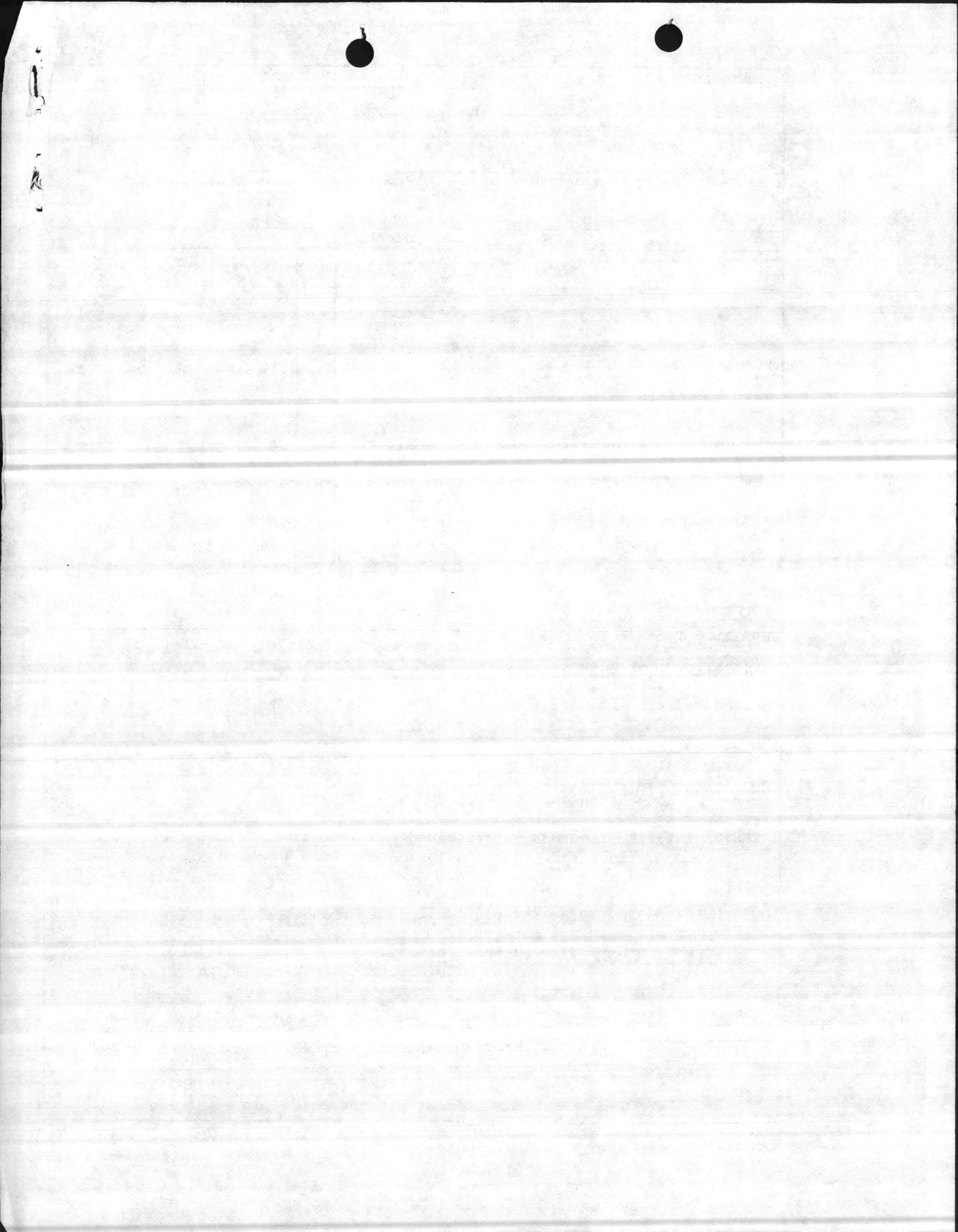


1. COMPONENT		FY 19 <sup>88</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
				7 Nov 86	
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
Marine Corps Base, Camp Lejeune, North Carolina			Repair/Int/Ext Messhalls, 122, 211, 325, 411, 508 and G-640		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
	72210	LE810M	1,869		
<b>9. COST ESTIMATES</b>					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SUBTOTAL		LS	-	-	1,699
Contingency 10%		LS	-	-	<u>170</u>
BASIC CONTRACT COST		LS	-	-	1,869
Design Cost 6%		LS	-	-	<u>112</u>
TOTAL ESTIMATED COST		LS	-	-	1,981
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Repair the interior and exterior of Messhalls. (Structural, Electrical and Mechanical)					
Phases (1) thru (6)					
<u>REQUIREMENTS:</u>					
<u>PROJECT:</u> Repair/Replace interior and exterior. (Structural, Electrical and Mechanical)					
<u>REQUIREMENT:</u> Replace old deteriorated and antiquated walls, doors, windows, floor and trim. Replace electrical and mechanical portions also.					
<u>CURRENT SITUATION:</u> The interior walls, floor and ceiling have deteriorated and damaged from normal wear and tear. The exterior windows and doors are worn, broken and parts are not available. The electrical and mechanical is old and antiquated and needs to be replaced.					
<u>IMPACT IF NOT CORRECTED:</u> If the Messhalls are not repaired as outlined in the enclosed scope of work maintenance cost will continue to soar. Present health hazards will exist. The Electrical and Mechanical Systems do not meet present codes for electrical and Plumbing					



### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

MCB, Camp Lejeune, NC

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

REPAIR / INT / EXT MESSHALLS

STATUS OF DESIGN

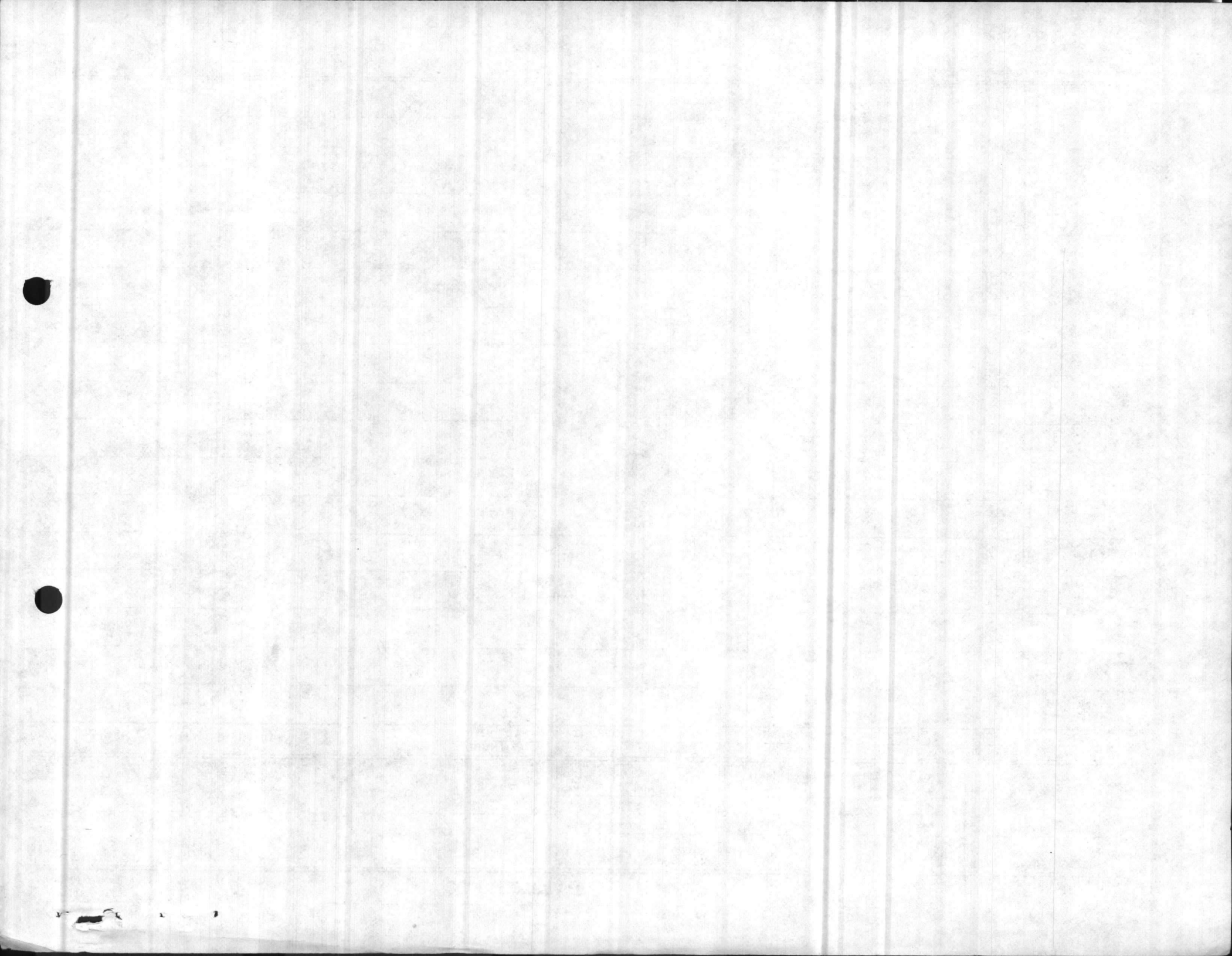
PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
Phase #1 Bldg 508								51,400
Phase #2 Bldg 122								331,100
Phase #3 Bldg 325								259,700
Phase #4 Bldg 211								243,200
Phase #5 Bldg 411								254,700
Phase #6 Bldg G-640								559,000
								<u>1,699,100</u>

1391  
dynamite Caplin

ITAL



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

122 PHASE-2

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

HUFFMAN

CATEGORY CODE NUMBER

PROJECT TITLE

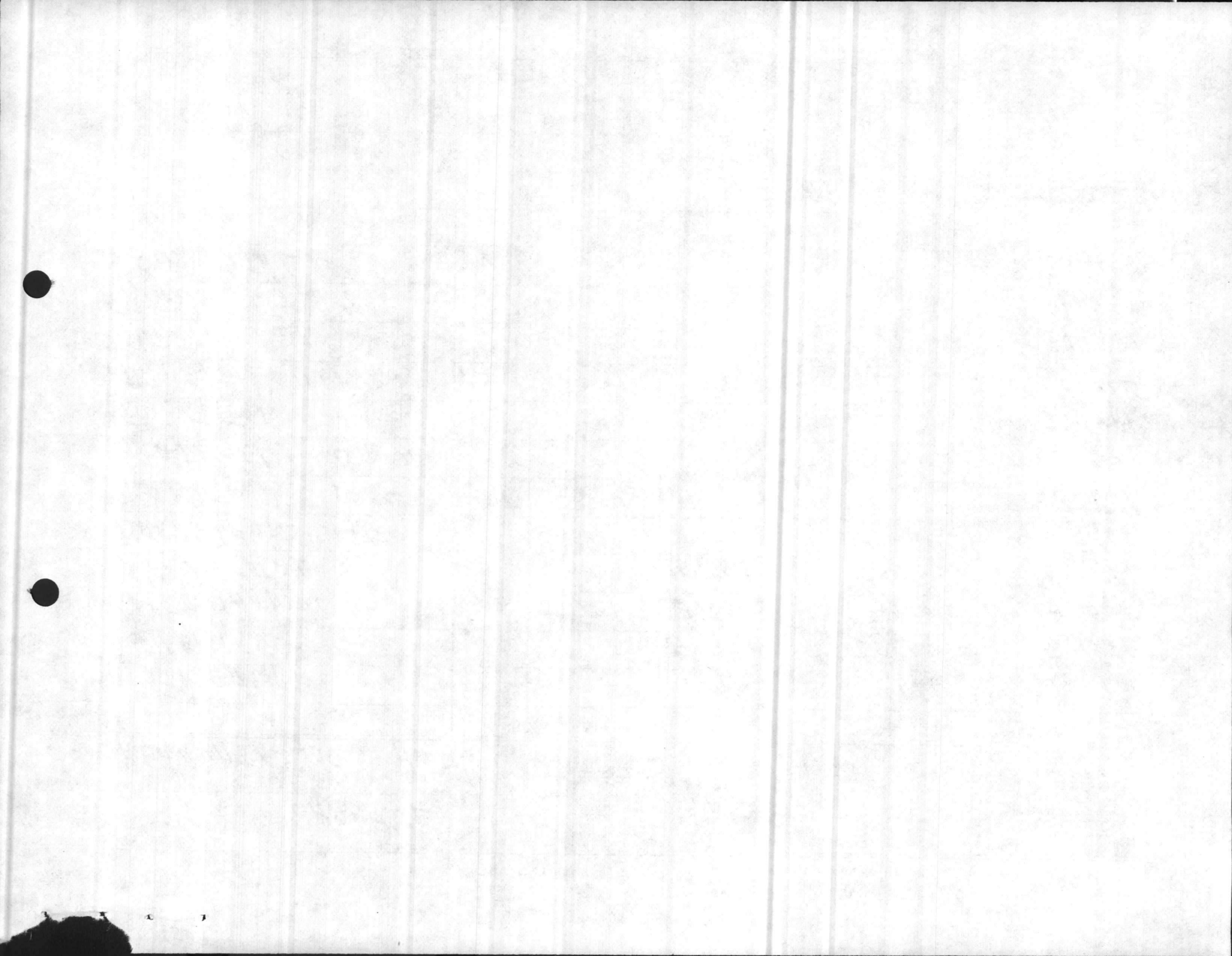
RENOVATE MESS HALL

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
STRUCTURAL				67,495		38,666		106,161
ELECTRIC				55,950		30,300		86,250
MECHANICAL				31,100		16,250		47,350
BASIC TOTAL				154,545		85,216		239,761
OVER HEAD 15%								35,964
LABOR 18%								15,339
MATERIAL 4.5%								6,955
SUB TOTAL								298,019
PROFIT 10%								29,802
SUB TOTAL								327,821
BOND 1%								3,278
SUB TOTAL								331,099
						Rounded		<del>331,099</del> 331,100



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

*BLDG. 127 PHASE # 2.*

ESTIMATED BY

*SAWYER*

CATEGORY CODE NUMBER

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

*RENOVATE MESS HALLS.*

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1 - DEMO & REPL WINDOWS w/ MODERN STATE OF ART THERMOPLANE	140	EA.	130	18200	76	10,640	206	28840
2 - DEMO & REPL DOORS, w/ ANODIZED ALUM. FRAME SAFETY GLASS, SIDE PANELS & TRANSOMS.	4	EA	1190	4760	510	2040	1700	6800
3 - DEMO & RENOVATE HEADS, ADMIN SECT. CERAMIC WALLS, FLOOR, SHOWERS w/ CERAMIC STALLS	200	EA	21.	4200	9.	1800	30.	6000
4 - DEMO & REPL INT. DOORS.	12	EA	175	2100	40.	480.	215.	2580
5 - INSTALL STAINLESS STEEL WALLS, CEILINGS, REPL REEFERS DOORS.	3	EA	2,554	7,662	637.	1,911	3,191	9,573.
6 - DEMO & REPL GRID, VINYL COATED. OVER SERVE LINE, STEEL DIN. AREA.	14,370	SF	.63	9,173	.31	4,514	.94	13,686
7 - REFR SERVING LINE WALLS BY FURRING TO ACCOMMODATE CONDUIT, J BOXES & INSTALL CERAMIC WALL TILE 5'x13"	650	SF	1.45	743.	1.45	943.	2.90	1885
8 - REPL TERRAZO w/ QUARRY TILE SERV. LINE	1510	SF	1.85	2,857	2.50	4,368	4.65	7,254





#4

NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	<b>COST ESTIMATE</b>	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION	CONSTRUCTION CONTRACT NO	IDENTIFICATION NUMBER	
PROJECT TITLE	ESTIMATED BY	CATEGORY CODE NUMBER	
	STATUS OF DESIGN	JOB ORDER NUMBER	
	<input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify)		

BLDG-122 PHASE #2

SAWIERS.

RENOVATE MESS HALLS.

