

(1) OF (7)

NAVFAC 11013/7 (1-78)
Supersedes NAVDOCKS 2417 and 2417A

COST ESTIMATE

DATE PREPARED
2-26-87

SHEET 1 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

MARINE CORPS BASE BLDG. 18

ESTIMATED BY
BLANTON

CATEGORY CODE NUMBER

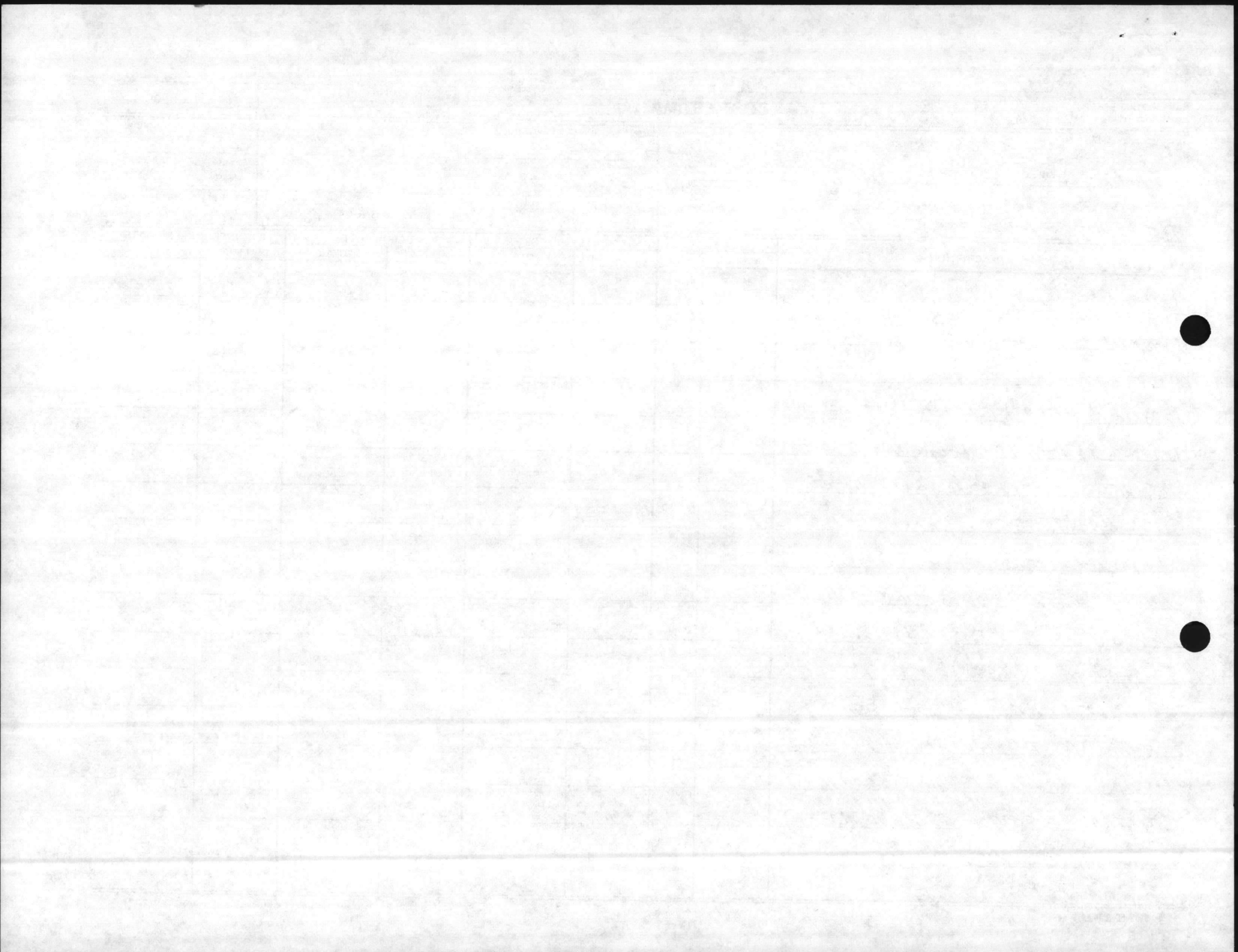
PROJECT TITLE

STATUS OF DESIGN
 PED 30% 100% FINAL Other (Specify)

JOB ORDER NUMBER

RENOVATE ELECT SYS.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
(KITCHEN) REPL & CONSOLIDATE INTO (1) MAIN SERVICE & SERVICE EQUIP ADEQUATE IN SIZE TO SUPPLY BLDG EQUIP & NEW HEATING & AC SYS. (1) 200 A 3φ 40CKT PANEL, (1) 125 A 10MD CENTER 8CKT, (2) 30 A 3φ (2) 60 A 3φ DISCONNECTS. BOND & GR. PER NEC. HEAD QUARTERS OFFICES. REPL & CONSOLIDATE (1) 100A 3φ 16CKT BRK PANEL (1) 30 A 1φ DISC & (1) 30 A 1φ 4CKT PANEL, INSTALL NEW FEEDERS TO NEW PANEL, GR./BOND PER NEC. HIGH BAY AREA. (ROLL UP DOORS.) REPL DISCONNECTS, LINE STARTER, CONTROLS STATIONS & REWIRE COMPLETE, TO INCLUDE CONTROLS FOR DOORS.				2800		1400		4200
				850		600		1450
				1400		800		2200



(2)

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SHEET 2 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

