTEMS	**ITEM**	**DESCRIPTION**	**SIZE**	**UNIT OF MEASURE**	**QUANTITY**	**UNIT PRICE ($ US)**	**ITEM COST ($ US)**
	8.1	Install new window air conditioning unit (specify number of watts/amps)		Each		450.00	0
	8.2	Install new split air conditioning unit (specify number of tons)		Each			0
	8.3	Install new exhaust fan and ductwork		LM			0
	8.4	Install new air supply ductwork		LM			0
	8.5	Install new air exhaust ductwork		LM			0

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	8.6	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
9 - SANITARY & WATER SYSTEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	9.1	Install new Eastern style toilet		Each		80.00	0
	9.2	Install new Western style toilet		Each			0
	9.3	Test and clean sanitary drain pipes		Each		10.00	0
	9.4	Install new sanitary drain pipes (specify diameter and type)	150 mm	LM	1270	12.00	15240
	9.5	Clean and repair existing septic tanks (to include new locking hatch covers)		Each			0
	9.6	Install new septic tank (to include locking hatch covers)	1500 L	Each	5	750.00	3750
		Remove existing septic tanks and manholes		Each	13	500.00	6500
	9.7	Install new porcelain sink with shut-off valves		Each		150.00	0
	9.8	Install new water piping (specify size and type i.e. PVC, steel, copper…)	100 mm	LM	180	25.00	4500
	9.9	Install new main shut-off valve	100 mm	Each	2	150.00	300
	9.10	Install backflow prevention valve		Each	1	200.00	200
	9.11	Install new plastic water tanks		Each		375.00	0
	9.12	Other (Describe in the space below. Use Bid Item 10 if necessary)		Indicate Unit of Measure Below			0
		Install shower unit		Each		150.00	0
		Water pump		Each		145.00	0
10 - OTHER BID ITEMS	ITEM	DESCRIPTION	SIZE	UNIT OF MEASURE	QUANTITY	UNIT PRICE ($ US)	ITEM COST ($ US)
	10.1	Provide armed security personnel 24 hours per day during the entire duration of the contract		DAYS			0
	10.2	Replace kitchen table/shelf		Each		150.00	0
	10.3						0
	10.4						0
	10.5						0
	10.6						0
	10.7						0
	10.8						0
	10.9						0
	10.10						0
	10.11						0
	10.12						0
	10.13						0
	10.14						0
	10.15						0
Estimated BID PRICE:		1979423					

[redacted]

Basrah Central Prison
Electrical Load

LOADS	MAX (kw)	DESIGN (kw)	
Interior Load	536,107	322,477	
Exterior Load	75,250	75,250	
Subtotal Load	611,357	397,727	
Safety/Expansion Factor (15%)	91,704	59,659	
Maximum Total Load	**703,061**	**457,386**	
EQUIPMENT INVENTORY & COST ESTIMATE (Costs to Purchase & Install)	**QUANTITY**	**UNIT COST ($)**	**ITEM COST ($)**
Emergency Generators 600 KW	2	$119,000	$238,000
ITEM-1 Ceiling light with protective grill	491	$20	$9,816
ITEM-2 Night Light with protective grill	458	$20	$9,152
ITEM-3 Ceiling Light (Hallway)	58	$10	$580
ITEM-4 Ceiling Light (Workspace)	259	$10	$2,590
ITEM-5 Ceiling Fan w/Protective Grill & Room Wiring	259	$35	$9,065
ITEM-6 Ceiling Fan w/Room Wiring	110	$25	$2,759
ITEM-7 13-amp Electrical Outlets w/Room Wiring	89	$10	$890
ITEM-8 15-amp A/C Electrical Outlets w/Room Wiring	53	$10	$530
ITEM-9 1hp Water Pump (Centrifugal)	26	$100	$2,600
ITEM-10 Refridgerator	9	$500	$4,500
ITEM-11 Perimeter Flood Lights (250 Watt Metal Halide, Pole Mounted Mounted)	172	$400	$68,800
ITEM-12 Yard Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	162	$250	$40,500
ITEM-13 Overdoor Flood Light (150 Watt Low Pressure Sodium Light, Wall Mounted)	53	$250	$13,250
		TOTAL	**$403,032**

NOTE-1: Estimate does not include overhead (8%) and profit (8%). Unit costs are for materials and labor only. Overhead and profit to be included in summary estimate of all work elements.