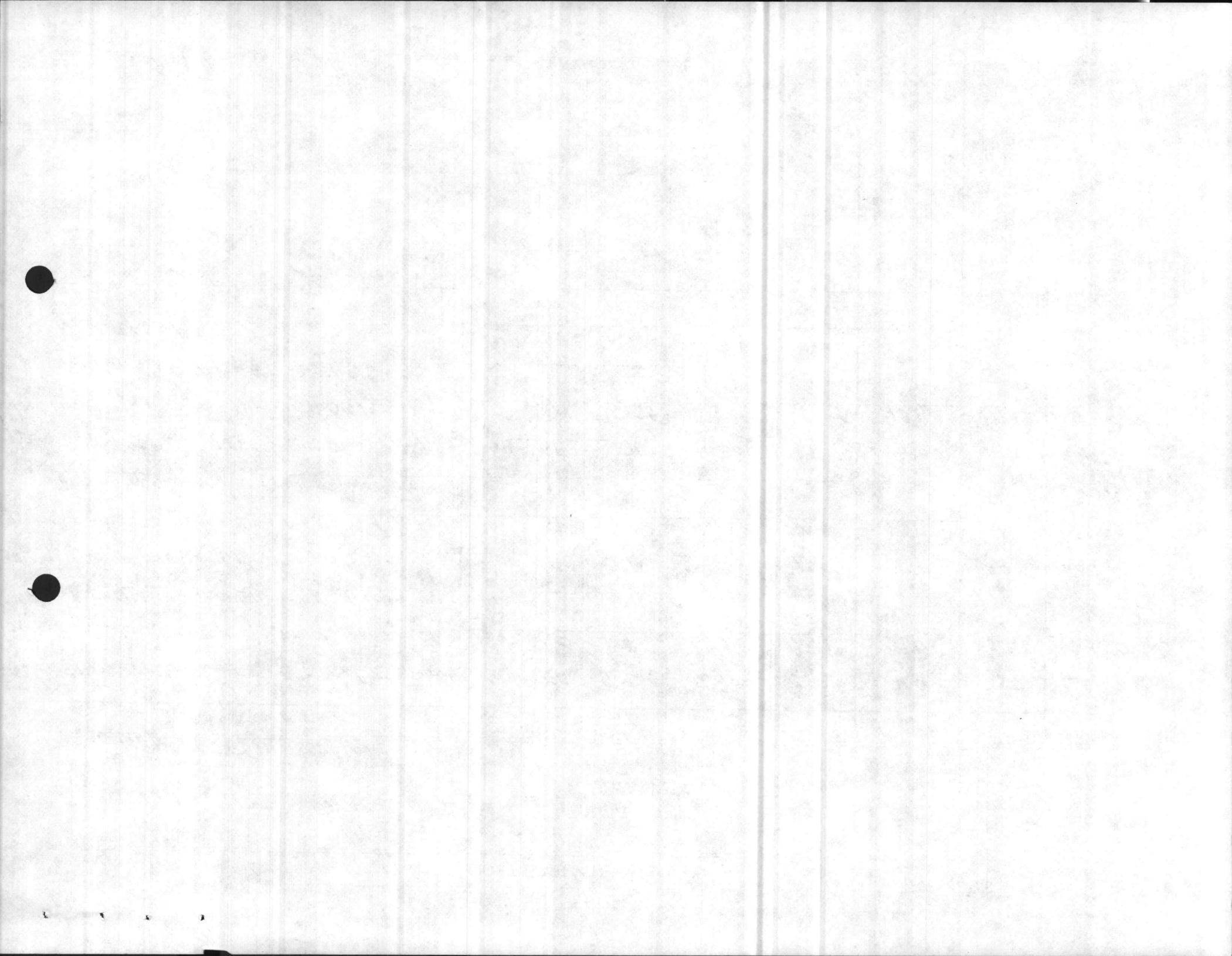
ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
9- REPR PLASTER WALLS, FURR OUT. TO ACCOMODATE CONDUIT & OUTLET BOXES. ● INSTALL FIRE RATED PANELING W/ CHAIR RAIL & VINYL TRAINS COAT TO CEILING.	5,976	SF.	1.20	7,171	.40	2,390	1.60	9,512.
10- INSTALL 8" WOOD BASE DINING (SECT)	690	LF	.60	414.	.25	173.	.85	587
11- DEMO & REPL BUILT UP ROOF W/ PLY RUBBER INSULATE, GRAVEL STOP & GUTTER	5.5	SQ	180.	1,540	120	660.	400.	2,200
12- SUSPEND CEILING. OFFICES.	400	SF	.63	252.	.31	124.	.94	376
13- DEMO & REPL REAR LOAD DOCK CONC. DECK ● COMP W/ LOAD & UNLOAD BUMPERS.	2	EA	150.	300.	100.	200.	250.	500
14- DEMO & REPL CERAMIC TILE HALLS.	600	SF.	1.45	870.	1.45	870	8.90	1,740
15- DEMO & REPL NON FIRE RATED PANELING	2970	SF			.30	891.	.30	891
16- DEMO & REPL. GASKETS, DOORS FROM GALLEY TO DINING AREA	60	LF	3.75	225.	2.00	120.	5.75	345.
17- PAINT INT. AS APPACABLE, EXT WATER BLAST & REFINISH CONC. SURFACE W/ REFINISHER.	4200	SF.	.12	504.	.45	2,016	.60	2,520



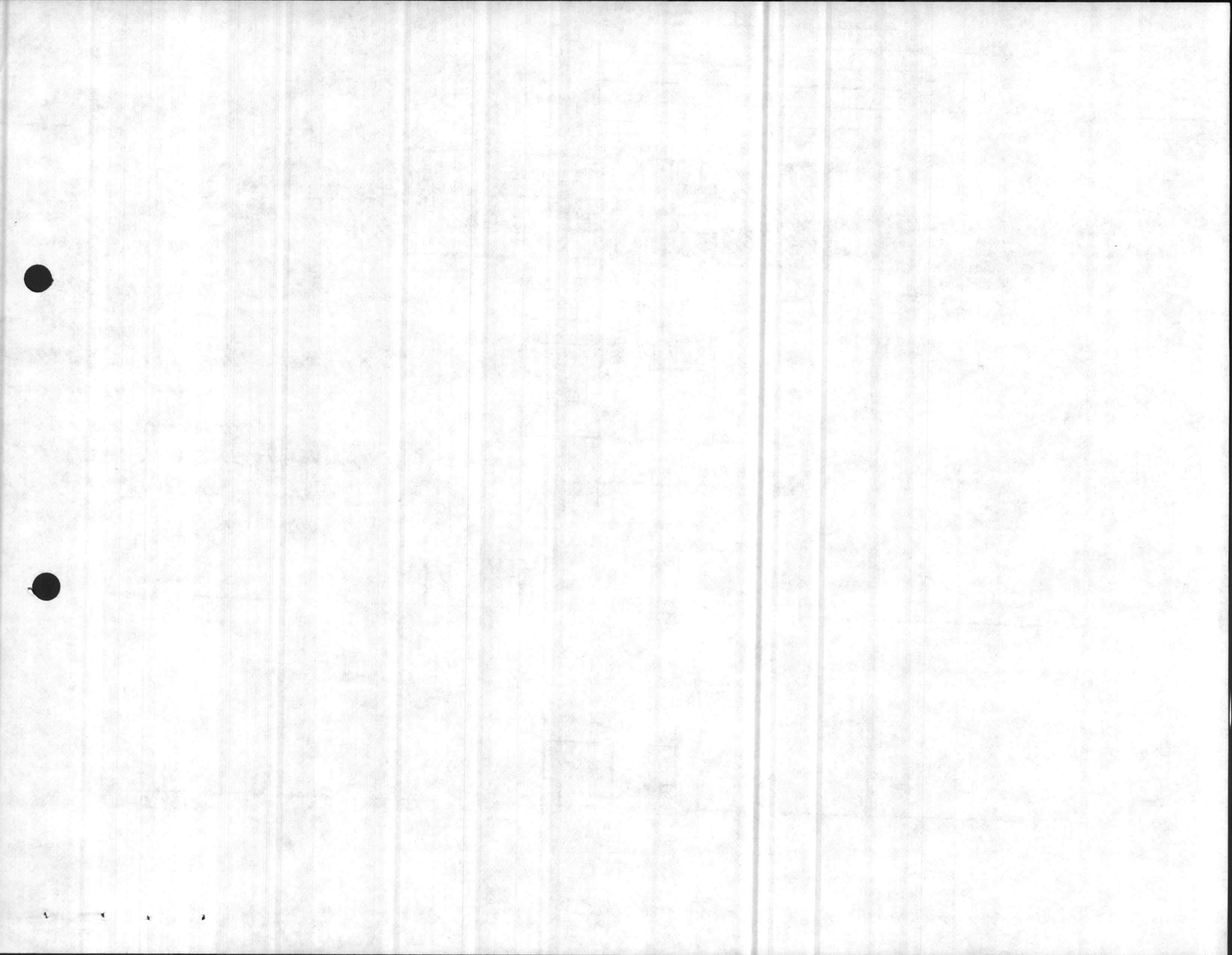
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NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	<b>COST ESTIMATE</b>	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION	CONSTRUCTION CONTRACT NO	IDENTIFICATION NUMBER	
PROJECT TITLE	ESTIMATED BY	CATEGORY CODE NUMBER	
<i>BLDG-122. PHASE 122</i>	<i>SAWYER.</i>		
<i>RENOVATE MESS HALL</i>	STATUS OF DESIGN	JOB ORDER NUMBER	
	<input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify)		

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
18- DEMO. REPL ENTRANCE STOOPS (AS SHOWN)	2	EA.	800.	1600	350	700	1150	2300
19- DEMO & REPL DECK GALLERY & CERAMIC TILE SCULLERY SECTION	1500	SF	1.45	2175	1.45	2175	2.90	4350
20- REPL E&T. DOORS AS NOTED	1	EA	275.	275	150	150	425	425
21- DEMO & ENLARGE ELECT. DIST ROOM AS NOTED.	100	SF	11.50	1,150	4.50	450.	16.	1600
22- REPR FACIA & SOFFIT & INSTALL VINYL	1368	SF.	.76	1040	68	930	144	1970
23- REPR PLASTER THROUGHOUT GALLEY, OFFICES, STORAGE, HEADS AS NECESSARY	10	SY.	5.35	54.	12.05	121	17.40	174
				<i>67,495</i>			<i>38,666</i>	<i>106,161</i>
<i>1- THRU. 23 ITEMS -</i>								







#7

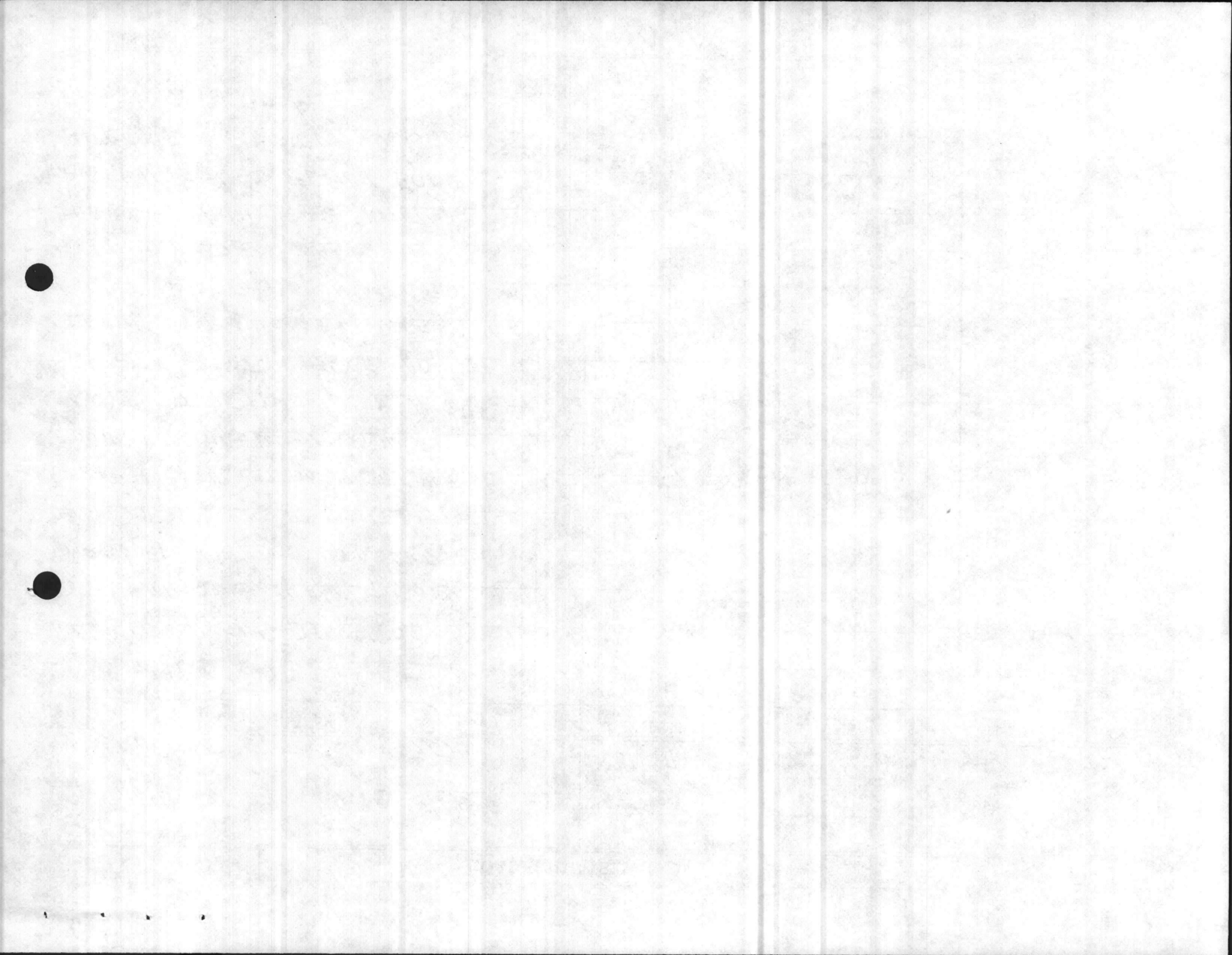
NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	<b>COST ESTIMATE</b>	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION  PROJECT TITLE	CONSTRUCTION CONTRACT NO.  ESTIMATED BY  STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify)	IDENTIFICATION NUMBER  CATEGORY CODE NUMBER  JOB ORDER NUMBER	

BLDG-122 PHASE #2

BLANTON

RENOVATE ELECT. SYSTEM.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
BLDG-122. REMOVE EXISTING-(1) 400A 3φ, (2) 60 AMP 3φ (4) 30 AMP 3φ, (2) 100 AMP 3φ DISCONNECTS, (1) 125A LUGS ONLY 20 CKT, (1) 100 A. 30 CKT PANEL & CONSOLIDATE INTO MAIN SERVICE EQUIP. REPL. & RELOCATE (2) 100A 3φ 24 CKT FUSE PANELS, REMOVE & RELOCATE ELECT PANEL BEHIND SERVING LINE, LOCATE IN NEW ELECT ROOM, TO BE IN LARGED. GROUND & BOND & LABEL ALL SERVICE EQUIP, SUB PANELS, DISCONNECTS & ELECT EQUIP PER NEC. REMOVE OLD BLACK OUT 130φ				6000		3000		9000





#8

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

### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

BLDG-122 PHASE #2

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

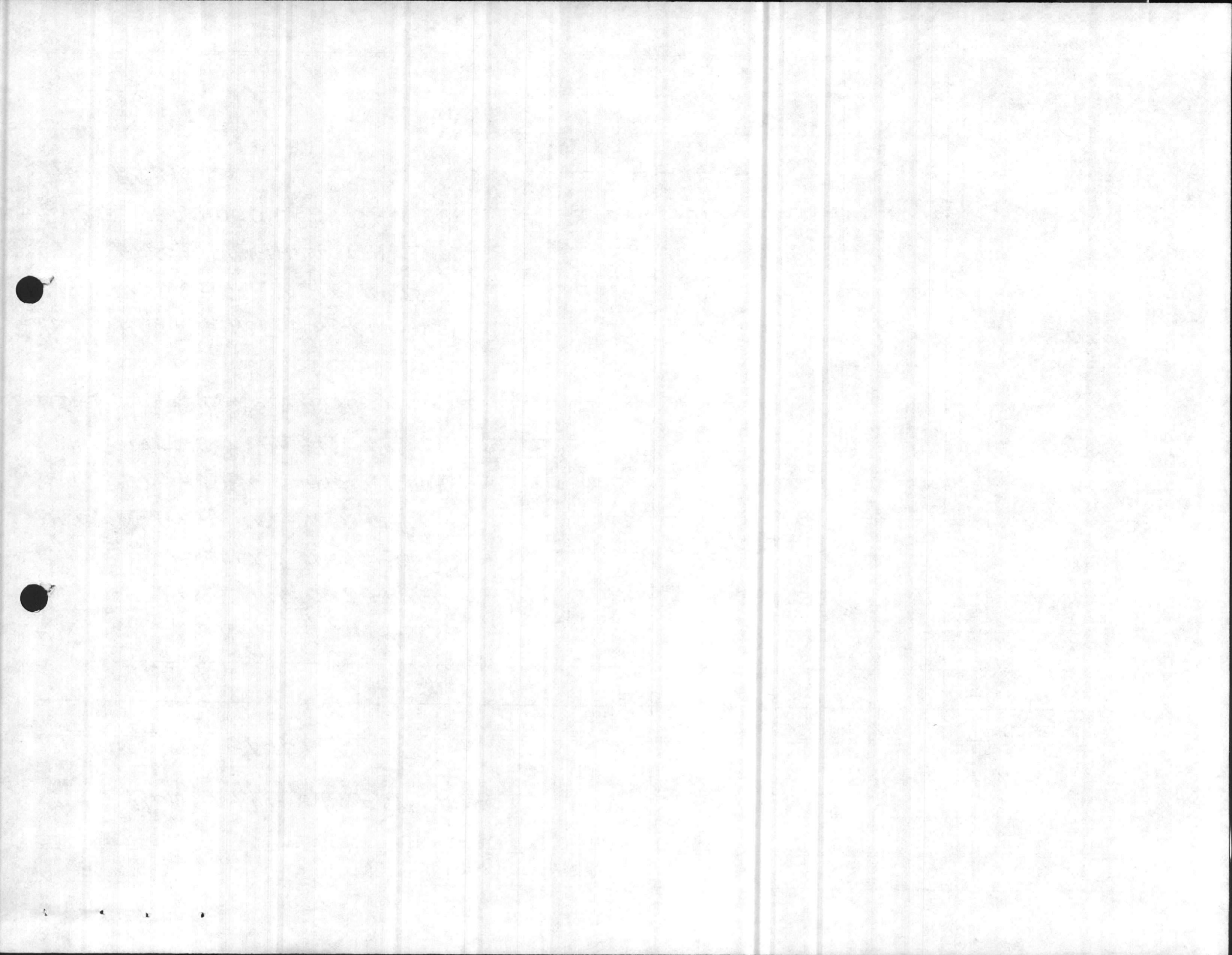
RENOVATE ELECT SYSTEM

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
BLDG. 122.								
REMOVE 400 AMP. 3φ DWAL VOLTAGE FUSE PULL OUT PANEL W/ TRANSFORMERS, LOCATED IN WALL BY PANEL IN BAKE SHOP. REMOVE ALL CONDUIT, WIRE & DISCONNECTS. & PANELS. NOT USED. (EXPOSED & ATTIC)						400		400
REPL ALL (2) WIRE UNGROUNDED LIGHTING, RECEPTACLE CKTS. & ALL ELECT EQUIP. W/(2) WIRE GROUNDED CKTS. GR. ALL EQUIP.				20,000		10,000		30,000