MARINE CORPS BASE
PROJECT TITLE

ESTIMATED BY
BLANTON

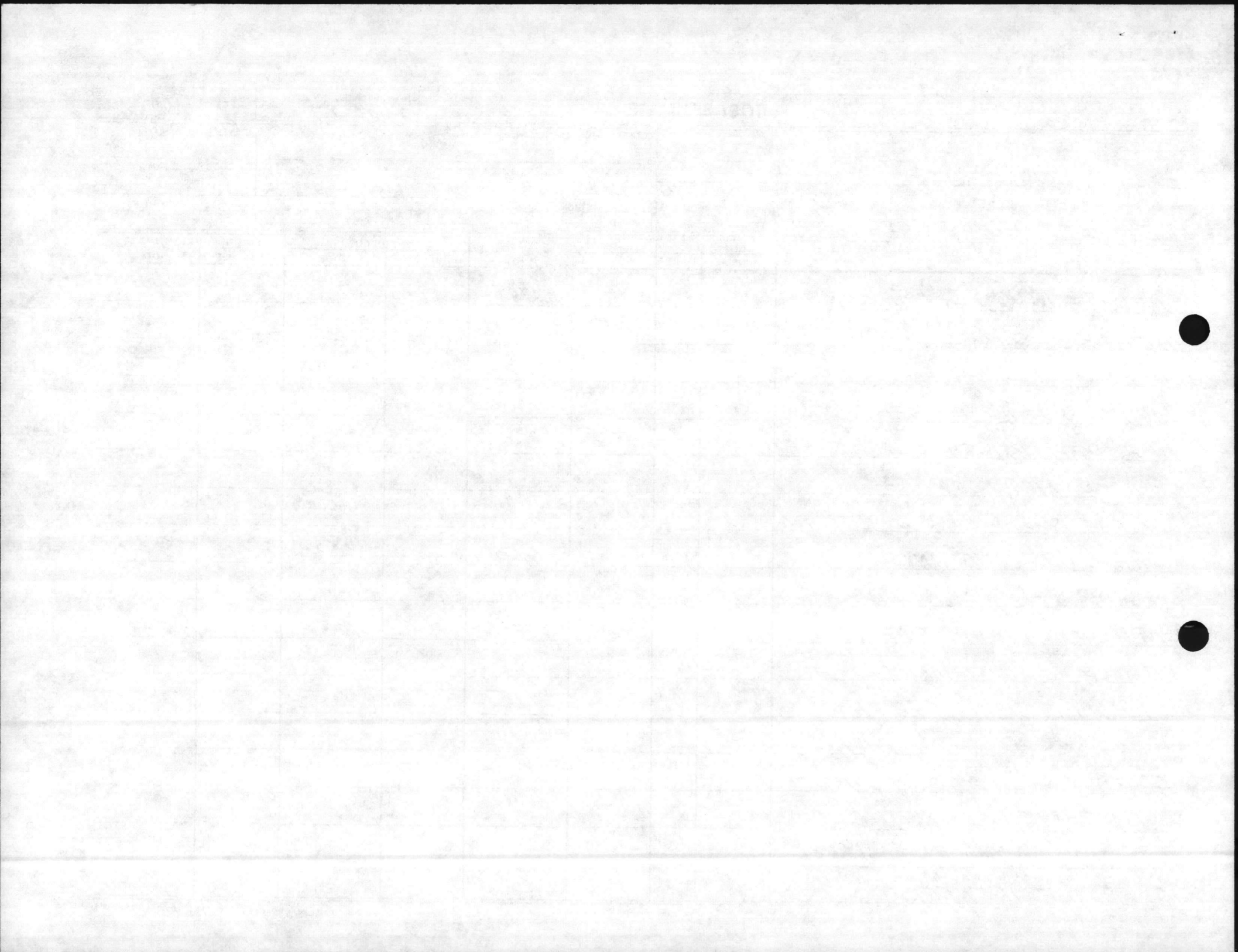
CATEGORY CODE NUMBER

STATUS OF DESIGN
 PED 30% 100% FINAL Other (Specify)

JOB ORDER NUMBER

RENOVATE ELECT. SYS.

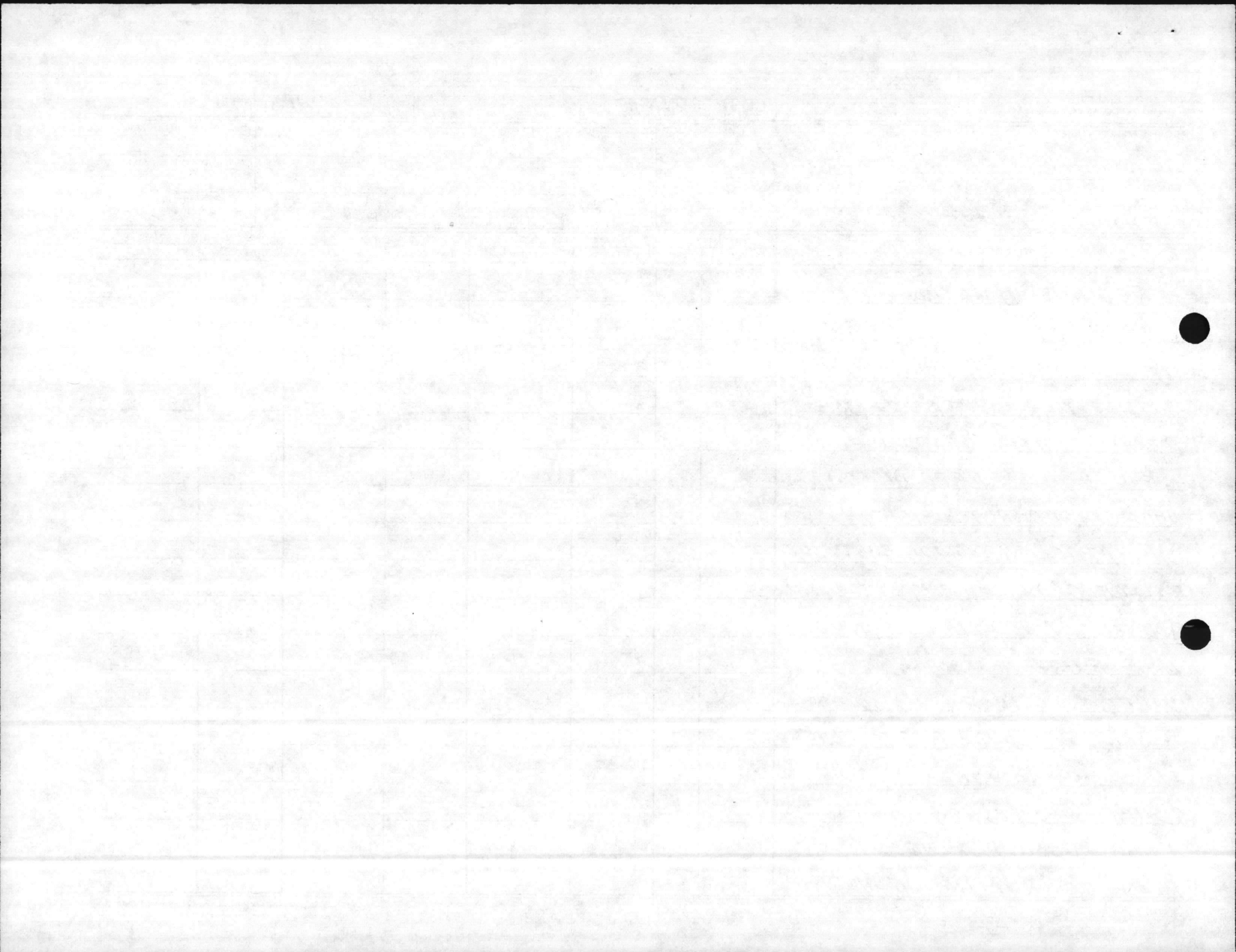
ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REWIRE WIRE HOT WATER HEATER COMP.				75		75		150
OFFICE, KITCHEN, DISPATCH OFFICE LIVING QUARTERS NEW CEILING, REPL EXISTING LIGHTS W/ NEW LIGHTS TO BE COMPATIBLE W/ NEW CEILING				2000		3200		5200
REPL OUTSIDE INCANID LIGHTS W/ HPS. W/ PHOTO CELLS.				640		300		940
REWIRE INSIDE FIRE BELL REMOVE ROMEX WIRING.				100		100		200
REWIRE UNIT STEAM HEATERS IN HIGH BAY AREA COMPLETE W/ CONTROLS HPS LIGHTS IN HIGH BAY AREA TO REMAIN AS IS. REWIRE IF NEEDED.				125		125		250