NOTE-2: Estimate does not include purchase and installation of new main transformers, changeover switch, circuit breaker panels, isolation switches, or cabling. These depend on the installation design to be done by Infrastructure Assessment Team

For Preliminary Cost Estimate use

$ 500,000

[redacted]

COALITION PROVISIONAL AUTHORITY – SOUTH

BASRAH, IRAQ

U.S. Army Corps of Engineers **Forward Engineering Support Team**

Title: WR 49 Basrah Central Prison Preliminary Assessment and Cost Estimate

Requested by: Major [redacted]
UK Project Manager

Date: 24 July 2003

Signature: _____
Submitted by: [redacted]
CPA-S FEST Assessor

Date: 24 August 2003

Signature: _____
Approved by: [redacted]
CPA-S FEST Team Leader

Date: 24 August 2003

Project Location: Basrah

Grid Coordinates:QU 72396 73718

On-Site Personnel: Not Applicable

On-Site Security: Not Applicable

Executive Summary

The CPA FEST – A Team was requested by British Major [redacted] Project Manager / S02 Detention, to complete a detailed engineering assessment and cost estimate for the Basrah Central Prison. The report completed by the FEST – A Team would then be used as a tool to help secure capital funding from CPA and would also be used in the Tendering Process.

The proposed Basrah Central Prison would be a medium to high security prison that would hold 1000 to 1500 prisoners. It is located in southern Iraq and will be the main prison holding center in the southern Iraqi provinces. The present site is a former military barracks which was used to train the Fedayeen before Operation Iraqi Freedom.

The site consists of 29 buildings. These buildings are structurally in good condition. Looting has caused moderate but relatively expensive damage. Typically the damage was the removal of all doors and door frames; all windows and window frames; all electrical fixtures, outlets, boxes, and panels; all fans and appliances: almost all underground buried cables and pipes; metal roofing; all roof mounted water storage tanks and piping; all plumbing and plumbing fixtures; and all suspended ceilings. Part of the site has asphalt paving and portions of this paving are damaged. One building has roof tiles that were partially removed.

Completion of this report required visiting the site and preparing a site plan. This site plan was used to determine the security fencing layout, the drain lines layout, the waterline layout, and the preliminary buried electrical cable layout. These basic layouts were used to develop preliminary quantities and costs. Also during the site visits the conditions on each building were documented. This documentation was used to develop building renovation requirements and preliminary costs.

Through meetings with British Major [redacted] and Captain [redacted] the proposed layout of the compound and the usage of each building were developed. From these meetings the site plan was formalized and this report prepared. Design requirements for this prison included a new four (4) meter high solid perimeter wall to reinforce the existing one, new four (4) meter high interior security chain link fencing with coiled razor wire on top and a solid corrugated metal "dig" plate under the bottom, high security doors and windows, lights and nightlights in shatterproof bulkhead light fixtures, ceiling fans in steel cage enclosures, basic in-cell toilets and washing facilities, and very controlled movement of the prisoners. Guard towers will be constructed around the perimeter and security lights will be installed to illuminate the exterior of the compound as well as the interior. The compound will be equipped with an internal communications system and with an alarm system. The alarm system will be controlled at the central Guard House.

In addition to the prisoner holding buildings there will be a visitor's center, a reception building, a medical building, an administration building, a staff building, a kitchen, and a recreation building.

This report contains the preliminary assessment and design. Based on the assessment completed, the layout designed, the proposed usage of the buildings, and the level of security proposed the estimated construction project cost is $4,100,000. This cost includes the cost for a Project Construction Management Team to progress the construction of the Basrah Central Prison to completion and start-up.

It is recommended that this project be funded and put into operation as soon as possible to provide a usable and reliable prison system in the southern provinces of Iraq.

CPA-SOUTHEAST FEST
TECHNICAL ASSESSMENT REPORT

Title: WR# 49 Basrah Central Prison

Date: 30 July 2003

Time: 0830

Location: Basrah, Iraq

Grid Coordinates: QU 72396 73718

Inspectors: [redacted]

On-Site Personnel/Security: British hired security force

Mission/Objective: The objective of this project is to complete a detailed engineering assessment, a cost estimate, and sufficient documentation to assist in the tendering process for the renovation of this former military barracks to a medium to high security prison. The Basrah Central Prison is intended to hold 1000 to 1500 prisoners.