#-9

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

**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

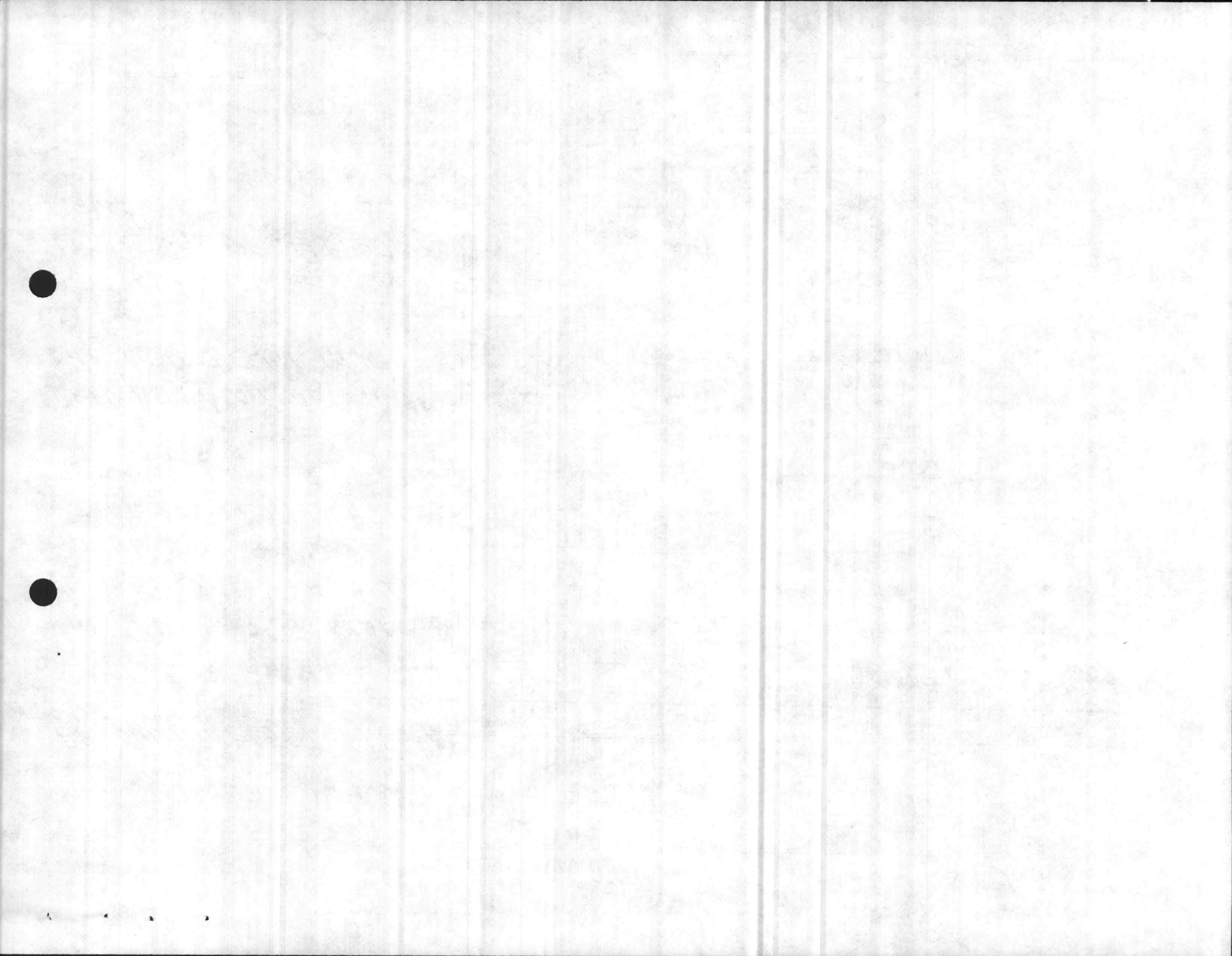
PED  30%  100%  FINAL  Other (Specify)

BLDG-122 PHASE A-2

BLANTON

RENOVATE ELECT SYSTEM

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
CEILING TO BE REPL.				7,150		3500		10,650
REPL ALL 4' X 2' (3) TUBE FLUORESCENT FIXTURE IN DINING ROOM W/ NEW 4' X 2' 4 TUBE LAY IN FLUORESCENT FIXTURE. (REWIRE)								
REPL ALL 8' 2 TUBE STRIPS W/ (2) TUBE FLUOR. W/ LENS.				3000		1200		4200
REPL ALL OUTSIDE INCAND. LIGHTS W/ HPS. W/ PHOTO CELLS.				1860		400		2260



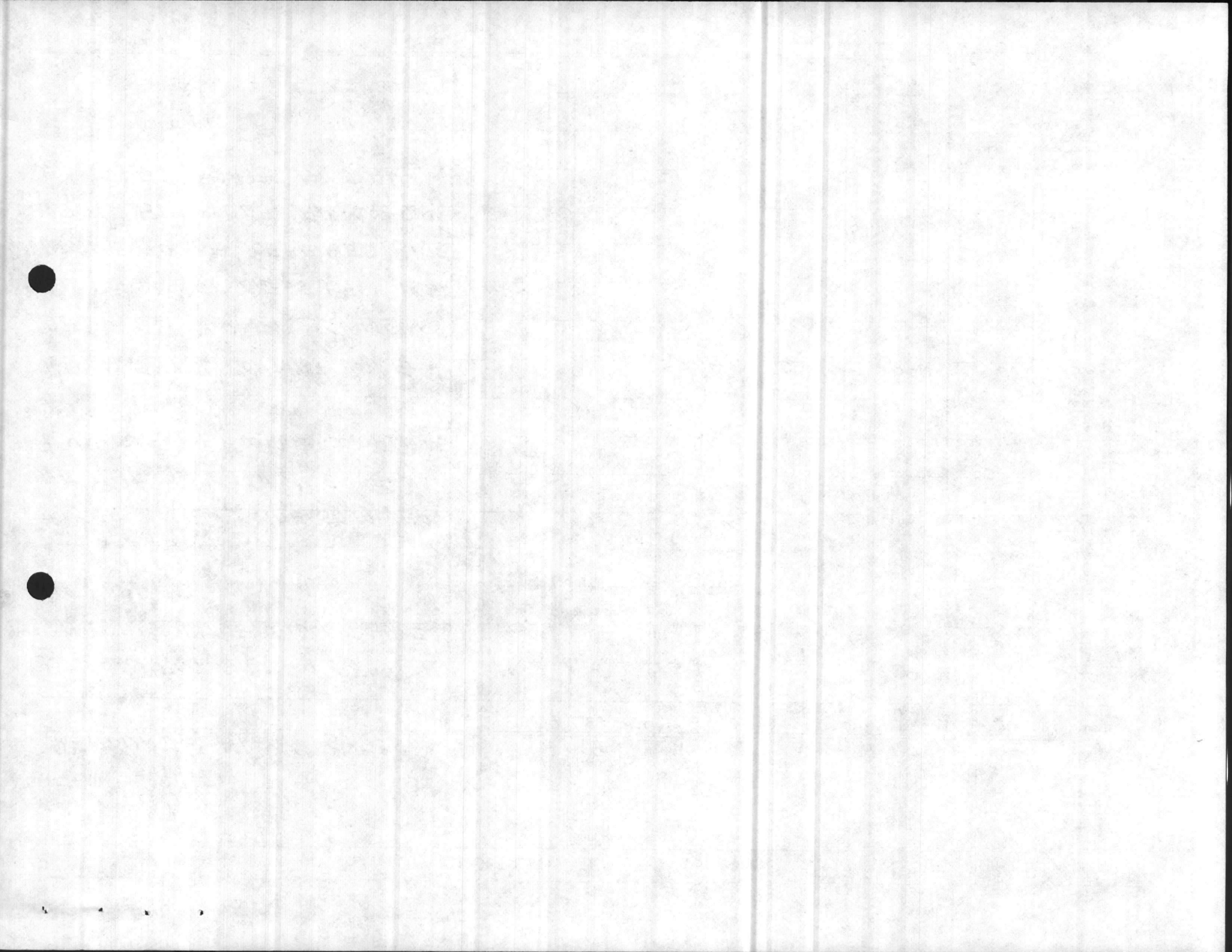
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NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	<h3 style="margin: 0;">COST ESTIMATE</h3>	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION  PROJECT TITLE	CONSTRUCTION CONTRACT NO  ESTIMATED BY  STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Spec./s)		IDENTIFICATION NUMBER  CATEGORY CODE NUMBER  JOB ORDER NUMBER

BLDG - # 122. PHASE #2

RENOVATE ELECT SYSTEM.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
DISCONNECT & RECONNECT SERVING LINE, FLOOR TO BE REPLACED.				200		400		600
INSTALL NEW LINE STARTERS ON AHU IN ATTIC & EX FANS. ON ROOF & REWIRE COMPLETE				2500		1200		3700
REMOVE ALL CONDUIT, WIRE J. BOXES, OUTLETS & SWITCHES ON WALLS ON MESS DECK AREA, WALLS TO BE REPAIRED. REIN- STALL RECESSED ALL CONDUIT & OUTLET BOXES IN WALL				1500		2000		3500



#11

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

**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

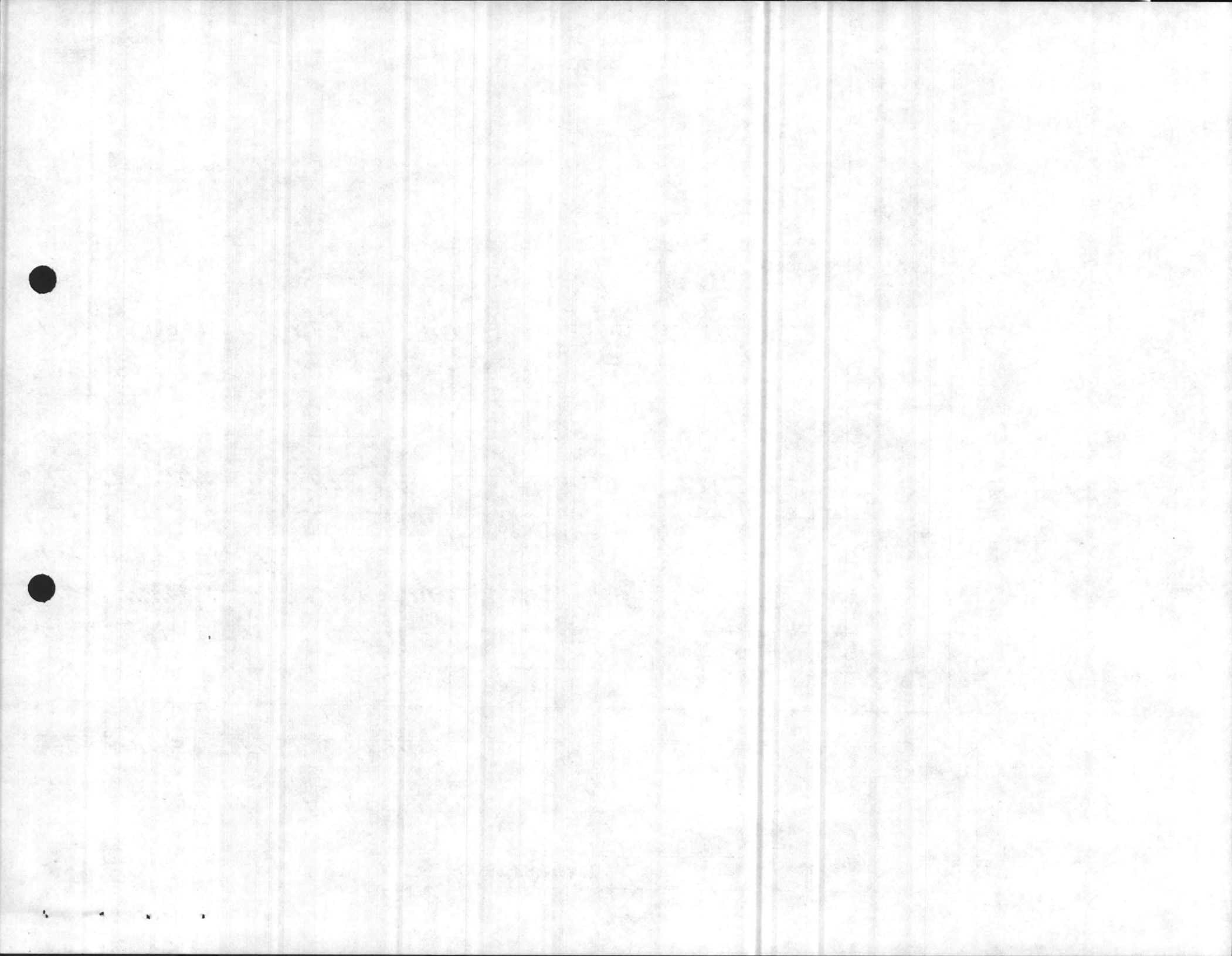
*BLDG. 122. PHASE #2*

*BLANTON*

*RENOVATE ELECT. SYSTEM.*

PED  30%  100%  FINAL  Other (Specify)

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<i>CEILING IN REAR OFFICE AREAS TO BE REPLACED, INSTALL NEW FLUOR LIGHTS COMPATIBLE W/ NEW CEILING.</i>				<i>600</i>		<i>300</i>		<i>900</i>
<i>INSTALL EMERG LIGHTS AS REQUIRED.</i>		<i>1</i>		<i>1200</i>		<i>600</i>		<i>1800</i>
<i>REMOVE &amp; REINSTALL FLY FANS, DOORS TO BE REPLACED.</i>				<i>400</i>		<i>600</i>		<i>1000</i>





#12.