#3.

ACTIVITY AND LOCATION MARINE CORPS BASE BLDG. 18 PROJECT TITLE RENOVATE ELECT SYS	CONSTRUCTION CONTRACT NO. ESTIMATED BY STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify) _____	IDENTIFICATION NUMBER CATEGORY CODE NUMBER JOB ORDER NUMBER
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ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REWIRE BLDG COMP.				5000		6000		11,000
CEILING TO BE REPL., WALLS TO BE FURRED OUT. ALL CONDUIT, OUTLET BOXES, J.B. TO BE ABOVE CEILING & RECESSED IN NEW WALLS. REPL ALL (2) WIRE UNGROUNDED LIGHTING, RECEPTACLE & SWITCH CRTS. W (3) WIRE GROUNDED CRTS - GROUND								
ALL ELECT EQUIP PER. NEC. USE EXISTING RACE-WAYS WHERE POSSIBLE. REMOVE ALL ABANDON CONDUIT, J.B., OUTLETS BOXES, PANELS, DISCONNECTS & WIRE TO INCLUDE ROMEX. FROM BLDG. REMOVE OLD BLACK OUT BOX IN KITCHEN								



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SHEET 4 OF 7

ACTIVITY AND LOCATION
MARINE CORPS BASE BLDG-18

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE
RENOVATE ELECT. SYS.