Background/Description of Problem: The existing military compound consists of twenty nine (29) buildings and a perimeter security wall. The compound was used to train Fedayeen soldiers before the war. The compound contains approximately 32,400 square meters of area inside the perimeter walls.

During the war the buildings were extensively looted. All windows, doors, water tanks, plumbing fixtures, furniture, appliances, electrical wiring and equipment, almost anything else that could be removed was removed. It appears that even the buried electric wires were removed. The entire metal roofing on one of the buildings was looted and part of the stone tile on another building was removed. Structurally the buildings are in very good condition with no war damage or fire damage.

Of the twenty nine (29) buildings fourteen (14) will be used to house the prisoners, nine (9) additional will be specifically used for the prisoners, three (3) will be used by the guards, three (3) will be used by the staff, and one (1) to house the generator and electric transformer. Some of the courtyards will be used as recreational areas for the prisoners.

Typical renovation items for the buildings will include new doors, new windows, general wall repairs, painting, new electric service line and breaker panel, electrical outlets, phone service, individual room air conditioning units, ceiling fans, and window security bars. Typical renovation items for the high security buildings will include barred windows, barred doors, bulkhead lights, fans in steel cage enclosures, reduced window and door sizes, tile removal from the floors, and basic toilets in the prisoner rooms. Most of the buildings will require new roof water tanks and new plumbing. The compound will have a backup generator and will be

connected to the water main need the street. The basic toilets will include an eastern toilet, a tap low to the floor, a drain, and privacy walls.

The perimeter wall is concrete and was raised to provide security until this project can be completed. The north perimeter presently is a common wall with some residential buildings. A second temporary perimeter wall was constructed until the issue with residential properties can be resolved. There is a security force at the compound that is also providing temporary security measures. This project will include constructing a new perimeter wall inside the existing wall to reinforce the existing. In addition to the perimeter wall there will be constructed 3 meter high security chain link fencing with security wire continuous along the top. This security fencing will subdivide the interior of the compound into different holding segments.

It is important that this prison compound be completed and ready to occupy as soon as possible.

Facts & Technical Details: The twenty nine building will be used as follows:

Location / Building Designation	Number of Buildings	Total Square Meters
Administration	1	167
Medical	1	374
Reception	1	309
Staff and HQ	1	750
Visitor's	1	376
Kitchen and Recreation	1	575
Entrance Guard	2	50
Guard House	1	28
A-Wing & B-Wing	8	2496
C-Wing	3	996
A, B, & C Wing Bathrooms	5	315
Female Holding	1	124
Juvenile Holding	1	194
Segregation	1	214
Generator	1	79
TOTAL		7047

In addition to these twenty nine (29) buildings eight (8) guard towers will be built for addition security. These guard towers will be located between the perimeter wall and Sterile Area fencing. The floor of these guard towers will be at a level of four (4) meters.

There are several septic/holding tanks and manholes through the compound. These tanks will be removed and replaced with new tanks, drain lines, and cleanouts. The location of the tanks and the cleanouts will be outside of the fenced in areas for the prisoners. These septic/holding tanks will require periodic cleaning from an outside firm.

Two (2) water tanks will be installed at the Generator/Transformer/Water Tank building that will be supplied with water from the water main near the street. These two tanks will then provide water to the rest of the smaller water tanks through the compound. Circulation of water will be through water pumps at the Generator/Transformer/Water Tank building and at each of the individual buildings. The water supply to each of the building's bathrooms will be from individual water tanks on the buildings roof.

According to the local Iraqi working at the prison there never was electrical power into the prison compound. The facility was wired for electrical service, but it was never provided. There is a large substation approximately 700 meters to the north; a new main line with transformer will be required from this facility. The electrical supply to the compound will enter from the street on the east side and go directly to the Generator Building where all the control panels will be housed. New underground electric cables will go underground to each building from that point.

There is a limited amount of asphalt pavement within the compound perimeter walls. Portions of the asphalt pavement will require repairs and replacement. The only proposed new pavement is a section to the emergency (double doors) proposed in the Medical Building.