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

### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

*BLDG- #122 PHASE #2*  
*RENOVATE ELECT SYSTEM.*

QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL

*REPAIR ALL DAMAGE TO  
BLDG CAUSED BY RENOVATION*

*500*      *1000*      *1500*

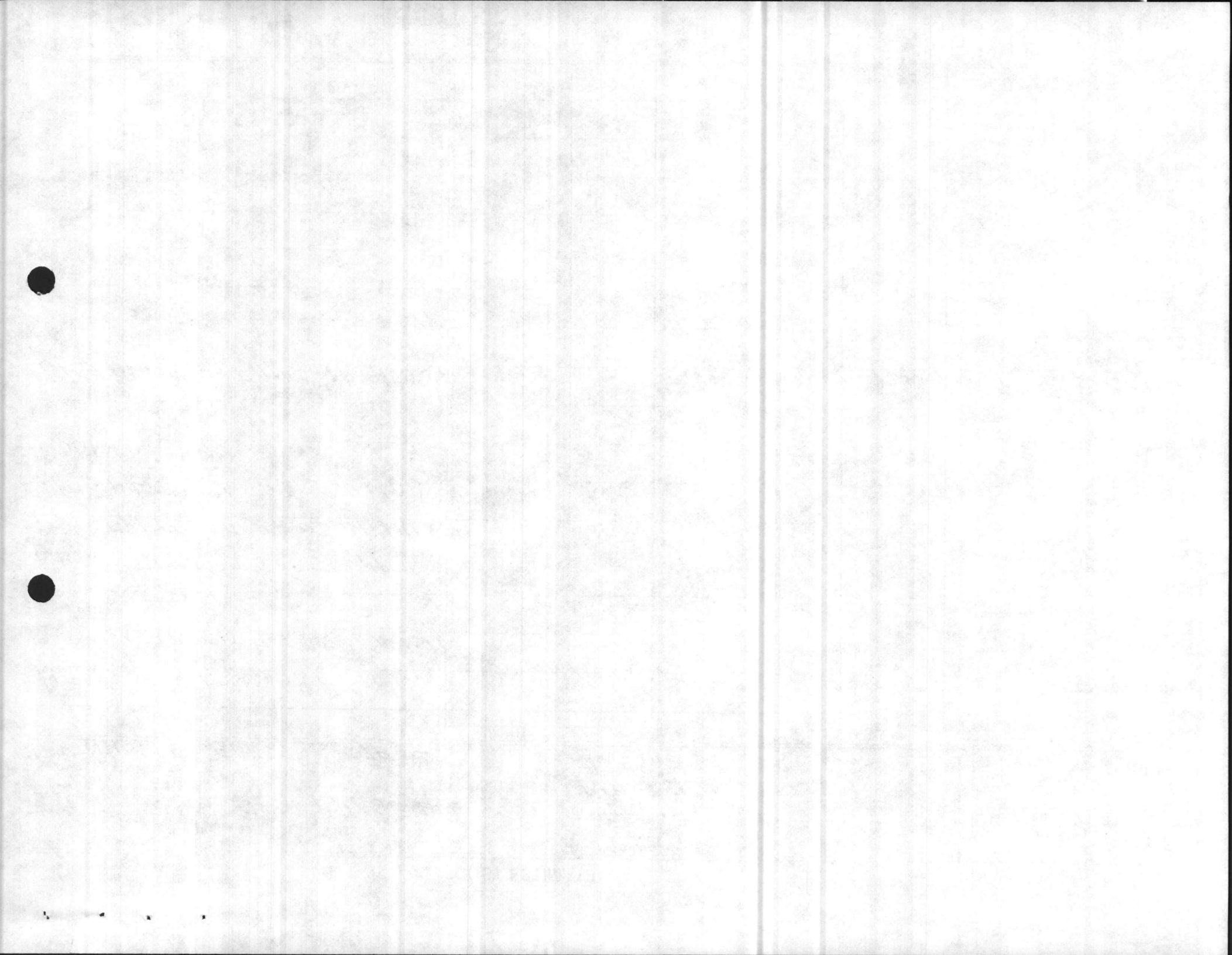
*REPL ALL 4' 2 TUBE VAPOR  
PROOF FLUORESCENT FIXTURES  
IN GALLEY AREA & SCULLERY  
ROOM*

*9500*      *4500*      *14,000*

*INSTALL EX FANS. IN HEADS  
(4) EA.*

*1600*      *1200*      *2800*

*53,950*      *30,300*      *86,250*



#13.

NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	COST ESTIMATE	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION	CONSTRUCTION CONTRACT NO	IDENTIFICATION NUMBER	
PROJECT TITLE	ESTIMATED BY	CATEGORY CODE NUMBER	
STATUS OF DESIGN	JOB ORDER NUMBER		
<input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify) _____			

BLDG-122 PHASE #2.  
RENOVATE MESS HALL.

ESTIMATED BY  
**HUFFMAN**

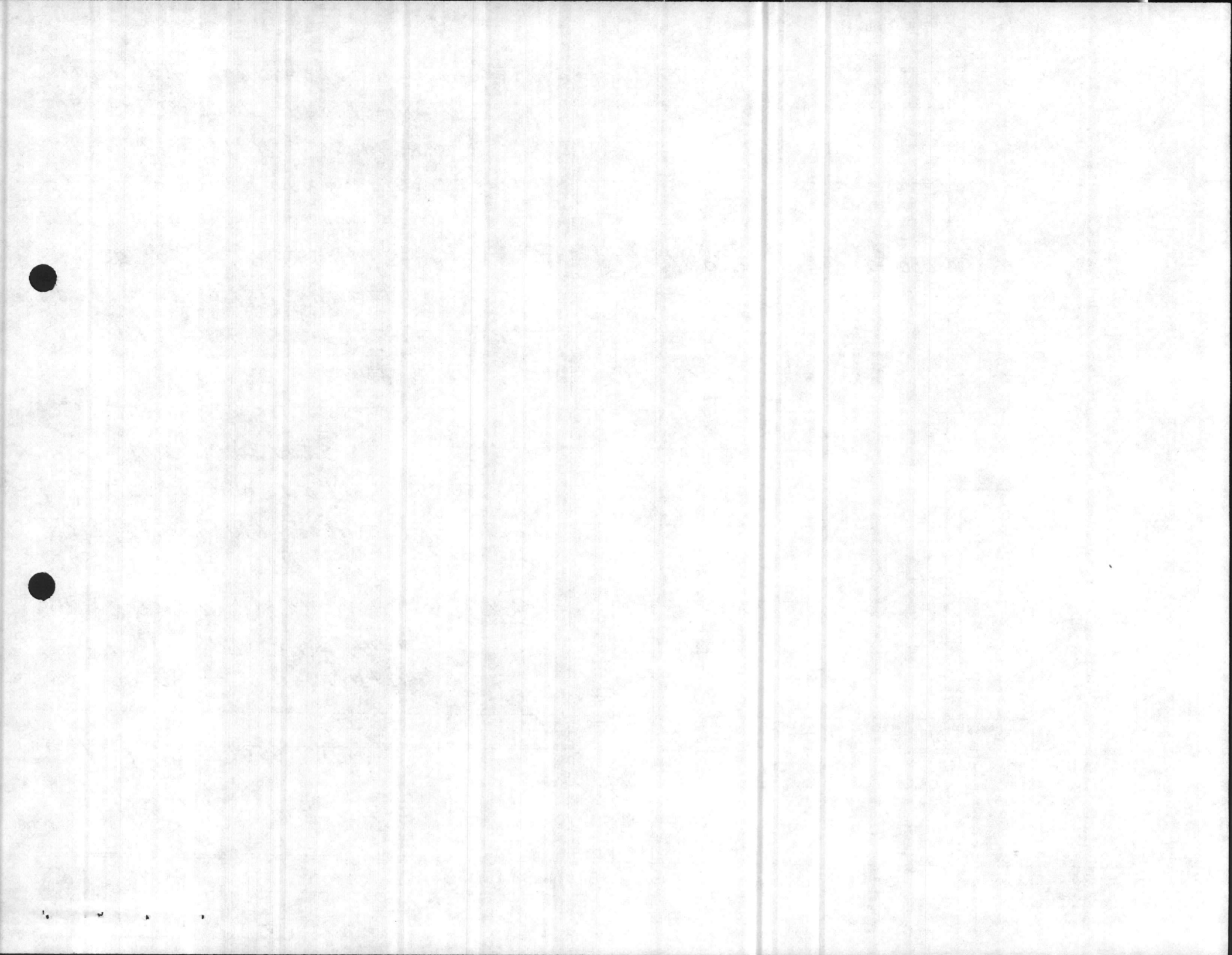
ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
IN SCULLERY ROOM DISCONNECT & RECONNECT FOR TILE RE- PLACEMENT. ALL WATER, STEAM CONDENSATE, DRAINS, EXHAUST DUCKS TO SCULLERY EQUIP, IN SERVING LINE AREA (CALL SERVING LINES.) DISCONNECT & RECONNECT FOR FLOOR & WALL TILE REPLACEMENT. AND/OR INSTALATION ALL WATER, STEAM, CONDENSATE, DRAINS, DUCK WORK, ANSUL FIRE LINES. EXTEND ALL PIPING AS REQUIRED. THROUGH BLDG. FOR EQUIP. CONNECTIONS AND/OR WALL REPAIRS, EXTENSION OR FURRED.						500		500
						1200		1200



# 14

NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A	<b>COST ESTIMATE</b>	DATE PREPARED	SHEET OF
ACTIVITY AND LOCATION	CONSTRUCTION CONTRACT NO.	IDENTIFICATION NUMBER	
PROJECT TITLE	ESTIMATED BY <b>HUFFMAN</b>	CATEGORY CODE NUMBER	
<b>BLDG. 122 PHASE # 2.</b>	STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> Other (Specify)	JOB ORDER NUMBER	
<b>RENOVATE MESS HALL</b>			

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
- IN HEAD ON MESS DECK EXTEND HTG & A/C SUPPLY & RETURN AIR DUCKS & GRILLS FROM EXIST. SYSTEM				400		800		1200
- MESS DECK AREA REPL. ALL SUPPLY & RETURN HTG & A/C CEILING GRILLS ON ROOF				4000		700		4700
- REPL ALL EX FANS OVER GALLEY & SERVING LINES.				9500		2,000		11,500
- SCULLERY ROOF REPL. EXHAUST FAN OVER DISH WASHER & IN- CREASE SIZE & VOLUME				1600		500		2100
- IN OFFICE, VEG. PREP, HEADS, MEAT PREP. AREAS REMOVE EXISTING RADIATORS & WINDOW A/C UNITS, INSTALL CENTRAL HVAC SYSTEM IN SAME AREA, TO IN- CLUDE AIR HANDLER, A.C.				12,000		6,000		18,000



# 15

ACTIVITY AND LOCATION: BLDG. 122. PHASE #2

CONSTRUCTION CONTRACT NO: \_\_\_\_\_

ESTIMATED BY: HUFFMAN

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

IDENTIFICATION NUMBER: \_\_\_\_\_

CATEGORY CODE NUMBER: \_\_\_\_\_

JOB ORDER NUMBER: \_\_\_\_\_

RENOVATE MESS HALLS.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<u>CONDENSER COMPRESSOR, STEAM HEATING COILS INSTALL</u>								
<u>W/ WALK, PIPING, CONTROLS, WIRE, ECT.</u>								
<u>IN (3) OLD WALK IN COOLERS.</u>						1200		1200
<u>REMOVE, REHANG, RECONNECT EVAPORATOR FAN COIL UNITS FOR WALL &amp; CEILING REPAIR</u>								
<u>REPL EXT. AC DUCT, INSULATION W/ WATER TIGHT INSULATION</u>				850		1550		2,400
<u>(3) UNITS, &amp; INSULATE CEILING ABOVE NEW A/C AREAS.</u>								





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

211 PHASE-4

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

HUFFMAN

CATEGORY CODE NUMBER

PROJECT TITLE

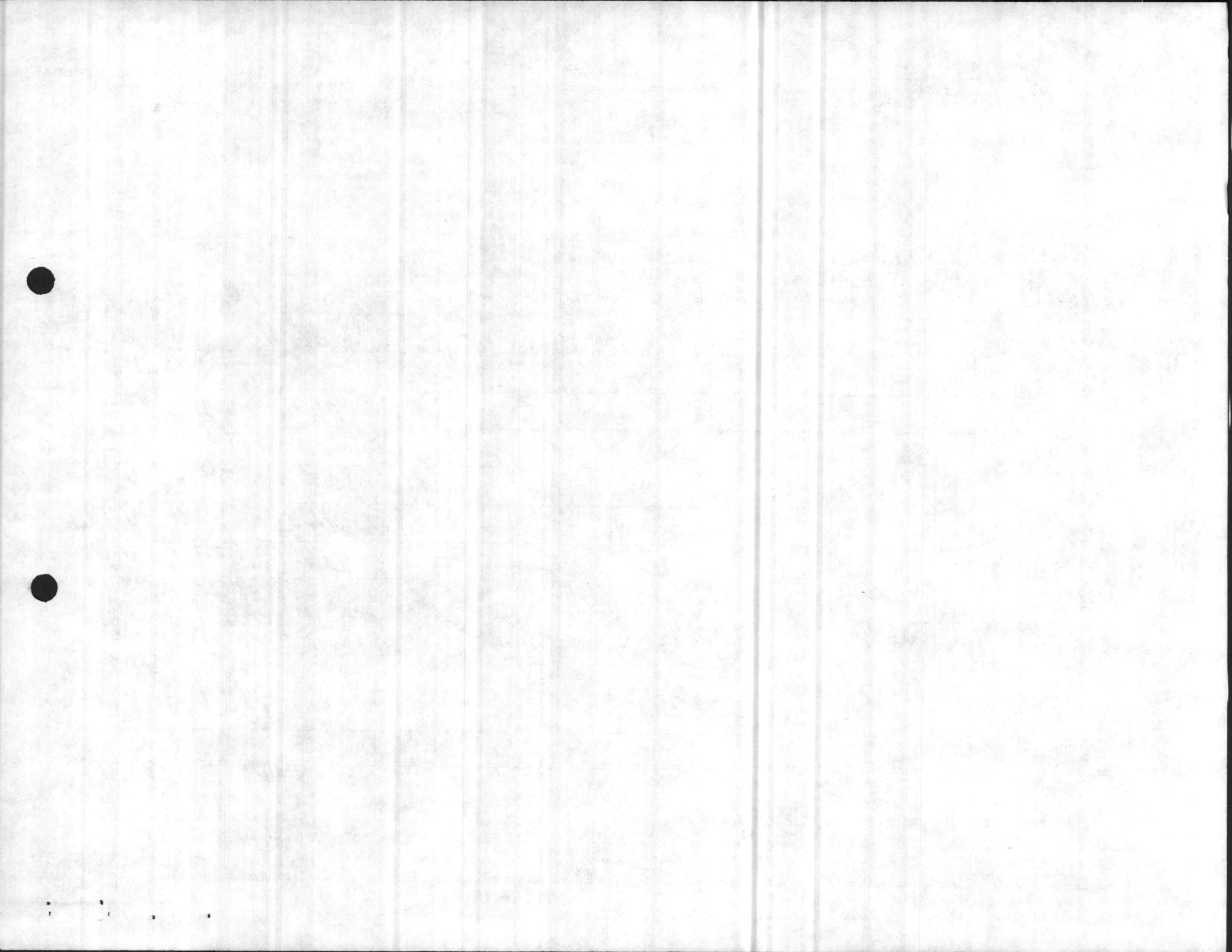
RENOVATE MESS HALLS

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
STRUCTURAL				56,063		35,035		91,095
ELECTRIC				23,550		13,800		37,350
MECHANICAL				31,100		16,250		47,350
● BASIC TOTAL				110,713		65,085		175,795
OVER HEAD 15%								26,369
LABOR 18%								11,715
MATERIAL 4.5%								4,982
SUB TOTAL								218,861
PROFIT 10%								21,886
SUBTOTAL								240,747
BOND 1%								2,407
● SUB TOTAL								243,154
								Rounded 243,200.



