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FABRICATION BUILDING,
CHEMICAL CLEANING AND PLATING FACILITY

PRELIMINARY COST ESTIMATE

SUMMARY

<u>Description</u>	<u>Contract Number</u>	<u>Account Number</u>	<u>Cost</u>	<u>Total Cost</u>
Plating & Cleaning Area	524/525	5250	\$121,100	
Cleaning & Chemical Storage Building	"	5250	41,400	
*Water Distilling Unit, Installation	"	5250 673	10,730 24,970	
Monorail Cranes	"	7931	<u>5,400</u>	
				\$203,600

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*Approx. 70%, i.e. \$24,970 of Still Installation costs are charged to LCW Distribution Systems #673

PRELIMINARY COST ESTIMATE

DETAILS

<u>Acct. No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Cost</u>	<u>Item Cost</u>	<u>Total Cost</u>
5250	<u>Plating & Cleaning Area</u>				
	Architect-Struct.				
	6" Rock Pad	55 CY	\$ 8.00	\$ 450.	
	6" Concrete Slab	55 CY	40.00	2200.	
	Equip. Footings		L.S.	500.	
	Timber Supports	3000 SF	.80	2400.	
	Wood Flooring	2000 SF	.50	1000.	
	EC Coating of Slab & Trench	3500 SF	2.20	7700.	
	EC Coating, Walls	1125 SF	2.20	2450.	
	Perf. Metal Ceiling, Painted	3000 SF	2.00	6000.	
					\$22,700
	Mechanical				
	Low Press. Air Sys.		L.S.	1500.	
	Compr. Air System		"	3600.	
	Nitrogen System		"	700.	
	Domestic Water System		"	6800.	
	Tank Heating Water Sys.		"	21,100.	
	Distilled Water System		"	5500.	
	Installation of Tanks, etc.		"	2000.	
	Plumbing		"	2800.	
	Ventilation		"	35,500.	
	Waste Water Jet Eductor, PH Control		"	500.	
					\$80,000
	Electrical				
	120V Outlets	90 ea.	50.00	4500.	
	208V Outlets	15 ea.	100.00	1500.	
	480V Outlets	7 ea.	200.00	1400.	
	480V Panel	1 ea.	1500.00	1500.	
	Bonding & Ground		L.S.	1000.	
	Vent. Fans, Power	2 ea.	1000.00	2000.	
	Misc. (Racks, Supports etc.)			2000.	
					\$13,900
	Instrumentation				
	Waste Probe, Meter, Installed		L.S.	4500.	
					\$ 4,500
	TOTAL, PLATING & CLEANING AREA (Acct. No. 5250)				\$121,100

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7-931	Monorail Cranes			
	500 lb Crane, complete	1	L.S.	2030.
	1 T Crane, Complete	1	L.S.	3370.
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				\$ 5,400

5250 Cleaning & Chemical Storage Building

Architect.-Struct.

Excavation-Base Course	182 CY	7.42	1350.
Concrete, Ftgs, Slab	132 CY	51.50	6800.
Structural Steel	18½ T	500.00	9250.
Metal Siding	2920 SF	1.00	2920.
Roof Deck	3000 SF	1.00	3000.
Roofing & Roof Insul.	3000 SF	.60	1800.
Painting	11,400 SF	.12	1370.
Gates & Posts	4 ea.	120.00	480.
Sheetmetal Flashings	305 LF	1.25	380.
Metal Doors & Hdwe.	200 SF	4.00	800.
Crane Rail Supports	3000 Lbs.	.25	750.
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			\$28,900

Mechanical

Piping		L.S.	8000.
Ventilation		L.S.	1500.
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			\$ 9,500

Electrical

120 V Power		L.S.	2400.
480 V Power		L.S.	600.
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			\$ 3,000

TOTAL, CLEANING & CHEMICAL STORAGE BUILDING \$41,400

5250 Water Distill. Unit, Install.

Still, Installation		L.S.	5400.
Water Treating Unit			3400.
Instrument Air			800.
Storage Tank (12,000 gal.) & Installation			5000.
Pump (45 GPM, SS)			3000.
Hot Water Piping			3500.
Distilled Water Piping			300.
Plumbing			2000.
Distilled Water to Klystron Gallery			1700.
Instrument Air			1700.
Industrial Water			400.
Electrical Power (from Fabrication Building)			5500.
Earthwork, Concrete			3000.
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			\$35,700

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PRELIMINARY SCHEDULE
CHEMICAL CLEANING AND PLATING FACILITIES

	<u>Date</u>	<u>CPM</u>
ABA/Title I Report	6/26/63	502
SLAC-AEC/Review & Approval	7/11/63	512
ABA/Title II 50% Submittal	8/22/63	542
ABA/90% Submittal	9/23/63	562
SLAC-AEC/Review & Comments	10/10/63	575
ABA/Revisions	10/22/63	583
ABA/100% Review	10/24/63	585
ABA/Reproduction	10/29/63	588
ABA/100% Submittal	10/29/63	588
ABA/Issue Bid Documents	10/31/63	590
ABA/Bid Opening	12/ 3/63	612
ABA/Recommendation	12/ 6/63	615
SLAC-AEC/Approval for Award	12/17/63	622
ABA/Notify Contractor	12/19/63	624
Contractor/Obtain Bonds	12/26/63	628
ABA/Sign Contract	12/27/63	629
SLAC/Sign Contract	12/30/63	630
ABA/Notice to Proceed	1/ 2/64	632
Construction	4/17/64	707

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DRAWINGS

<u>Drawing No.</u>	<u>Date</u>	<u>Title</u>
SKA-06213-A	6-21-63	Plot Plan
SK-C-06173-A	6-20-63	Plan of Underground Utilities, Cleaning & Chemical Storage Area
SKA-06213-B	6-21-63	Chemical Cleaning Building
SKA-06213-C	6-21-63	Chemical Cleaning Building
SKA-06213-D	6-21-63	Fabrication Building, Section at Plating Area
SK-M-00063-A	6-18-63	Fabrication Building, Distilled Water Unit Diagram
SK-M-00063-B	6-18-63	Fabrication Building, Distilled Water Unit Layout
SK-M-00063-C	6-18-63	Fabrication Building, Cleaning & Chemical Storage Area
SK-M-00063-E	6-18-63	Fabrication Building, Plating Area, Ventilation Diagram
SK-M-00063-F	6-18-63	Fabrication Building, Pipe Trench Under Cleaning & Chemical Storage
D-524/525-903	4-23-63	Fabrication Building, Plating Area, Chemical Waste Instrumentation Diagram

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