The buildings that will house the prisoners will require high security windows and doors. These windows and doors will be metal bars that will not allow the prisoners to stick an average hand through the grid openings. All windows, doors, and door frames will be metal with continuous weld fabrication. All attachment hardware will be tamper proof. All lights will be of the shatterproof bulkhead design. All rooms, that the prisoners will be in, will also have nightlights that cannot be adjusted or turned off by the prisoners. All fans will be enclosed in steel cages that have a grill covering to prevent handholds, points of anchorage, or places for attaching ligatures. All floor tiles will be removed and the floor covered with a screed layer of concrete so that the tile cannot later be removed by the prisoners and used as a weapon.

See attached site plan drawings for compound layout.

Observations:

There are 29 existing buildings. All but one of the buildings are one story. The building designated Staff and Regional Headquarters is a two story building. All of the buildings are of the typical brick construction with cement plaster facing. The roof and floor slabs are reinforced concrete on all the buildings except one. For the building designated the Visitor's Center the roofing was corrugated steel. The doors, windows, electrical, and plumbing have been looted from all the buildings. The removal of the door and window frames resulted in minor to moderate damage to the walls. In some of the buildings the floor tiles were removed. In the buildings designated the Visitor's Center and the Recreational Hall the suspended ceilings were removed and destroyed. All roof mounted water storage tanks along with the necessary piping and water pumps were looted. The yard area electrical cables and drainage piping were dug up and looted.

All the buildings are structurally sound. There were no buildings that show signs of settlement, overstress, water damage, poor construction, or general deterioration. To return the buildings to their original condition would vary on the extent of the damage done during the looting, but none of the buildings would require restoration due to poor design or poor construction practices.

Fourteen of the twenty-nine buildings will contain cells for the inmates. In these fourteen buildings the windows and doors will be replaced with high security windows and doors. The frames to these replacement items will be steel and will be securely mounted to the walls using tamper proof hardware. All the replacement lights in these buildings will be shatterproof bulkhead style light fixtures.

The perimeter wall is a solid wall constructed out of brick and faced with cement plaster. The British had this wall raised for security measures to protect the buildings from further looting. The strength of this wall is questionable. This wall needs to be reinforced with a second wall immediately inside of it and raised to a height of four (4) meters. On the top of this wall security measures must be installed to prevent someone from scaling over the wall.

The yard is open around all the buildings. This yard will require four (4) meter high security fence with razor wire on top to isolate the various blocks of prisoner holding areas. The area for men must be isolated from the area for the juveniles and the area for the women. Some limited grading will be required.

Portions of the yard have been paved with asphalt pavement. This pavement has been cut and damaged in various locations. Isolated repairs will be required. One new section of pavement will be required and that will be a strip to the Emergency door of the Medical Building.

There is no electric power to the site. A new power line and transformer will have to be installed from the substation, approximately 1000 km away. This power will be taken to the building designated as the Generator Building and distributed to the rest of the compound from that point. There is no backup generator and one has been included in this project.

Project Construction Management Team:

A project of this size will require a dedicated project construction management team overseeing the construction operations. This team in addition to overseeing the construction inspectors will be involved in the following tasks:

a. will review and approve or reject submitted shop drawings,
b. will interpret the Contract Documents for the Contractor,
c. will review and understand the contract documents to ensure that they are fully aware of and can communicate the project needs,
d. will communicate with the Contractors and Subcontractors with regards to their project task specialty,
e. will observe and document the progress of their portion of the project,
f. will not act as supervisors or foremen but will bring deficiencies to the attention of the Contractor,
g. will approve work completed,
h. will approve change orders or submit a written request for the change based on the dollar value,
i. will communicate with the other members of the Project Management Team to coordinate the construction efforts,
j. will prepare schedules for work tasks, phase deadlines, and completion,
k. will review and approve pay estimates,
l. will observe and document work safety conditions and bring the deficiencies to the attention of the Contractor and other Team members,
m. will review test results and recommend follow up procedures,
n. will prepare interim and final inspection checklists.

The above list of tasks is a general list and is not all inclusive of all the tasks that will be required.