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

211 PHASE - 4

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

SAWYER

CATEGORY CODE NUMBER

PROJECT TITLE

RENOVATE MESS HALLS

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
DEMO AND REPLACE WINDOWS WITH STATE OF THE ART THERMOPANE	140	EA	130	18,200	76	10,640	206	28,840
DEMO AND REPLACE DOORS, WITH ALUM FRAME, SAFETY GLASS, SIDE PANELS, AND TRANSOMS.	4	EA	1190	4,760	510	2,040	1,700	6,800
DEMO AND RENOVATE HEADS, ADMIN. SECT. INCLUDE CERAMIC WALLS, FLOORS, SHOWERS.	200	SF	21	4200	9	1800	30	6000
DEMO AND REPLACE INTERIOR DOORS	2	EA	175	350	40	80	215	430
DEMO AND REPLACE GRID, VINYL PAT, OVER SERVING LINES, REMAINDER STEEL DINING AREA.	14560	SF	.63	9,123	.31	4514	.94	13,686
REPAIR WALL AT SERVING LINE BY FURRING TO ACCOMADATE CONDUIT AND JUNCTION BOXES. INSTALL CERAMIC WALL TILE 5'X130'	650	SF	1.45	943	1.45	943	2.90	1,885



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

211 PHASE-4

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

SAWYER

CATEGORY CODE NUMBER

PROJECT TITLE

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
DEMO TERRAZO ON SERVING LINES AND REPLACE WITH QUARRY TILE 12' X 130'	1560	SF	1.85	2887	2.80	4368	4.65	7254
REPAIR PLASTER WALLS BY FURRING OUT, INSTALL FIRE RATED PANELING WITH CHAIR RAIL AND VINYL WAINS COAT TO CIELINGS, TO ACCOMMODATE CONDUIT AND OUTLET BOXES (DINING)	5976	SF	1.20	7171	.40	2390	1.60	9562
INSTALL 8" WOOD BASE (DINING SECT)	690	LF	.60	414	.25	173	.85	587
DEMO AND REPLACE BUILT UP ROOF WITH 1 PLY RUBBER INSULATE, GRAVEL STOP AND GUTTER.	5.5	SQ	280	1540	120	660	400	2200
SUSPEND CIELINGS OFFICES	400	SF	.63	252	.31	124	.94	376
DEMO AND REPLACE REAR LOAD DOCK CONCRETE DECK COMP. WITH LOAD UNLOAD BUMPERS.	2	EA	150	300	100	200	250	500



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

211 PHASE-4

ESTIMATED BY

SAWYER

CATEGORY CODE NUMBER

PROJECT TITLE

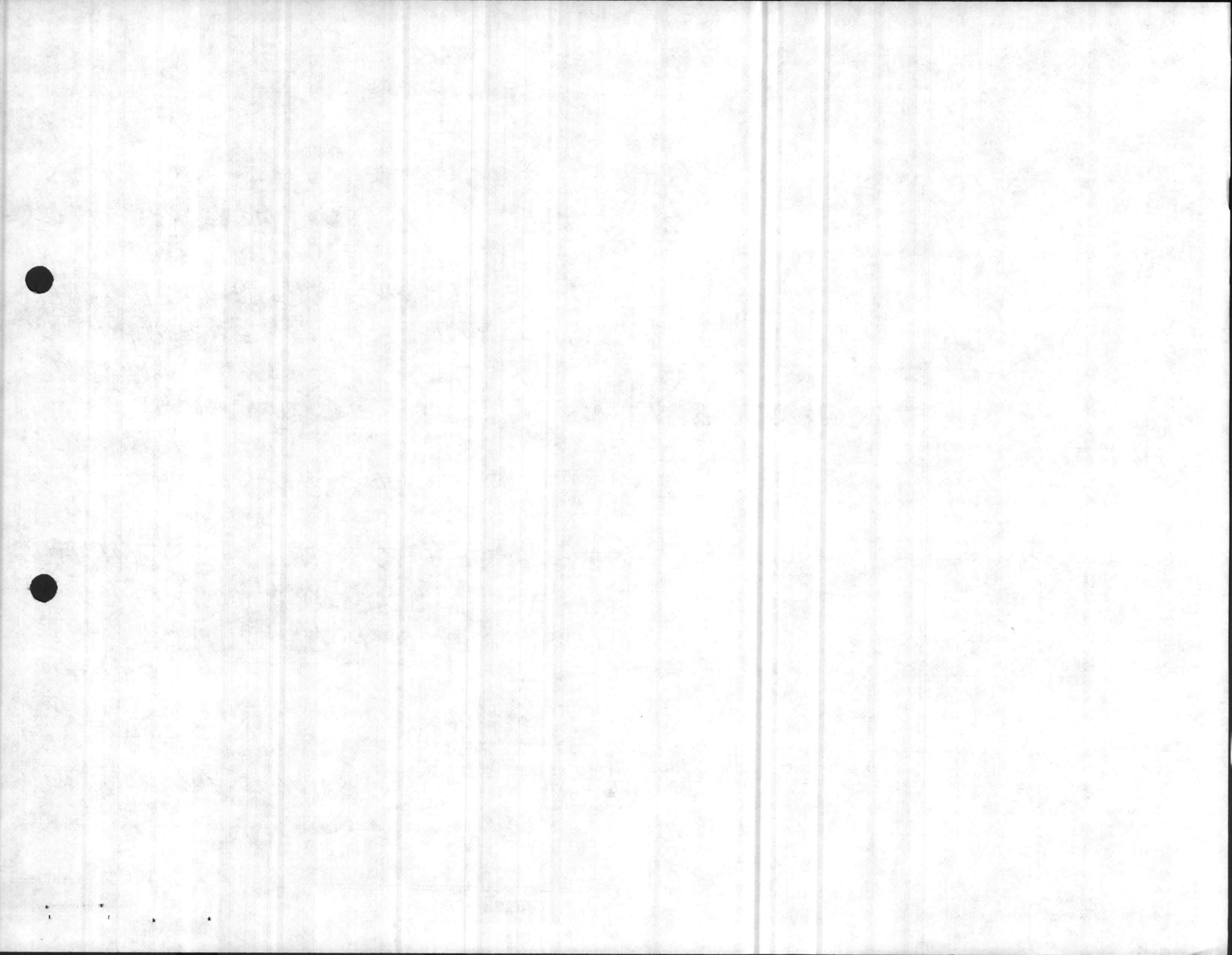
RENOVATE MESS HALLS

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
DEMO NON FIRE RATED PANELING AND REPLACE	2970	SF			.30	891	.30	891
DEMO AND REPLACE GASKETS, DOORS FROM GALLEY TO DINING AREA.	60	LF	3.75	225	2.00	120	5.75	345
PAINT INTERIOR AS APPACABLE, EXTERIOR WATER BLAST AND REFINISH CONCRETE SURFACES WITH REFINISHER (NO PAINT)	4200	SF	.12	504	.48	2,016	60	2,520
DEMO AND REPLACE ENTRANCE STOODS (AS SHOWN)	2	EA	800	1,600	350	700	1150	2,300
DEMO AND REPLACE CERAMIC WALL AND QUARRY TILE FLOOR IN SCULLERY SECTION.	1500	SF	1.45	2,175	1.45	2,175	2.90	4,350
REPLACE EXTERIOR DOORS AS NOTED.	1	EA	275	275	150	150	425	425





# COST ESTIMATE

DATE PREPARED: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_

ACTIVITY AND LOCATION:  
**211 PHASE - 4**

PROJECT TITLE:  
**RENOVATE MESS HALL**

CONSTRUCTION CONTRACT NO. \_\_\_\_\_

ESTIMATED BY: **SAWYER**

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

IDENTIFICATION NUMBER \_\_\_\_\_

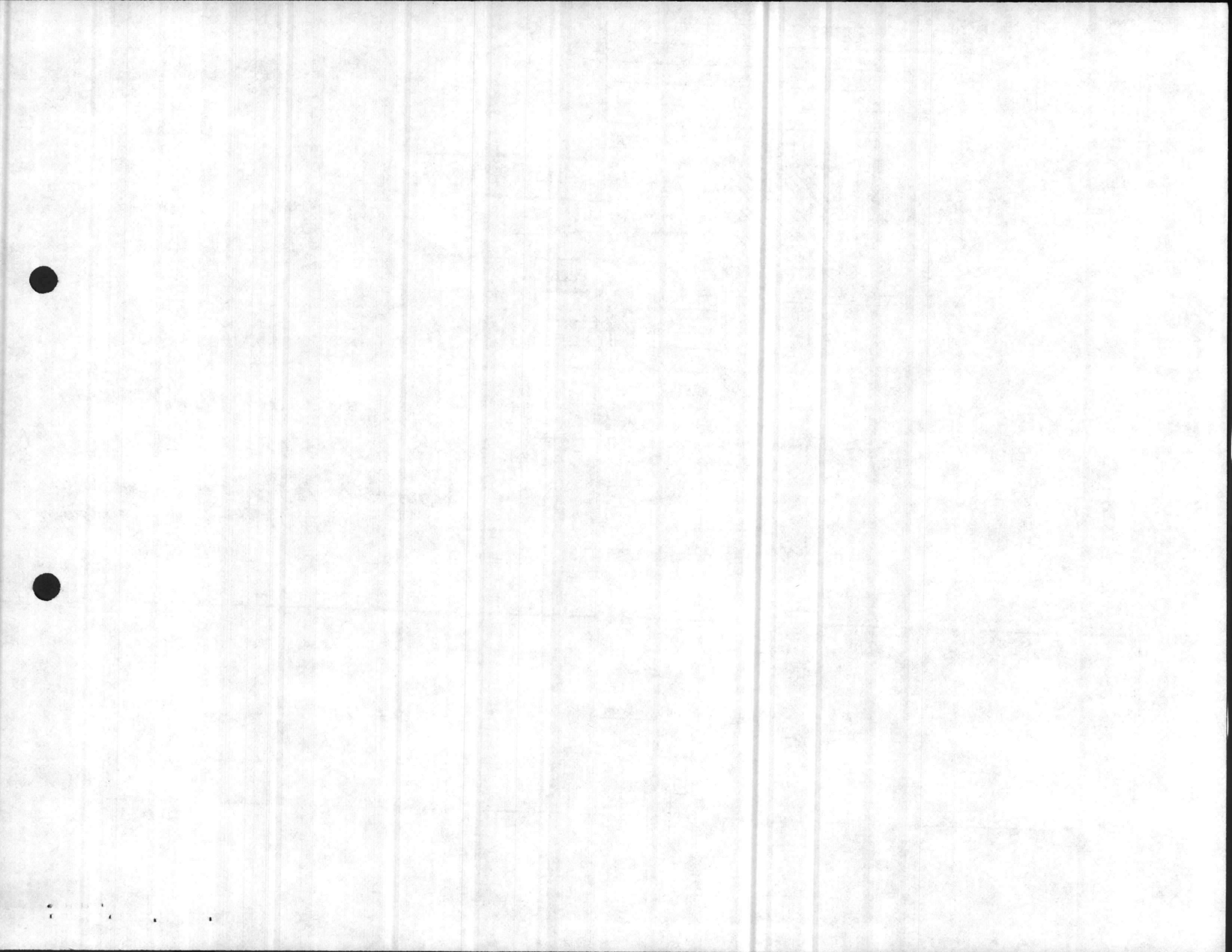
CATEGORY CODE NUMBER \_\_\_\_\_

JOB ORDER NUMBER \_\_\_\_\_

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<b>PREP FACIA AND SOFFIT AND INSTALL VINYL.</b>	1368	SF	.76	1040	.68	930	1.44	1970
<b>REPAIR PLASTER THROUGHOUT COLLEY, OFFICES, STORAGES HEADS AS NECESSARY.</b>	10	BY	5.35	54	12.05	121	1740	174
<b>BASIC TOTAL</b>				<b>56063</b>		<b>35035</b>		<b>91095</b>







**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

211 PHASE - 4

ESTIMATED BY

BLANTON

CATEGORY CODE NUMBER

PROJECT TITLE

ELECT.  
 RENOVATE MESS HALLS

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 4' (2) TUBE VAPOR PROOF FLUORESCENT FIXTURES IN GALLEY AREA AND SCULLERY ROOM.				9,500		3,500		13,000
REPLACE ALL 4' X 2' (3) TUBE LAY IN FLUORSCENT FIXTURES WITH NEW 4' X 2' (4) TUBE FLUORSCENT FIXTURES				7,150		4,000		11,150
CEILING TO BE REPLACED IN OFFICE AREA, REPLACE LIGHTS TO BE COMPATIBLE WITH NEW CEILING.				800		400		1,200



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

211 PHASE-4

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

BLANTON

CATEGORY CODE NUMBER

PROJECT TITLE

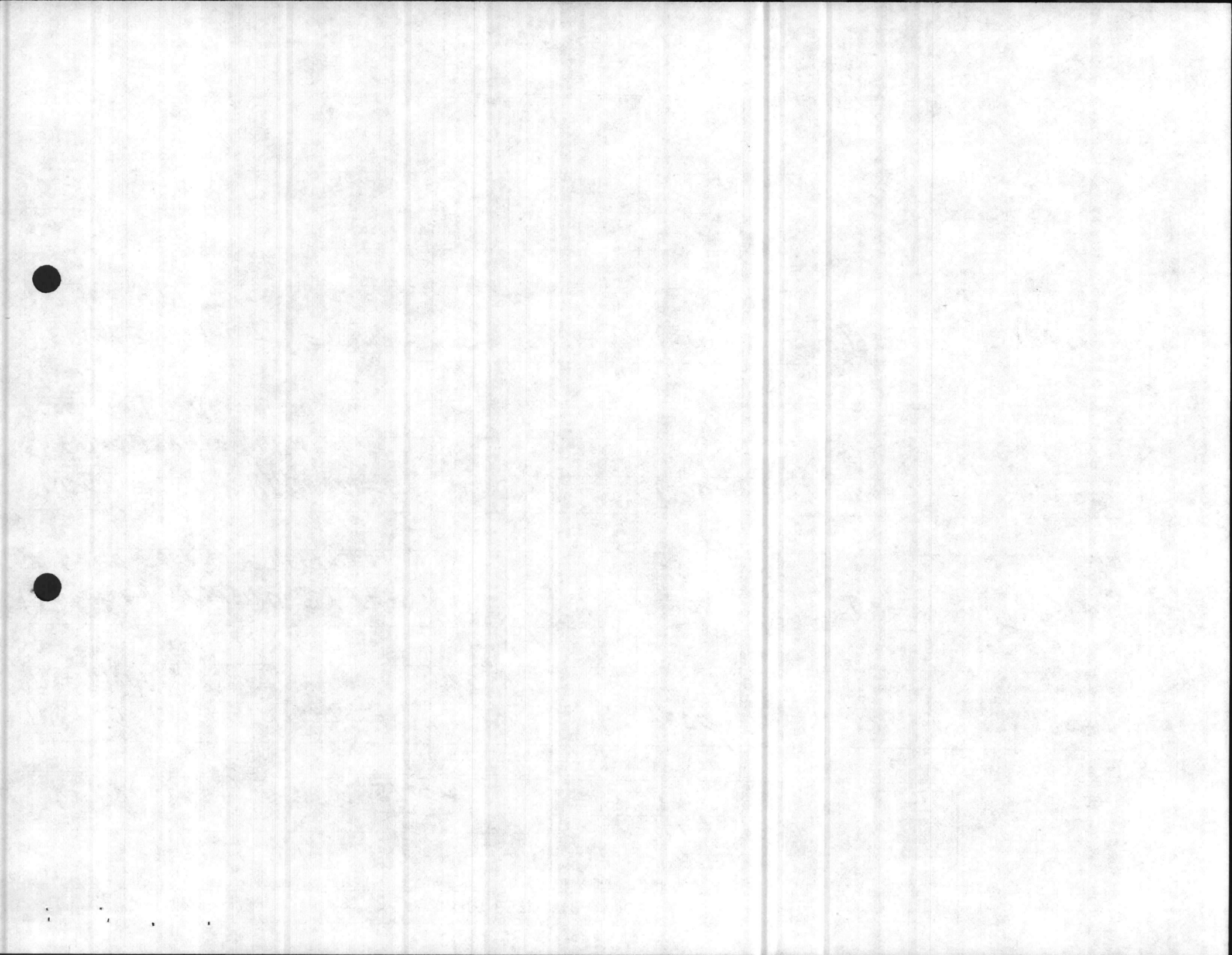
RENOVATE ELECT SYSTEM

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
INSTALL EMERG. LIGHTS AS REQUIRED				1,000		500		1,500
REMOVE AND REINSTALL FLY FANS FOR EACH DOOR TO BE REPLACED.				400		600		1,000
DISCONNECT AND RECONNECT SERVING LINE EQUIPMENT, FLOOR TO BE REPLACED		1		600		600		1,200
REPLACE EXHAUST FANS IN HEADS (4) EACH				1,600		1,200		2,800





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

*211 PHASE-4*

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

*BLANTON*

CATEGORY CODE NUMBER

PROJECT TITLE

*RENOVATE ELECT SYSTEM*

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
<i>REMOVE ALL CONDUIT, WIRE, OUTLET BOXES, JUNCTION BOXES, PANELS FROM DINING ROOM WALLS, WALLS TO BE RENOVATED REINSTALL RECESSED IN WALLS,</i>				<i>1,600</i>		<i>2,000</i>		<i>3,500</i>
<i>REPAIR ALL DAMAGE TO BLDG. CAUSED BY RENOVATION</i>				<i>1,000</i>		<i>1,000</i>		<i>2,000</i>
<i>BASIC TOTAL</i>				<i>23,550</i>		<i>13,800</i>		<i>37,350</i>