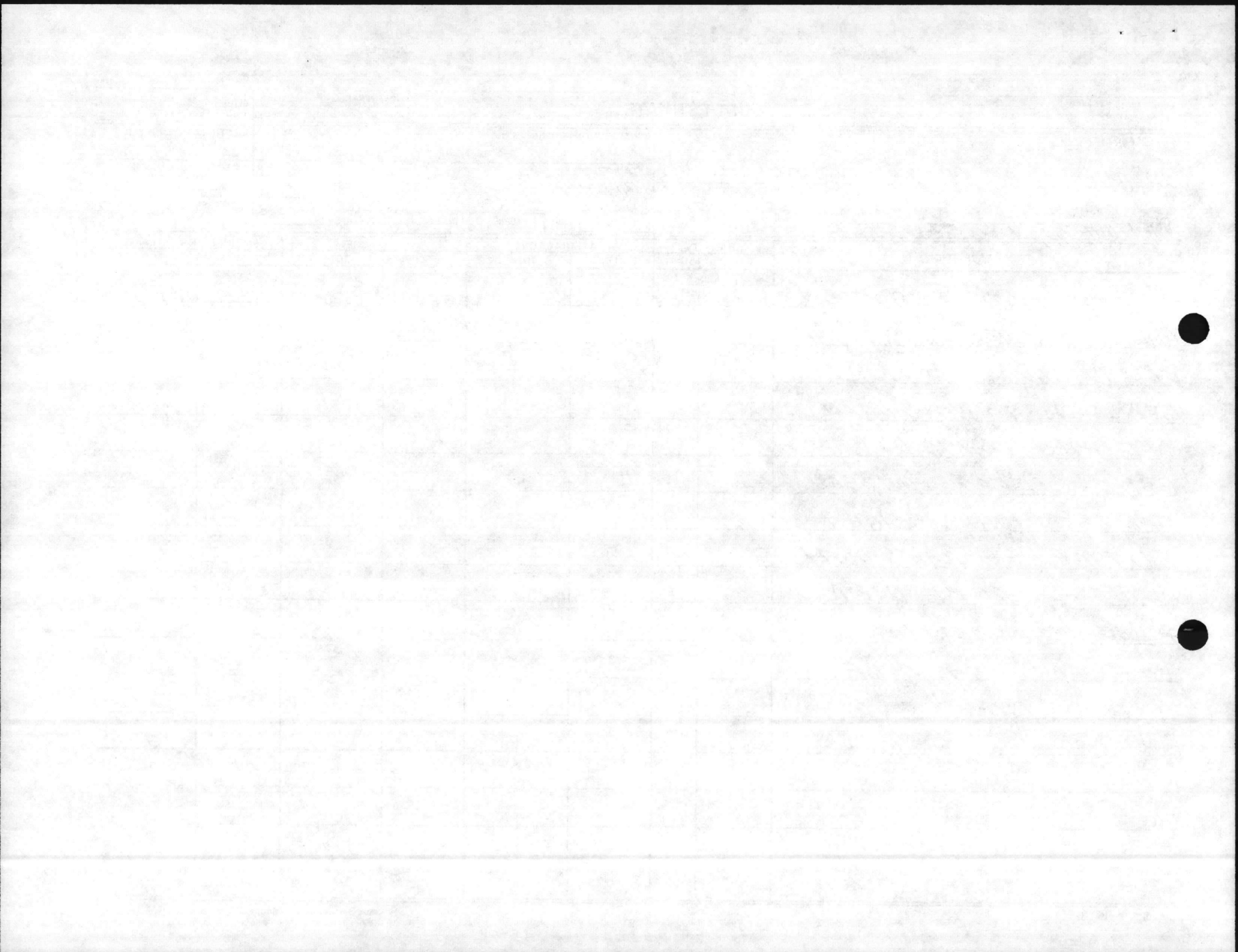
ESTIMATED BY
BLANTON

CATEGORY CODE NUMBER

STATUS OF DESIGN
 PED 30% 100% FINAL Other (Specify)

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<u>DISPATCH OFFICE BATTERY</u>				<u>1000</u>		<u>700</u>		<u>1700</u>
<u>ROOM. REPL EX-FANS, W/NEW</u>								
<u>FAN CONTROLS. BATTERY</u>								
<u>CHARGER TO BE CONTROL</u>								
<u>OFF FAN CONTROLS. CHARGER</u>								
<u>NOT TO OPERATE UNLESS</u>								
<u>FAN IS RUNNING. LIGHT</u>								
<u>FIXTURE, ^{V. PROOF} SWITCHES, OUTLETS</u>								
<u>& CONTROLS TO BE VAPOR</u>								
<u>PROOF OR LOCATED OUTSIDE</u>								
<u>ROOM. FAN MOTOR TO BE</u>								
<u>INCLOSED TYPE.</u>								



(5)

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SHEET 5 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE
MARINE CORPS BASE BLDG-18

ESTIMATED BY
BLANTON

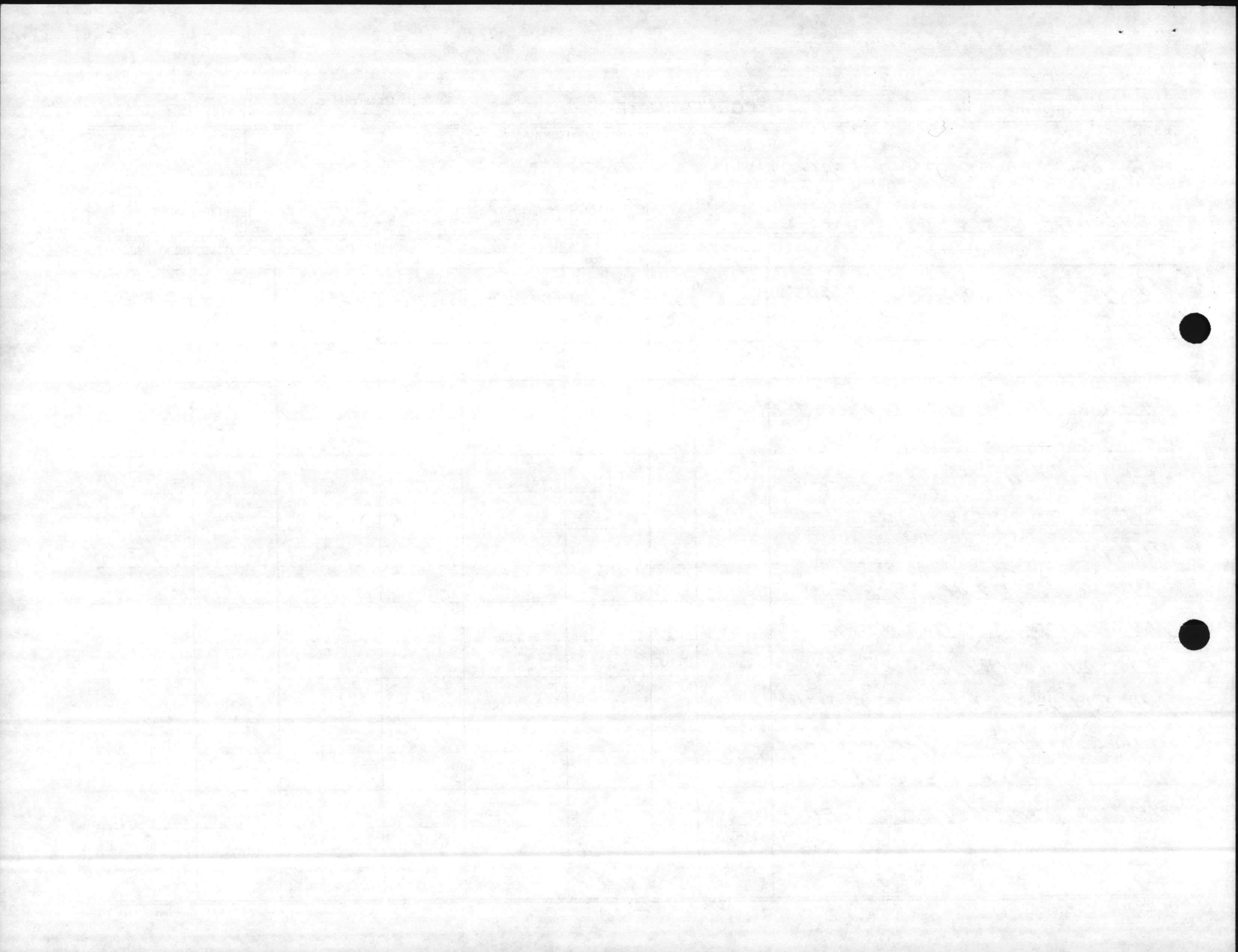
CATEGORY CODE NUMBER

RENOVATE ELECT SYS.