The Project Construction Management Team makeup and general tasks will consist of five (5) individuals:

a. General Manager — This individual will be in charge of overall project management, coordination, and administration. He will be responsible for the project being completed on schedule, within budget, and on time. He will be in communication with all the Team members on a continuous basis. The General Manager will have the authority to prepare, negotiate, and execute contract modifications.

b. Site Manager — This individual will be in charge of the site work which as a minimum will include the site grading, perimeter wall construction, security fence installation, interior roads, drainage pipes, water lines, septic/holding tanks.

c. Electrical Manager — This individual will be in charge of all the electrical requirements including underground wiring, building wiring including high security conditions, electric panels, electric

transformer, limit switches, generator, external power supply, exterior security lighting.

d. Systems Manager — This individual will be responsible for work such as the internal and external phone system, the alarm system, the alarm control panel, the sirens, system logistics, system start up, and ensure proper training of the personnel on how to use system.

e. Building Renovation — This individual will be responsible for work such as the building renovations that will require both typical and high security conditions, high security door and window installation, high security fan and enclosure installation, high security interior lighting installation, floor preparation in high security areas, roof restoration, internal plumbing, and external plumbing with water storage tanks,

It is estimated that a project of this size will take nine (9) months to a year to complete.

It is estimate that the overall project costs for this Team will be $400,000.

General Tasks for Completion:

The tasks generally undertaken to bring this project to completion includes:

1. FEST Team prepare preliminary assessment design report and preliminary cost estimate (this report),
2. UK Project Manger/Administrator seek and secure the necessary funding,
3. FEST Team prepare scope of work and contract documents,
4. UK Project Manager solicit bids with guidance and assistance from Contractors, FEST and RIG has a list that can be consulted,
5. UK Project Manager and FEST Team evaluate bids
6. UK Project Manager awards contract
7. UK Project Manager develops Project Construction Management Team

Attachments:

Appendices

1. Preliminary Cost Estimate Summary Sheets
2. Photographs

Preliminary Cost Estimate:

The preliminary cost estimate for the Basrah Central Prison is $4,100,000. The break down of individual costs is as shown in the following table.

Location Name	Number of Buildings	Total Square Meters	Estimated Cost
Administration	1	167	$16,000
Medical	1	374	$28,000
Reception	1	309	$21,000
Staff and HQ	1	750	$44,000
Visitor's	1	376	$37,000
Kitchen and Recreation	1	575	$32,000
Entrance Guard	2	50	$5,000
Guard House	1	28	$6,000
Guard Towers	8	72	$41,000
A-Wing & B-Wing	8	2496	$179,000
C-Wing	3	996	$152,000
A, B, & C Bathrooms	5	315	$45,000
Female Holding	1	124	$17,000
Juvenile Holding	1	194	$37,000
Segregation	1	214	$59,000
Generator	1	79	$8,000
Yard & Security	1	32380	$2,139,000
Electrical Requirements	29		$500,000
Project Management			$400,000
Contingency (10 %)			$334,000
TOTAL			**$4,100,000**

Recommendations:

It is recommended that this project progress to completion. The site is very suitable for the intended purpose, it is available, and some preliminary work has already been completed. The buildings are in good condition structurally. Generally the building repairs required are the installation of doors, windows, electrical (wires, switches, fans, and fan controls), bathroom facilities, and water supply. In a few locations interior walls will be relocated and existing openings filled in. The most expensive items to complete relate to the high security measures, including the barred windows, barred doors, solid metal doors, security fencing, solid perimeter wall, security lighting, and guard towers. These security items would be required for any site chosen. Specialty items required include the internal alarm system and control panel and the internal phone system and switchboard.

The renovation of this facility could begin within a very short time frame after funds are made available for this project. Because of the diversity of the work involved, with renovating these twenty-nine buildings, the type of work required, and the time frame necessary to bring the project to a successful completion, it is imperative that a Project Construction Management

Team be utilized to oversee this project. The cost of the Project Construction Management Team is included in the preliminary cost estimate.

Because of the lack of adequate prison facilities in the southern provinces of Iraq, it is recommended that this project be approved for construction and put into operation as soon as possible.

It is possible that this project can be completed in phases in order to start utilizing the facility within the earliest possible time frame. The progression of this phased construction should be determined by the Project Construction Management Team. This Team would determine the most efficient and most cost effective phasing, scheduling, and utilization of the facility. However, the completion of this project in phases, while the site is being utilized, has the potential for increasing the overall projects costs by 5%.

Submitted By:

Approved By:

CPA S FEST Team Leader

APPENDIX 1

PRELIMINARY COST ESTIMATES SUMMARY SHEETS

APPENDIX 2

PHOTOGRAPHS