**COST ESTIMATE**

DATE PREPARED  
**3-20-86**

SHEET **1** OF

ACTIVITY AND LOCATION

**211 PHASE - 4**

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

**HUFFMAN**

CATEGORY CODE NUMBER

PROJECT TITLE

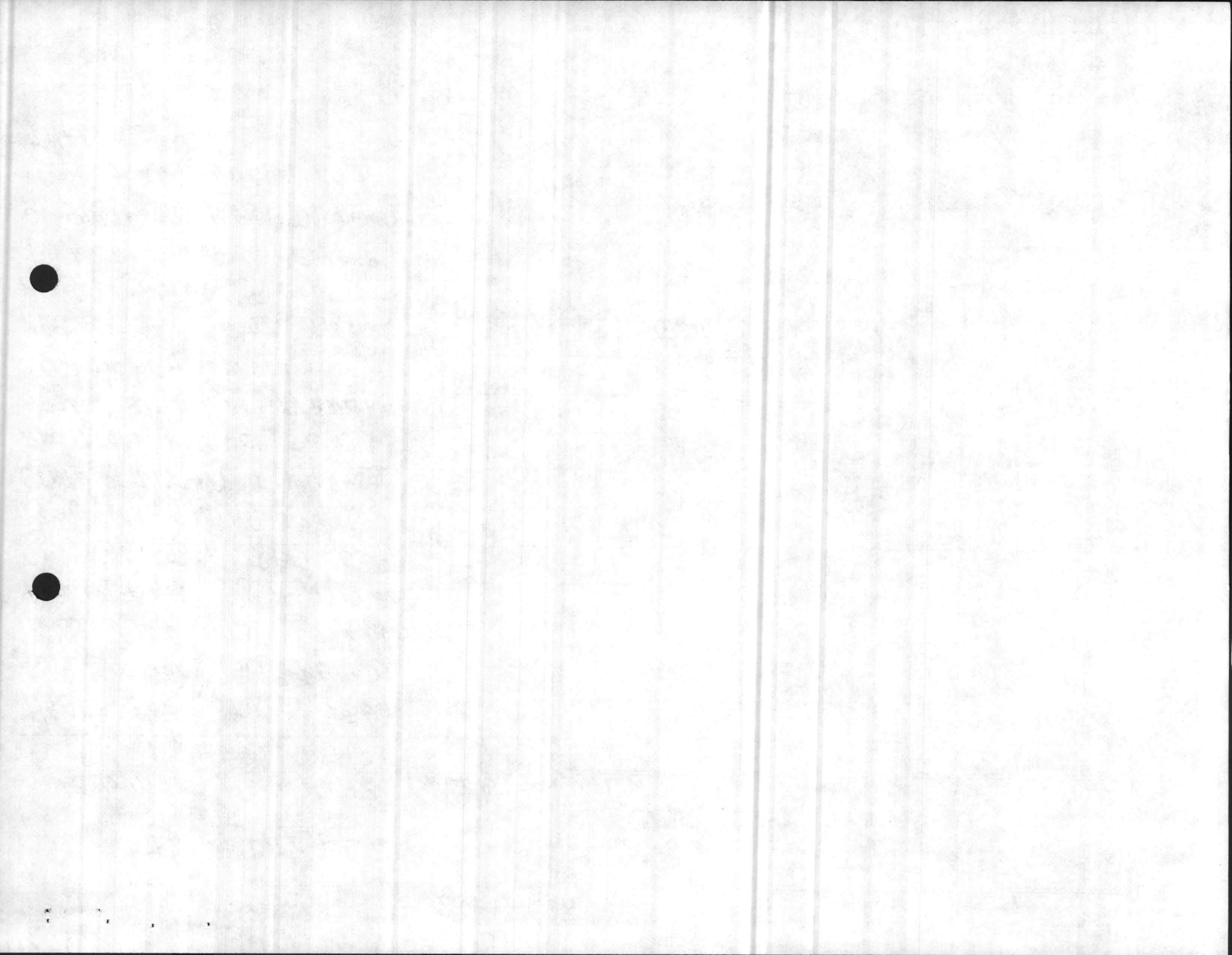
**RENOVATE MESS HALLS (MECH)**

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
HEADS NEAR STORAGE ROOM AND LOADING RAMP, REMOVE ALL PLUMBING FIXTURES AND SOWER STALLS FOR NEW FLOOR AND WALL TILE, REPLACE PLUMBING FIXTURES WITH NEW STATE OF THE ART FIXTURES AND TRIM, REPLACE SHOWER STALLS WITH MASONRY AND CERAMIC SHOWERS.				2,250		1,200		3,450
REPLACE AND SECURE MISSING FLOOR DRAIN AND C.O. COVERS THROUGH BUILDING, REPLACE COMPLETE SCULLERY DISHWASHER FLOOR DRAIN INCLUDING P TRAP.				500		600		1,100



**COST ESTIMATE**

DATE PREPARED  
**3-20-86**

SHEET **2** OF

ACTIVITY AND LOCATION

**211 PHASE-4**

CONSTRUCTION CONTRACT NO

ESTIMATED BY

**HUFFMAN**

IDENTIFICATION NUMBER

CATEGORY CODE NUMBER

PROJECT TITLE

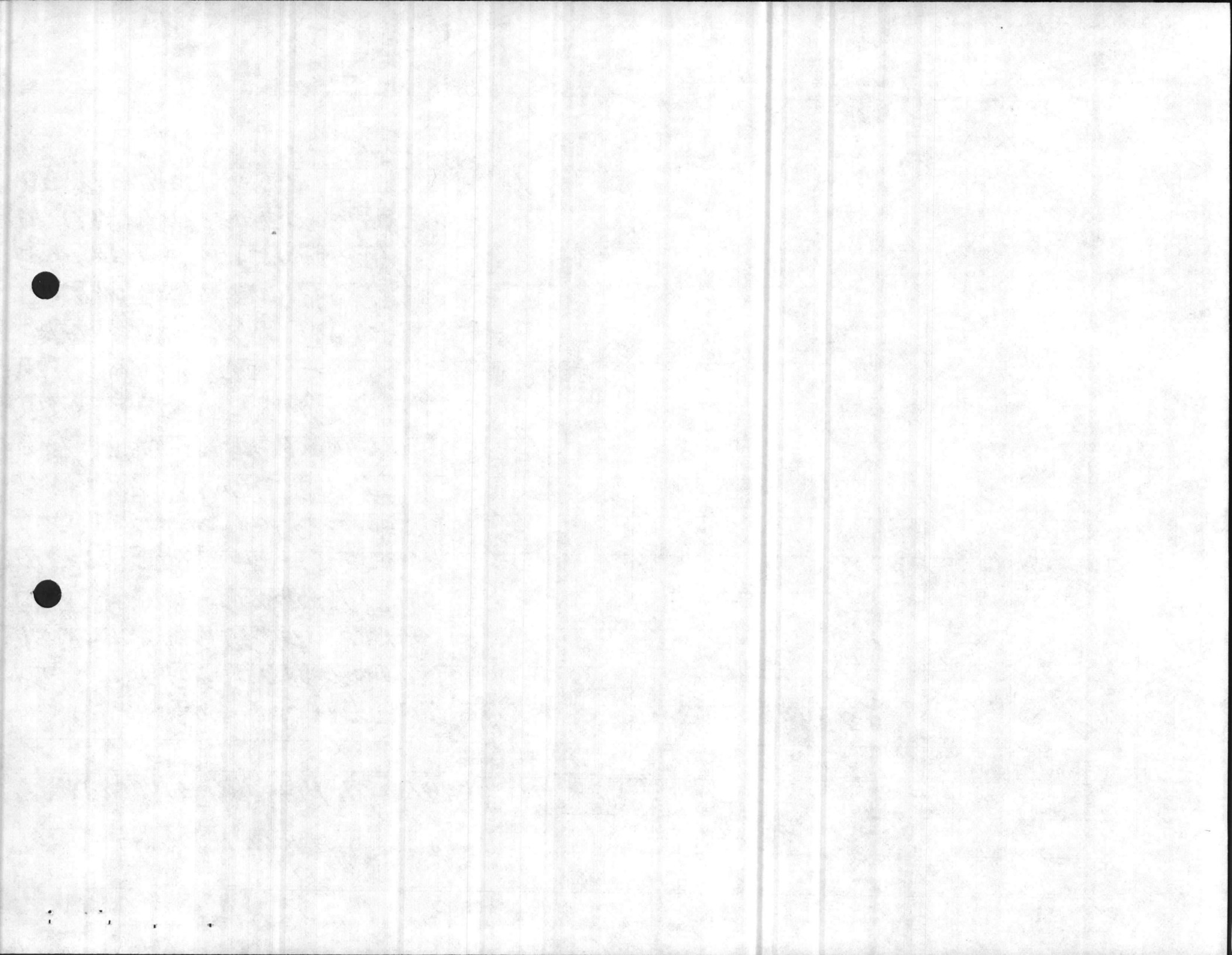
**RENOVATE MESS HALLS (MECH)**

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
IN SCULLERY ROOM DISCONNECT AND RECONNECT FOR TILE REPLACEMENT ALL WATER, STEAM, CONDENSATE, DRAINS EXHAUST DUCK TO SCULLERY EQUIP IN SERVING LINE AREA (ALL SERVING LINES) DISCONNECT AND RECONNECT FOR FLOOR AND WALL REPAIR AND/OR REPLACEMENT ALL WATER STEAM, CONDENSATE, DRAINS, DUCK WORK, ANSUL FIRE SYSTEM, EXTEND ALL PIPING THROUGH BUILDING (AS REQUIRED) FOR EQUIPMENT CONNECTIONS AND/OR WALL FURRED, EXTENDED OR REPAIRED.						500		500
						1200		1200



**COST ESTIMATE**

DATE PREPARED  
**3-20-84**

SHEET **3** OF .

ACTIVITY AND LOCATION:

**211 PHASE-4**

CONSTRUCTION CONTRACT NO

ESTIMATED BY

**HUFFMAN**

IDENTIFICATION NUMBER

CATEGORY CODE NUMBER

PROJECT TITLE

**RENOVATE MESS HALLS (MECH)**

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
IN HEADS ON MESS DECK				400		800		1,200
EXTEND HEATING AND A.C. SUPPLY								
AND RETURN AIR DUCKS AND GRILL								
FROM EXISTING SYSTEM MESS DECK								
AREA.-REPLACE ALL SUPPLY AND				4,000		700		4,700
RETURN HTG. AND A.C. CEILING								
GRILLS.								
ON ROOF REPLACE ALL EXHAUST				9,500		2,000		11,500
FANS OVER GALLEY AND SERVING LINES								
ON SCULLERY ROOF- REPLACE				1,600		500		2,100
EXHAUST FAN OVER DISHWASHER								
AND INCREASE SIZE AND VOLUME								
IN OFFICES, VEG PREP, HEADS,				12,000		6,000		18,000
MEAT PREP AREA REMOVE								
EXISTING RADIATORS AND								
WINDOW A.C. UNITS AND								
(CONT SH-4)								





**COST ESTIMATE**

DATE PREPARED  
**3-20-86**

SHEET **4** OF **4**

ACTIVITY AND LOCATION

**211 PHASE - 4**

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

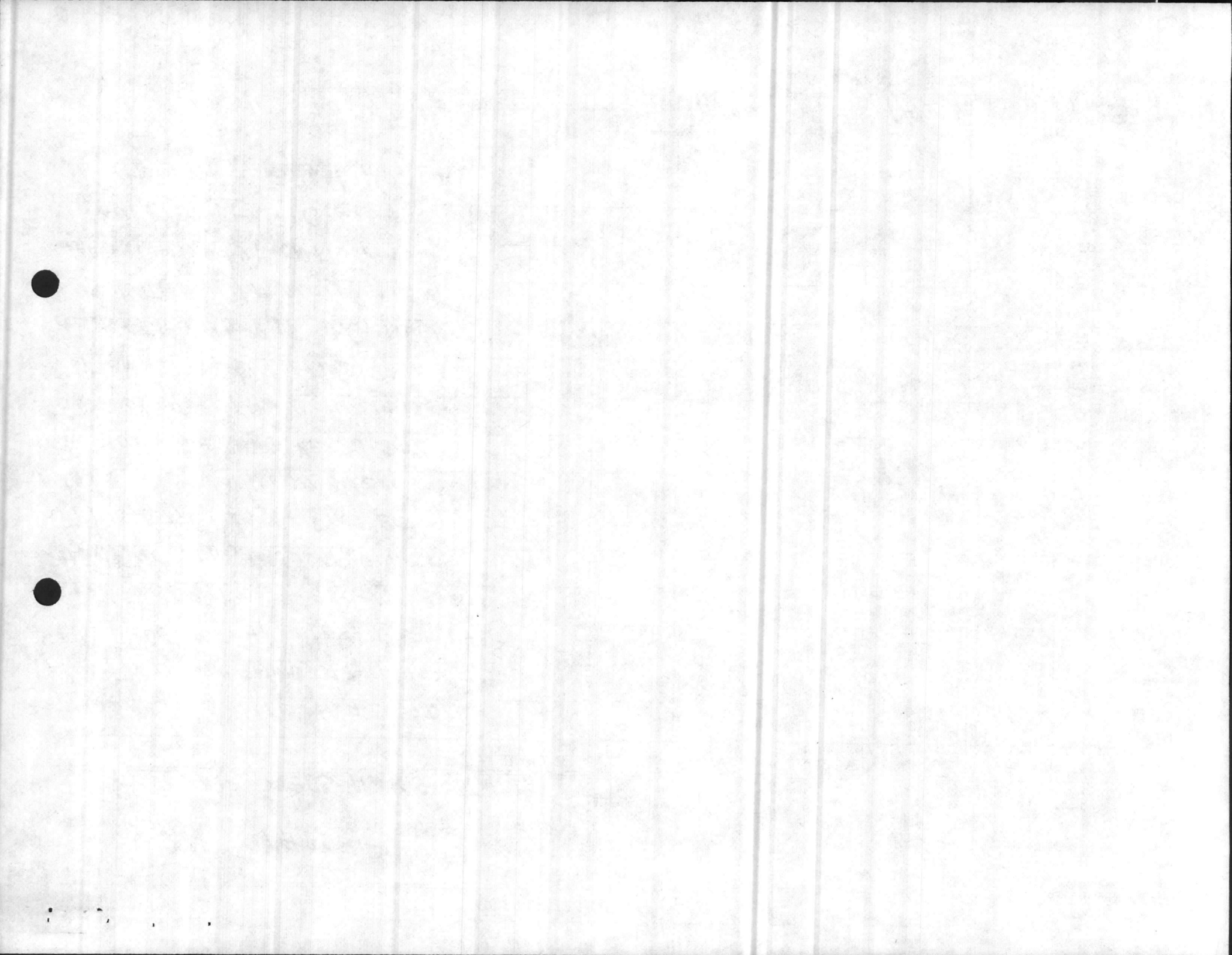
**RENOVATE MESS HALLS (MECH)**

STATUS OF DESIGN

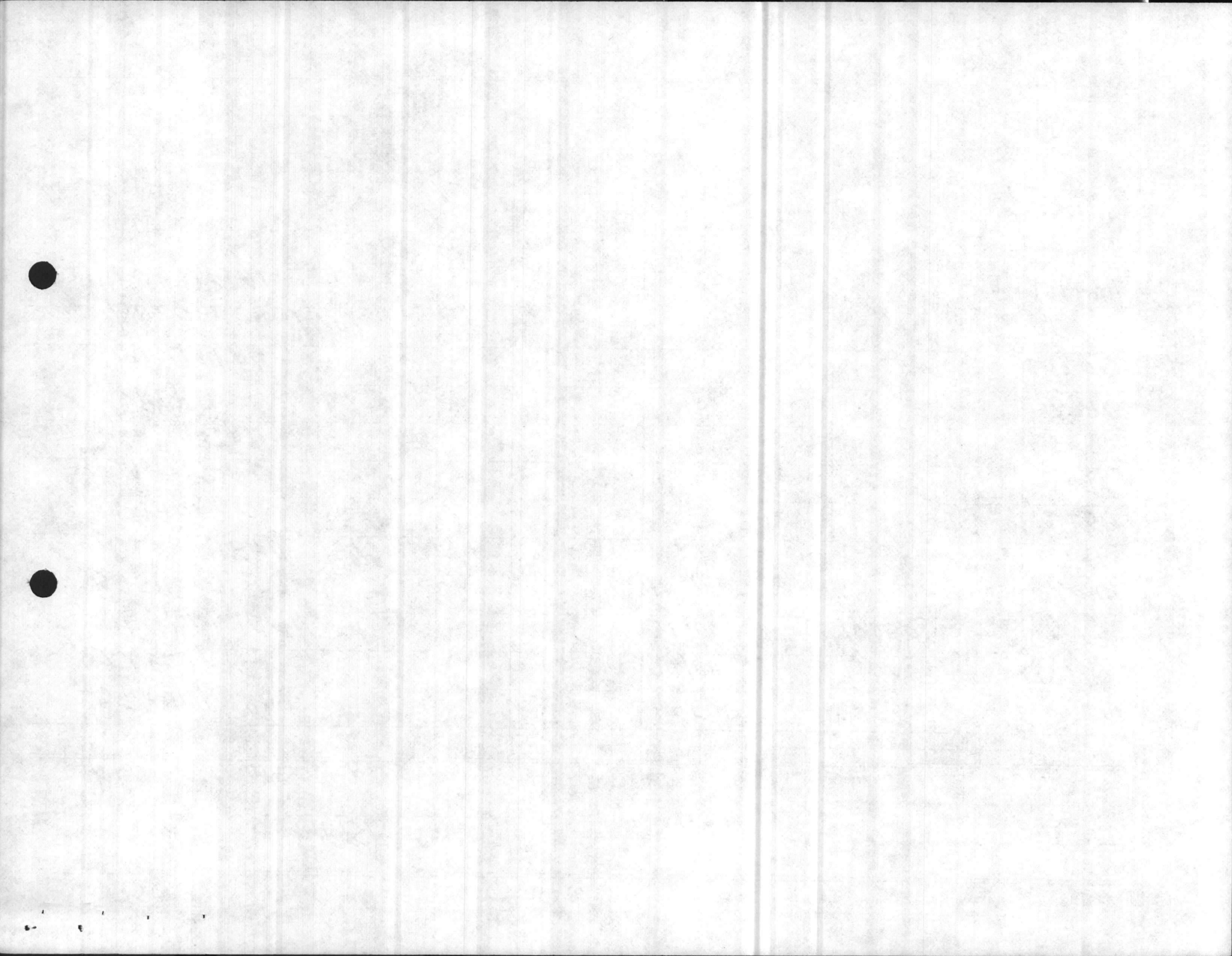
PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
INSTALL CENTRAL HUAC SYSTEM COMPLETE IN SAME AREA. TO INCLUDE AIR HANDLER, A.C. CONDENSER, COMPRESSOR, STEAM HEATING COIL, INSULATED DUCK, PIPING, CONTROLS, WIRING ECT. IN (3) OLD WALKIN COOLERS REMOVE, REHANG, RECONNECT EVAPORATOR FAN COIL UNITS FOR WALL AND CIELING REPAIR REPLACE EXTERIOR A.C. DUCK INSULATION WITH WATER TIGHT INSULATION (2) UNITS. INSULATE (R-25) CIELINGS IN AREA OF CENTRAL HUAC.						1,200		1,200
				850		1,550		2,400
<b>BASIC TOTAL</b>				<b>31,100</b>		<b>16,250</b>		<b>47,350</b>