STATUS OF DESIGN
 PED 30% 100% FINAL Other (Specify) _____

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
EXIT & EMERGENCY LIGHTS				2500		1250		3750
AS REQUIRED (TO BE SELF-CONTAINED TYPE) HIGH BAY EMERG. TO BE WALL MOUNTED								
SELF CONTAINED UNITS, OFFICE KITCHEN & UP STAIRS AREAS TO BE BATTERY PACK FLUOR UNITS.				1500		750		2250
RADIO DISPATCH OFFICE								
NEW 60A 1φ 16 CKT PANEL TO REMAIN. REPLACE FEEDERS ADD EQUIP GR. REPLACE EXISTING DOUBLE THROW SWITCH w/ 1 AUTO TRANSFER SWITCH GROUND, BOND & LABEL. PER NEC.								



COST ESTIMATE

DATE PREPARED
2-26-87

SHEET **6** OF **7**

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

MARINE CORPS BASE BLDG-18
PROJECT TITLE

ESTIMATED BY
BLANTON

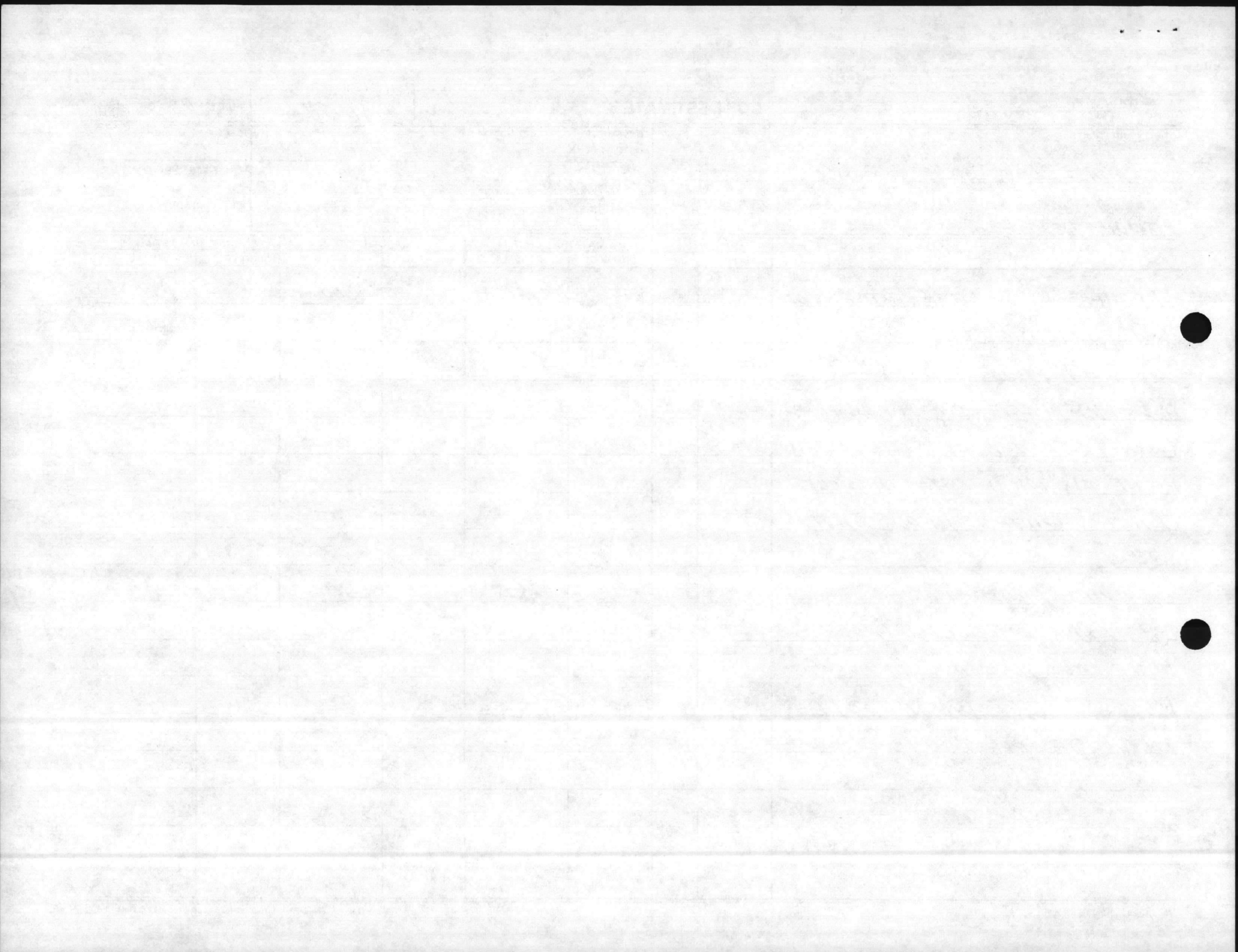
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RENOVATE ELECT