**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

**SAWVER**

CATEGORY CODE NUMBER

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

**BLDG. 325- PHASE #3.**  
**RENOVATE MESS HALLS**

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
- DEMO & REPL WINDOWS w/MODERN STATE OF ART THERMOPLANE	140	EA.	130.	18200	76.	10,640	206	28,840
- DEMO & REPL DOORS w/ANODIZED ALUM FRAME, SAFETY GLASS, SIDE PANELS, & TRANSOMS	4	EA	1190	4,760	510	2,040	1700	6,800
- RENOVATE HEADS, ADMIN SECT. INCLUDE CERAMIC WALLS, FLOOR, SHOWER, w/ CERAMIC STALLS.	700	SF	71.	4,200	9.	1,800	30.	6000
- DEMO & REPL INT. DOORS	12	EA	175	2100	40.	480	215	2580
- INSTALL STAINLESS STEEL WALLS, CEILING, REPL. REEFERS DOORS.	3.	EA	2,554	7,662	637.	1,911	3,191	9,573.
- DEMO & REPL GRID VINYLCOAT, OVER SERVE. LINES, STEEL IN DINING AREA.	14,560	SF	.63	9,173	.31	4,514	.94	13,686
- HURR OUT WALLS AT SERVING LINES TO ACCOMMODATE CONDUIT, & J. BOXES, INSTALL CERAMIC TILE 5'x10'	650	SF.	1.45	943.	1.45	943	2.90	1886



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

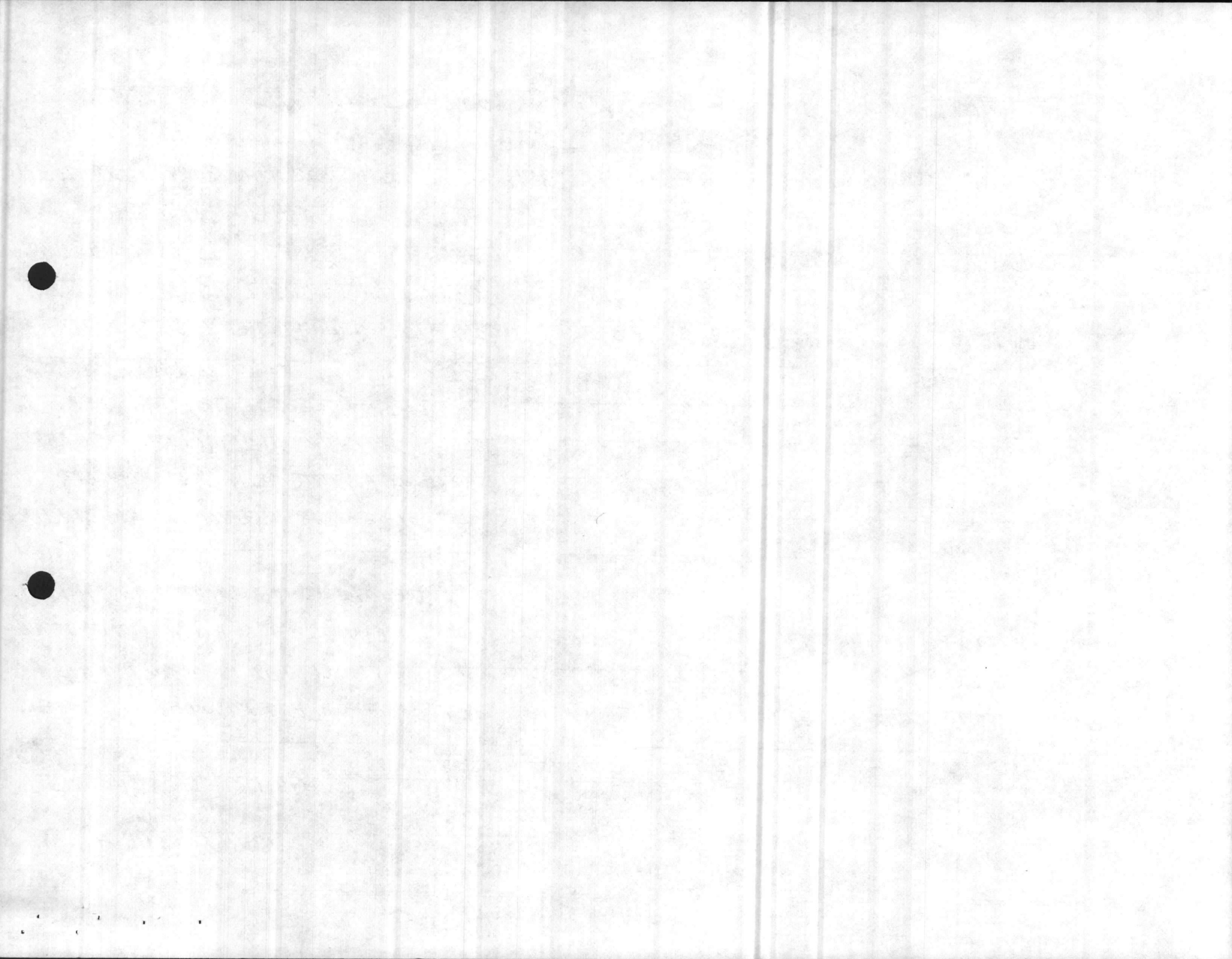
PED  30%  100%  FINAL  Other (Specify)

# 325 PHASE # 3.

SAWYER

RENOVATE MESS HALL

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
DEMO, TERRAZO ON SERVING LINES. REPL W/ QUARRY TILE 12'x130'	1560	SF.	1.85	2887	2.80	4,368	4.65	7254.
REPR PLASTER WALLS, FURR OUT, INSTALL FIRE RATED PANEL W/ CHAIR RAIL & VINYL	5,976	SF	1.20	7,171	.40	7,390	1.60	9562.
REPR PLASTER WALLS. FURR OUT. TO ACCOMMODATE ELECT. CONDUIT & J. BOXES. INSTALL FIRE RATED PANELING W/ CHAIR RAIL & VINYL WAINS COAT TO CEILING, DINING AREA								
INSTALL 8" WOOD BASE (DINING SECT)	690	LF	.60	414	.25	173	.85	587
DEMO & REPL BUILT UP ROOF W/ INPLY RUBBER INSULATE GRAVEL STOP & GUTTER	5.5	SQ.	280.	1,540	120	660.	400	2,200
SUSPEND CEILING OFFICES	1000	SF.	.63	630.	.31	310.	.94	940
REPL REAR LOAD DOCK CONC. DECK COMP. W/ LOAD UNLOAD BUMPERS	2.	EA	150.	300.	100.	200.	250	500
DEMO & REPL CERAMIC TILE (HALLS)	600	SF	1.45	870	1.45	870.	290	1740





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

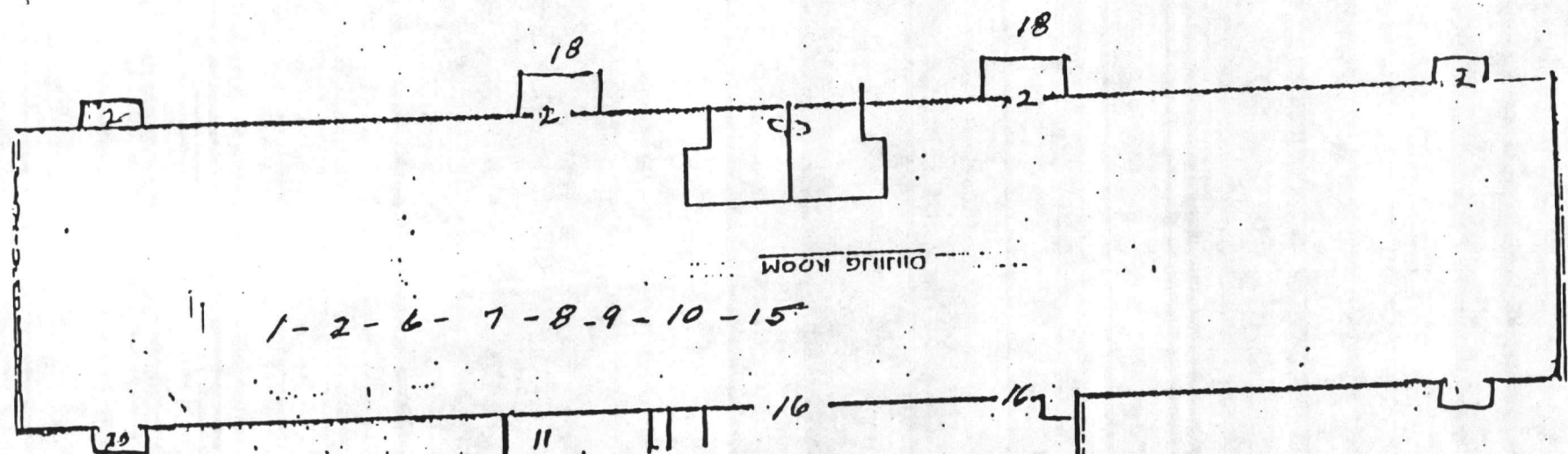
BUDG# 325 PHASE #3.

RENOVATE MESS HALLS

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
DEMO NON FIRE RATED PANELING {REPL	2970	SF			.30	891	.30	891
REPL GASKET, ON DOORS FROM GALLEY TO DINING AREA	60	LF	3.75	225.	2.00	120.	5.75	345.
PAINT INT. AS APPACHABLE, F&T WATER BLAST & REFINISH CONC. SURFACES W/REFINISHER (NO PAINT)	4200	SF	.12	504	.48	2,016	.60	2,520
DEMO REPL ENTRANCE STOOPS. (AS SHOWN)	2	EA	800	1600	350	1,150	4	2300
DEMO DECOR QUARRY & CERAMIC WALL LIFE SCULLERY SECTION	1500	SF	1.45	2,175	1.45	2,175	2.90	4,350
REPL ENT DOORS AS NOTED.	4	EA	275	1,100	150.	600.	425.	1700
PREP FACIA & SOFFIT & INSTALL VINYL	1368	SF.	.76	1040	.68	930	1.44	1970
REPR. PLASTER THROUGH OUT GALLEY, OFFICES, STORAGE, HENDS AS NECESSARY.	10	SY	5.35	54.	12.05	121.	1740	174.
<b>TOTALS</b>				<b>67,548</b>		<b>38,851</b>		<b>106,400</b>