STATUS OF DESIGN
 PED 30% 100% FINAL Other (Specify) _____

JOB ORDER NUMBER

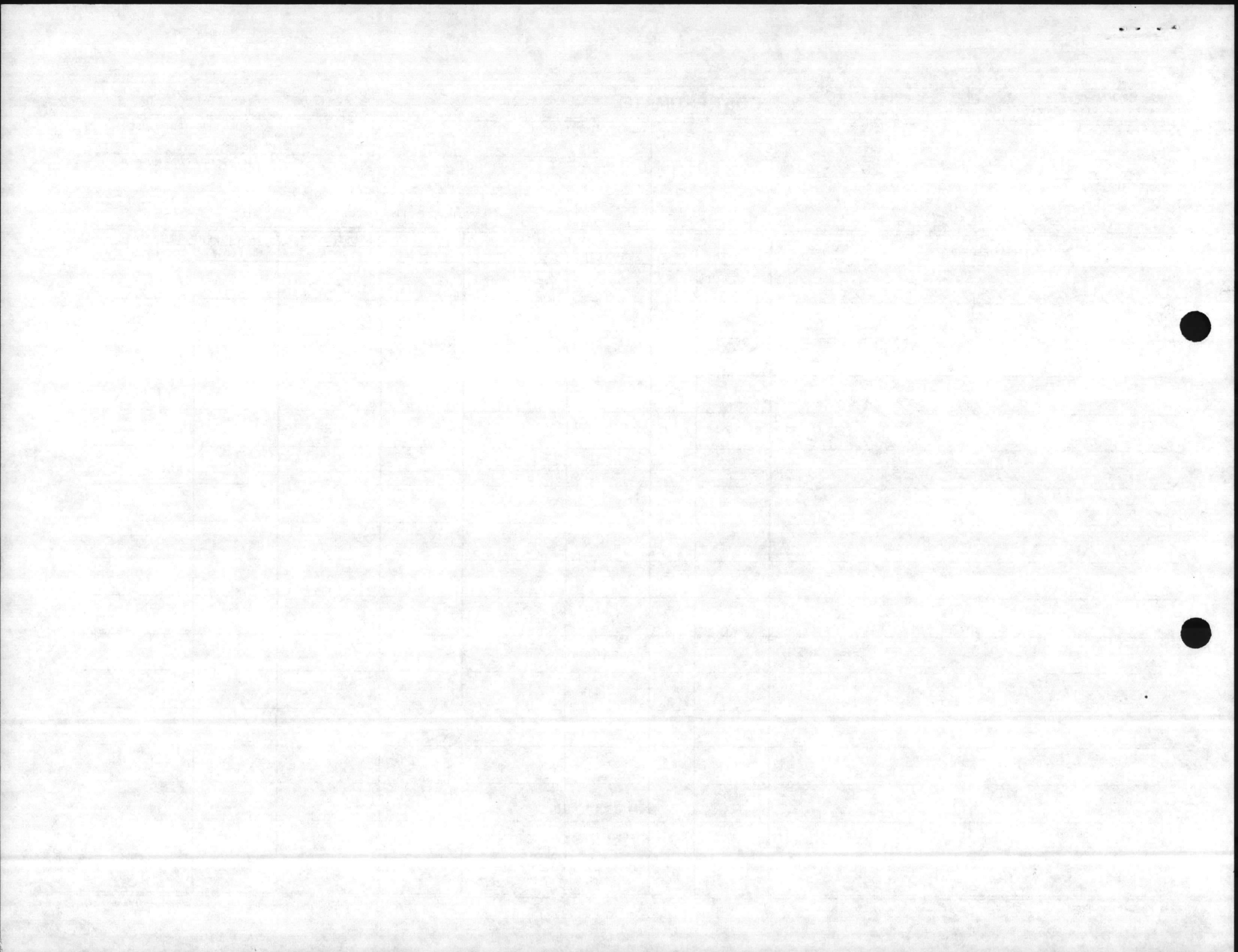
ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REWIRE COMPLETE SIREN ON POLES OUTSIDE BLDG- REPL CONDUIT FROM BLDG- & UP POLE. REPLACE 3 & DISCONNECT & LINE STARTER. ON POLE OUTSIDE REPL ALL WIRING TO INCLUDE CONTROL WIRING, REPL CONTROL SYS.				750		500		1250
WIRE NEW HEATING/AC SYS, TO REPLACE OLD SYS. WIRE ALL MOTORS, VALVES, & ROOM UNITS. WIRING TO INCLUDE ALL CONTROLS.				1500		900		2400



#7

ACTIVITY AND LOCATION <u>MARINE CORPS BASE BLDG 18</u> PROJECT TITLE <u>RENOVATE ELECT SYS.</u>	CONSTRUCTION CONTRACT NO. ESTIMATED BY <u>BLAN TON</u> STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify) _____	IDENTIFICATION NUMBER CATEGORY CODE NUMBER JOB ORDER NUMBER
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ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<u>REPAIR ALL DAMAGE TO BLDG</u>				<u>300</u>		<u>400</u>		<u>700</u>
<u>CAUSE BY ELECT REWIRE.</u>								
<u>OUTSIDE TRANSFORMERS</u>				<u>33600</u>		<u>1500</u>		<u>4800</u>
<u>& SERVICE FOR ADEQUATE</u>								
<u>SIZE. REPLACE IF NECESSARY</u>								
<u>TO SUPPLY NEW SERVICE</u>								
<u>& EQ W/P.</u>								
<u>TOTAL</u>				<u>23840</u>		<u>18600</u>		<u>42440</u>



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SHEET OF

ACTIVITY AND LOCATION

18

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

Huffman

CATEGORY CODE NUMBER

STATUS OF DESIGN

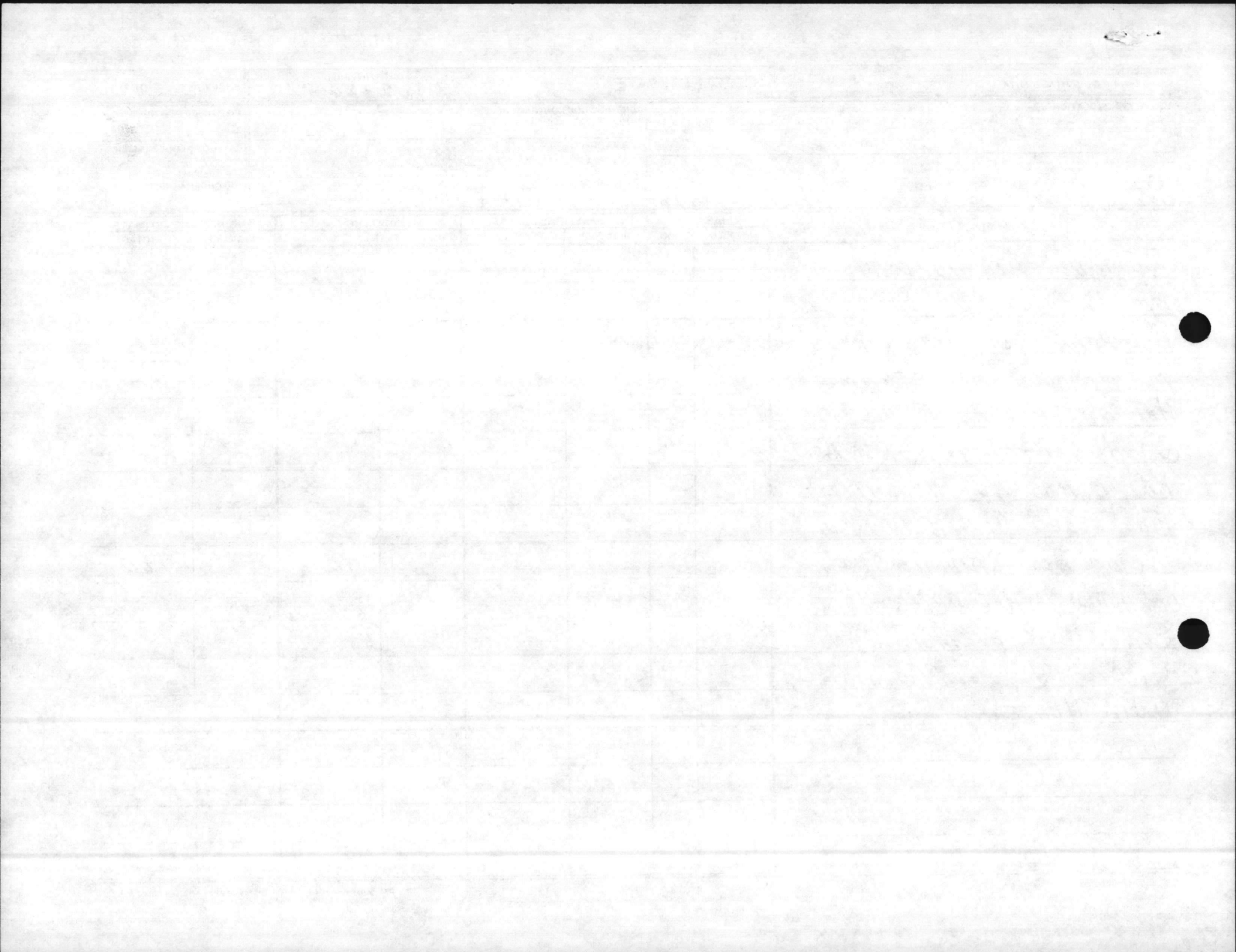
PED 30% 100% FINAL Other (Specify)

JOB ORDER NUMBER

PROJECT TITLE

REPAIR/RENOVATE HTG, A.C., PLBG, PIPING SYS.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REMOVE ALL ASBESTOS INSULATION AND PIPING ON ALL PORTABLE WATER INCLUDING MAIN VALVE, ALL STEAM AND HOT WATER PIPING, ALL CONDENSATE PIPING. (CONDENSATE PIPING HAS NO INSULATION). FIRE HOSE PIPING NO INSUL.	-			2,640		20,500		23,140
DEMO ALL RADIATORS, (STEAM AND HOT WATER) HOT WATER HEAT CONVERTER, EXPANSION TANK, CIRCULATING PUMP, WINDOW A.C., UNIT HEATERS.	-					700		700



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Huffman

CATEGORY CODE NUMBER

PROJECT TITLE

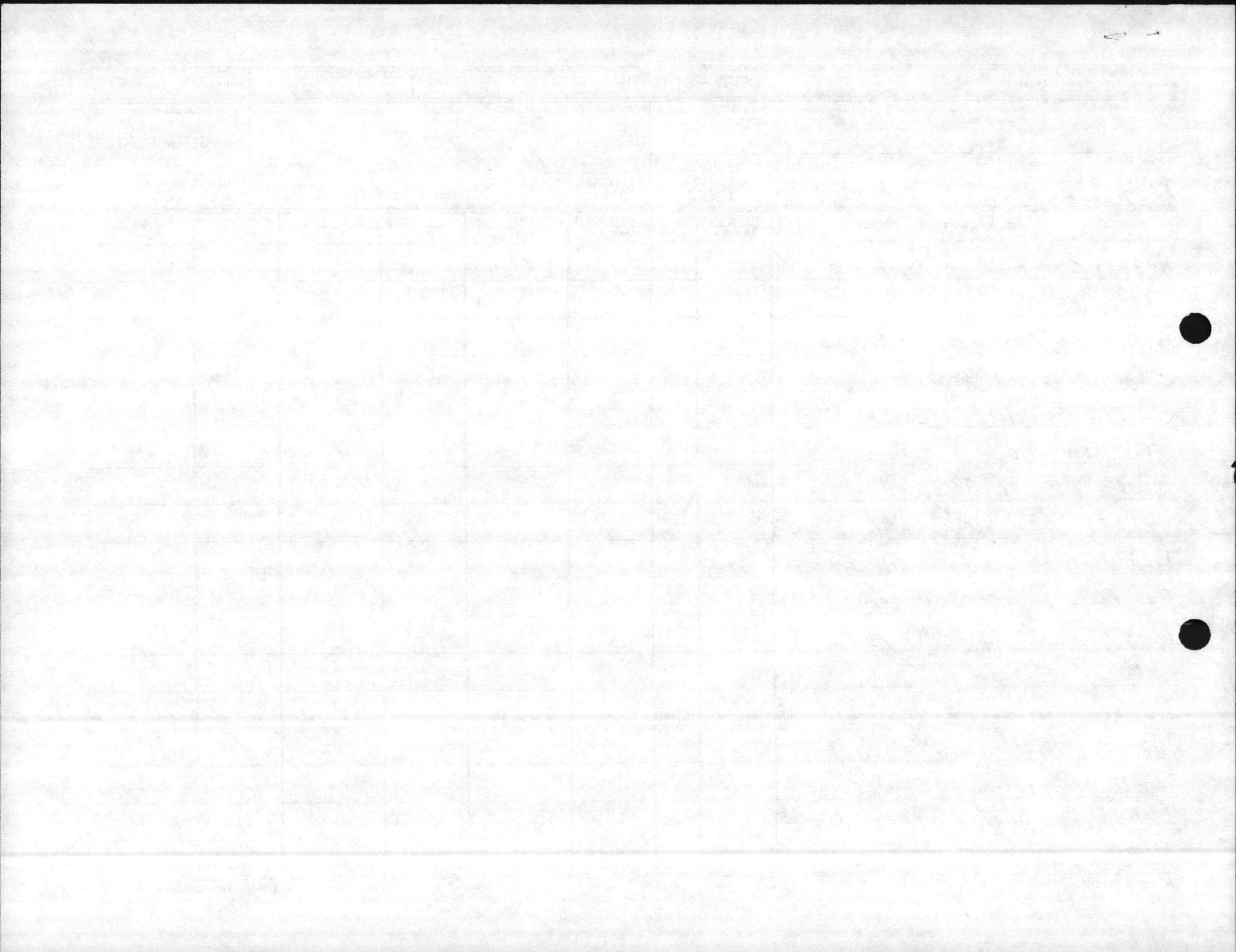
RPR/REN HTC, AC, PLBG, PIPING SYS.

STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify) _____

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REPLACE ALL PLUMBING FIXTURES, VALVES, TRIM WITH STATE OF THE ART INCLUDING COMMODOES, LAVATORIES, URINAL, ELECTRIC WATER COOLER, KITCHEN DOUBLE COMPARTMENT SINK, HOSE BIBBS, SHOWER VALVES (NEW ONES FOR CERAMIC TILE STALLS) (1) FIRE HOSE PIPE CONNECTION IN HIGH BAY (TRUCK STORAGE) AREA. SUMP PUMP IN PIT.	-			2,953		1,650		4,603
REPLACE ALL POTABLE WATER PIPING WITH COPPER AND INSULATE. REPLACE ALL GALVANIZED AND/OR STEEL WASTE PIPING.	-			3,350		7,500		10,850



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PROJECT TITLE

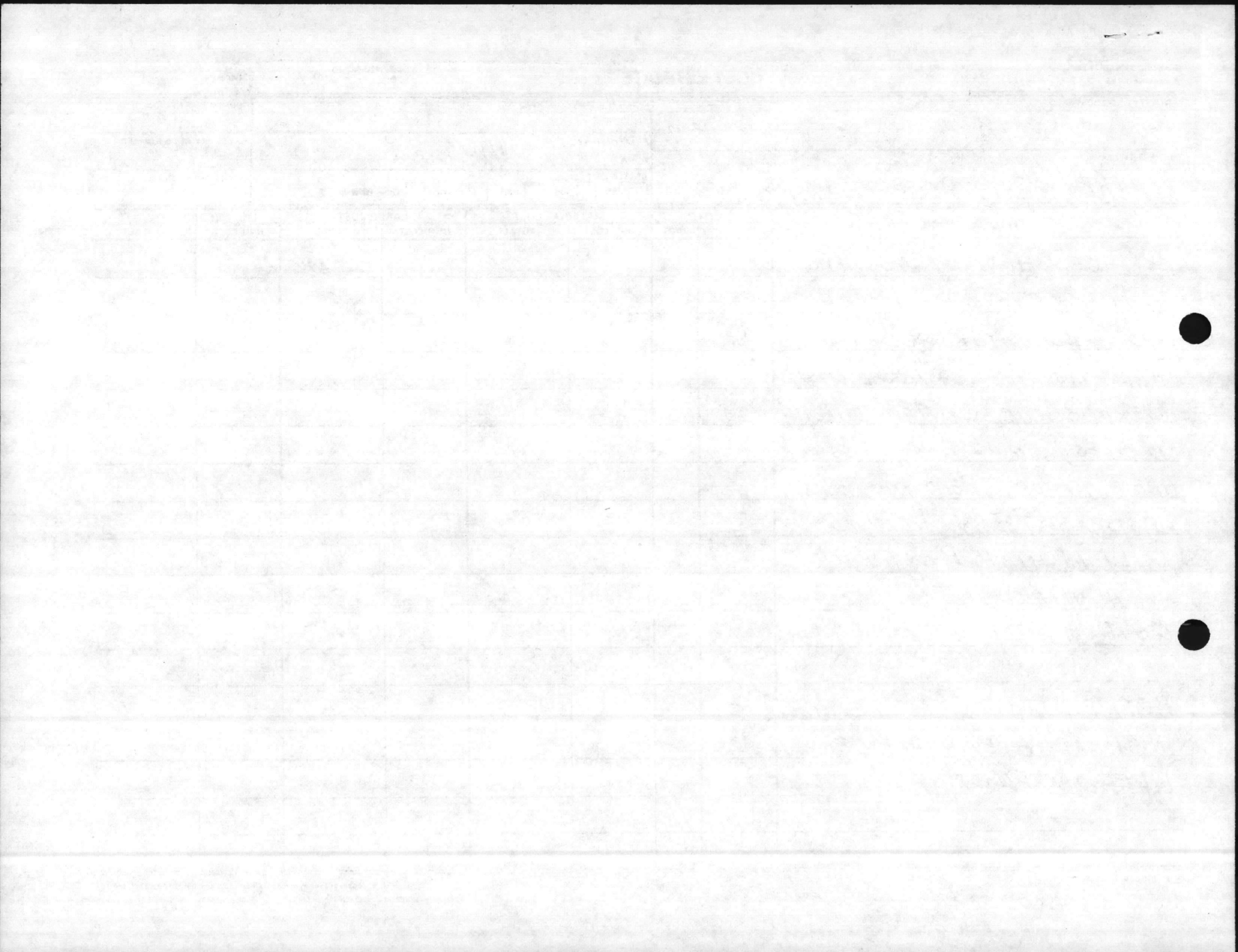
RPR/REN HTC, AC, PLBG, PIPING SYS

STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify)

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REPLACE HEATING AND AIR CONDITION SYSTEM WITH HOT AND CHILL WATER SYSTEM WITH WALL MOUNTED FAN COIL UNITS THERMOSTATIC CONTROLLED IN ALL OFFICES, DINING ROOM, SLEEPING AREA, HEADS. HEATING ONLY IN STORAGE ROOMS. HEATING ONLY IN HIGH BAY TRUCK AREA WITH HOT WATER UNIT HEATERS.	—			15,000		25,000		40,000
REPIPE DRAINS AS REQUIRED — IN HEAD AREAS FOR CERAMIC TILE ON FLOORS AND WALL	—			800		800		1,600



(4)

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ESTIMATED BY

Huffman

CATEGORY CODE NUMBER

PROJECT TITLE

STATUS OF DESIGN

PED 30% 100% FINAL Other (Specify) _____

JOB ORDER NUMBER

RPR/REN HTG, A.C., PLBG, PIPING SYS

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
REPLACE ALL STEAM AND CONDENSATE PIPING, PRV STATION IN PIT AND AS REQUIRED FOR NEW HEATING SYSTEM.				300		500		800
TOTAL				25043		56650		81693