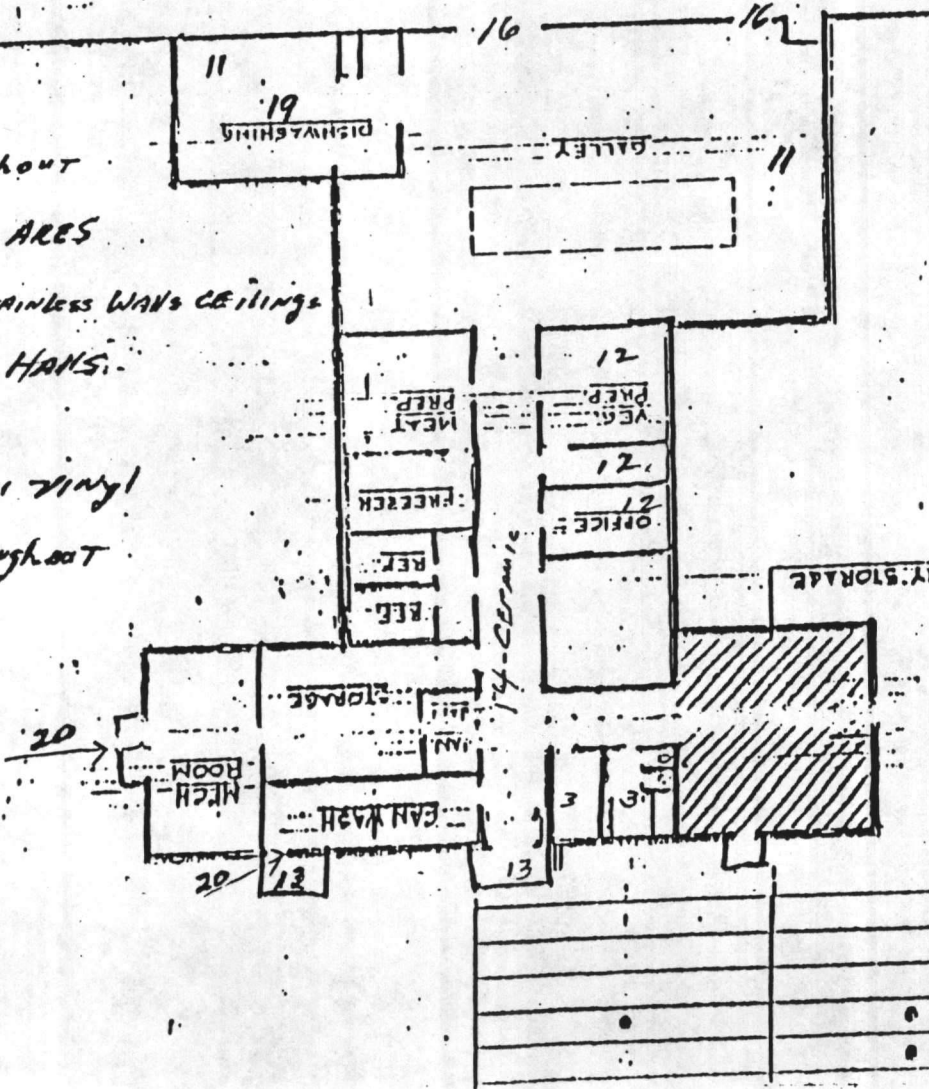


CONSULT COST ESTIMATE FOR

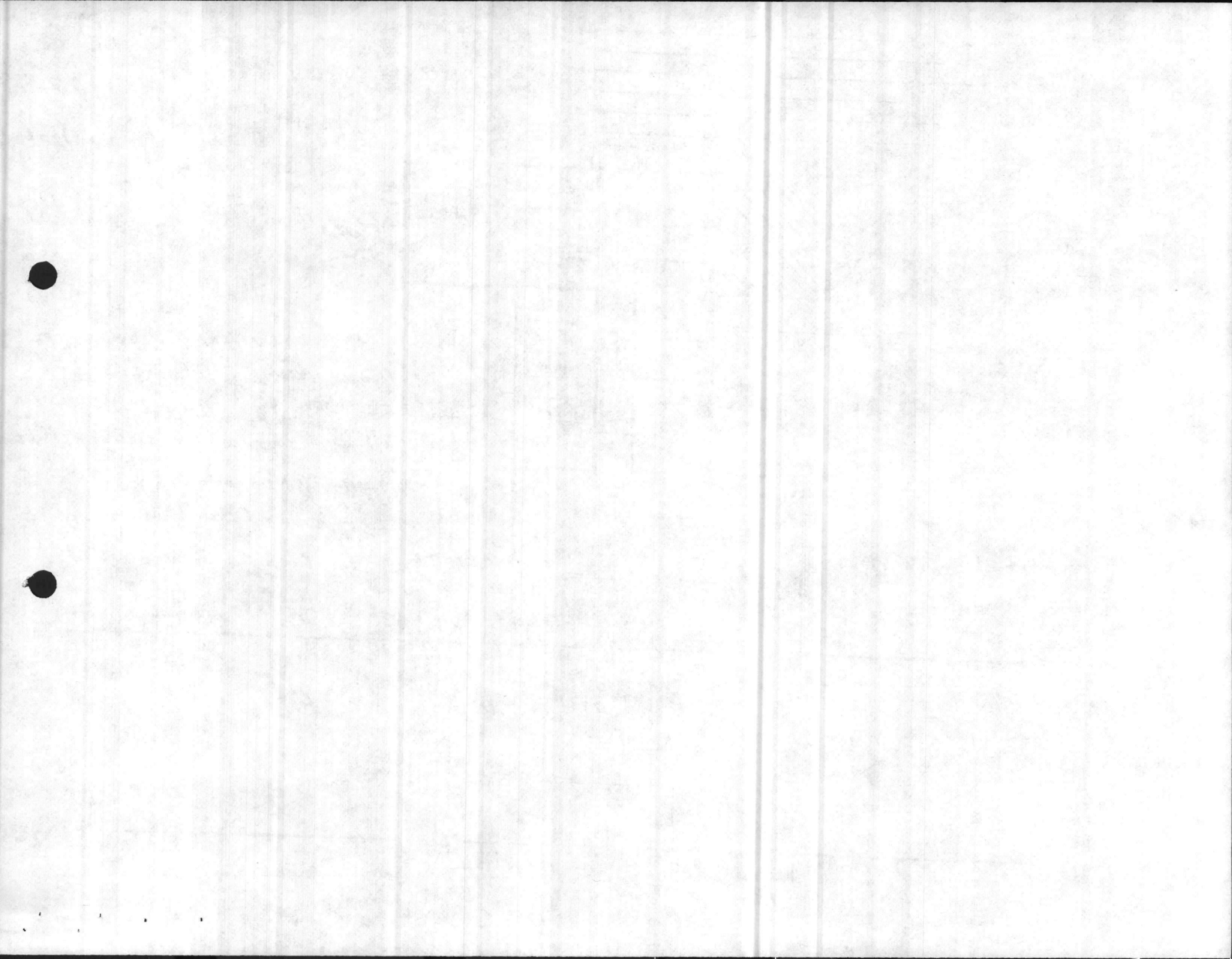


- 1- REPLACE WINDOWS THROUGHOUT
- 4- REPL DOORS, OFF WORK AREAS
- 5- REPL DOORS REFRIG & STAINLESS WARE & CEILING
- 14- DEMO REPL CERAMIC, HANSI.
- 17- PAINT INT EXT
- 21- PREP SOFFIT & INSTALL VINYL
- 2- REPAIR PLASTER THROUGHOUT

BLDG- 325



3  
3  
3



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE  
*BIDG-325- PHASE #3.*

ESTIMATED BY  
*BLANTON*

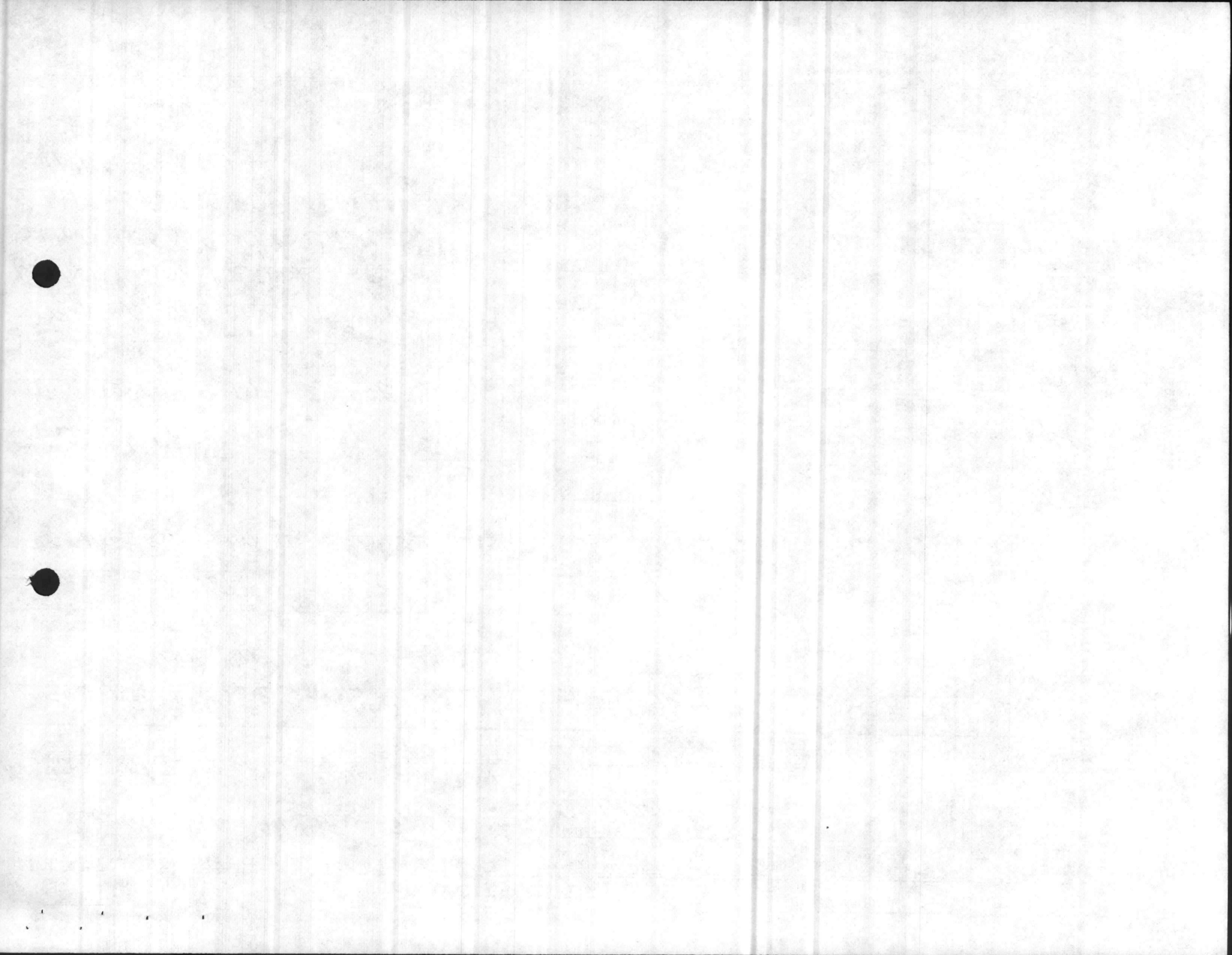
CATEGORY CODE NUMBER

*RENOVATE ELECT SYSTEM.*

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
<i>REPL ALL 4' X 2' 3 TUBE LAY IN FLUOR FIXTURES W/ NEW 4' X 2' 4 TUBE</i>				<i>7000</i>		<i>3500</i>		<i>10500</i>
<i>INSTALL F&amp; FANS IN HEADS. (A) FA.</i>				<i>1600</i>		<i>1200</i>		<i>2800</i>
<i>REMOVE &amp; REINSTALL FLV FANS OVER DOORS TO BE REPLACE</i>				<i>400</i>		<i>400</i>		<i>800</i>
<i>REMOVE ALL CONDUIT, WIRE, OUTLET BOXES, JUNCTION BOXES SWITCHES &amp; PANEL, REIN- STALL RECESSED IN WALL, DINING AREA</i>				<i>1500</i>		<i>2000</i>		<i>3500</i>



ACTIVITY AND LOCATION: BLDG. 325 - PHASE #3

CONSTRUCTION CONTRACT NO: \_\_\_\_\_

IDENTIFICATION NUMBER: \_\_\_\_\_

PROJECT TITLE: RENOVATE ELECT SYSTEM.

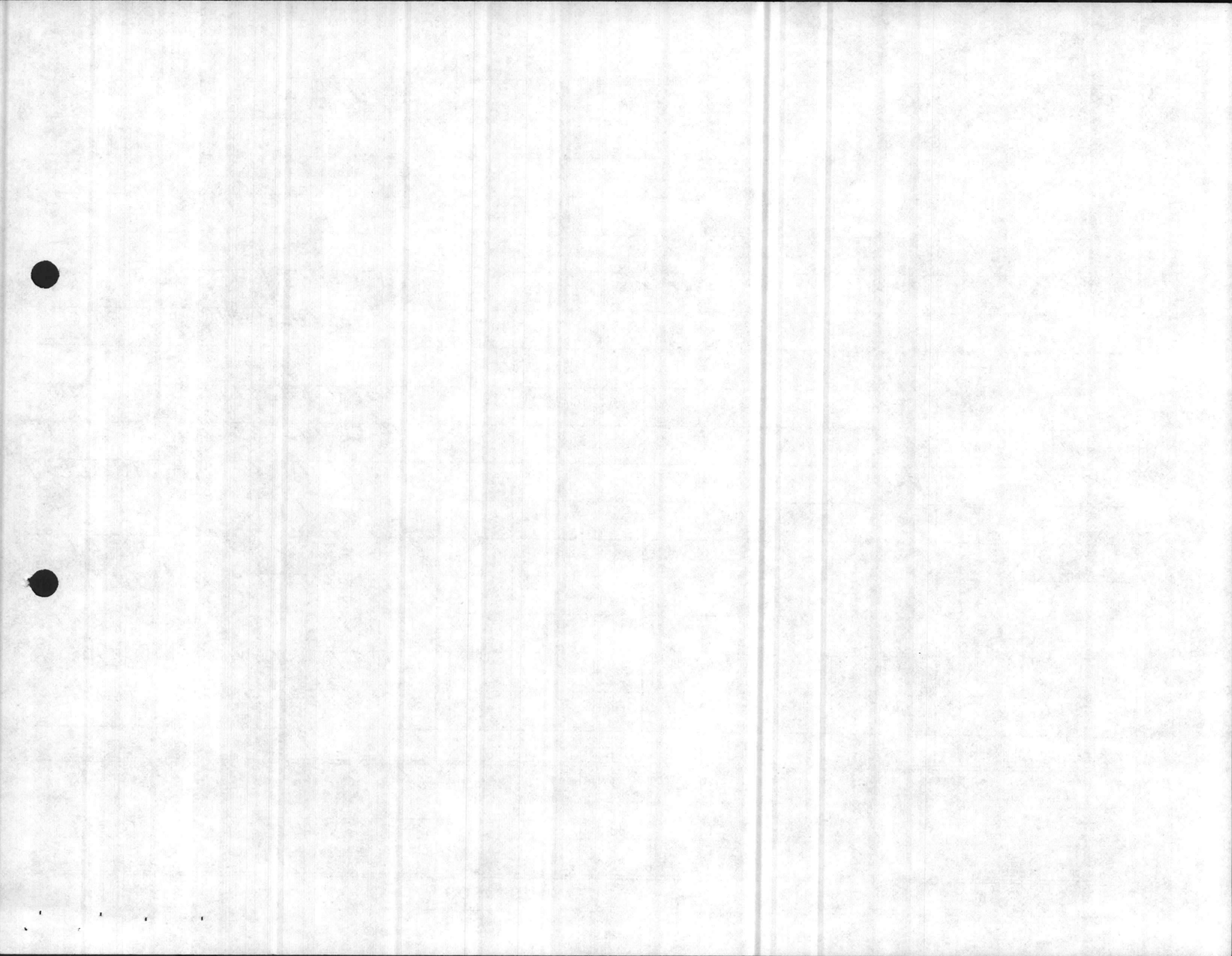
ESTIMATED BY: \_\_\_\_\_

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
CEILING TO BE REPLACED IN OFFICES AREAS. REPL. EXISTING W/ NEW FLUOR. FIXTURES, TO BE COMPATIBLE W/ NEW CEILING.				600		400		1000
REPL ALL 4' (2) TUBE VAPOR PROOF FLUOR FIXTURES IN GALLEY & SCULLERY AREA		1		9500		4500		14,000
REPAIR ALL DAMAGE TO BDG CAUSE BY RENOVATION.				500		1000		1500
<b>TOTAL</b>				<b>21,100</b>		<b>13000</b>		<b>34,100</b>





### COST ESTIMATE

DATE PREPARED  
3-20-86

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY  
HUEFFMAN

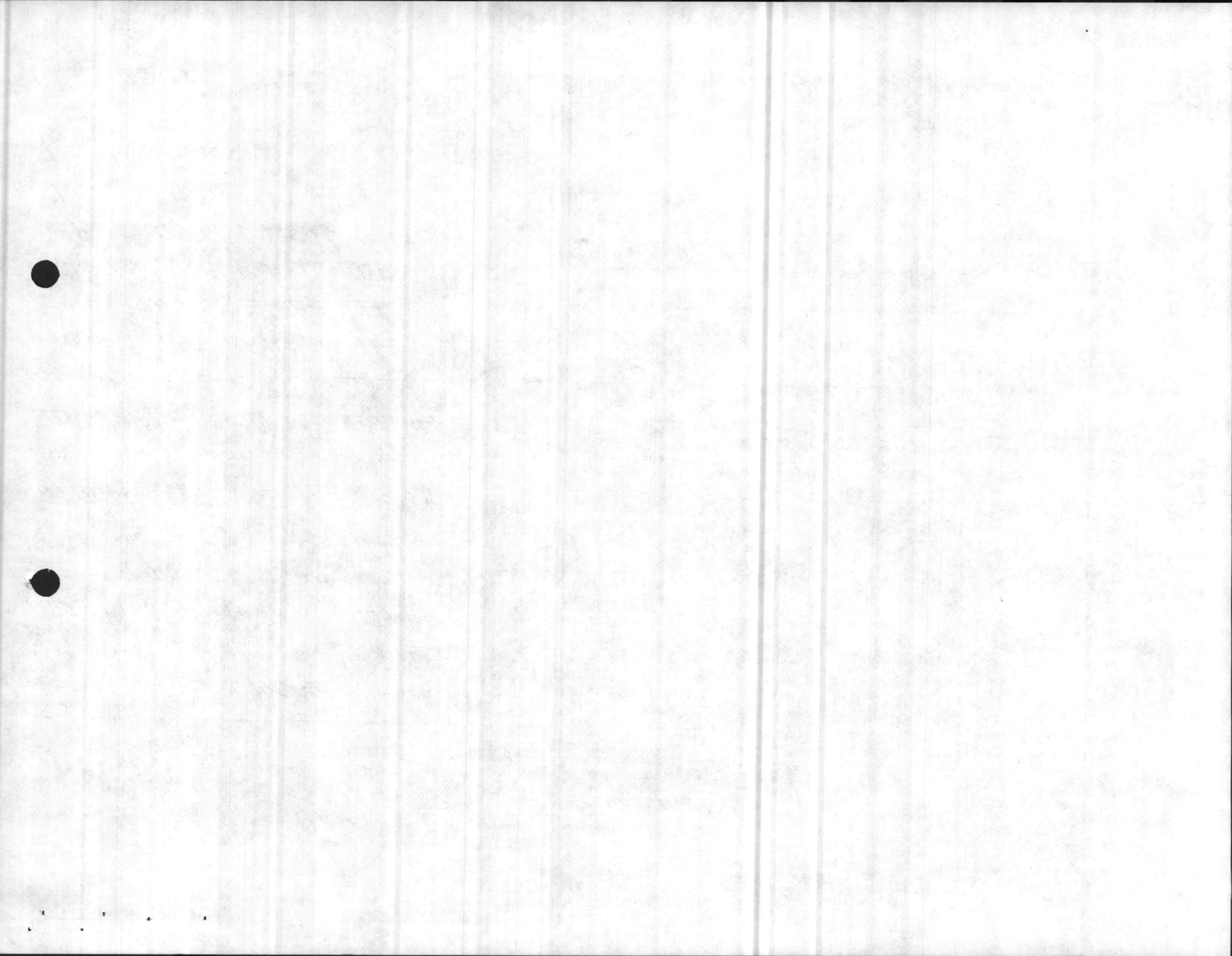
CATEGORY CODE NUMBER

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

JOB ORDER NUMBER

RENOVATE MESS HALLS.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
HEADS NEAR STORAGE ROOM & LOADING PLUMB. REMOVE ALL PLUMBING FIXTURES & SHOWER STALLS FOR NEW FLOOR & WALL TILE, REPL PLUMBING FIXTURES w/ NEW STATE OF THE ART FIXTURES & TRIM. REPL SHOWER STALLS w/ MASONRY & CERAMIC SHOWERS.				2250		1200		3450
REPL. & SECURELY MISSING FLOOR DRAINS & CLEAN OUT. COVERS THROUGH BUILDING, REPL SQUELERY DISHWASHER FLOOR DRAIN INCLUDING P. TRAP				500		600		1100



# COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

*BLDG 325 PHASE #3.*

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

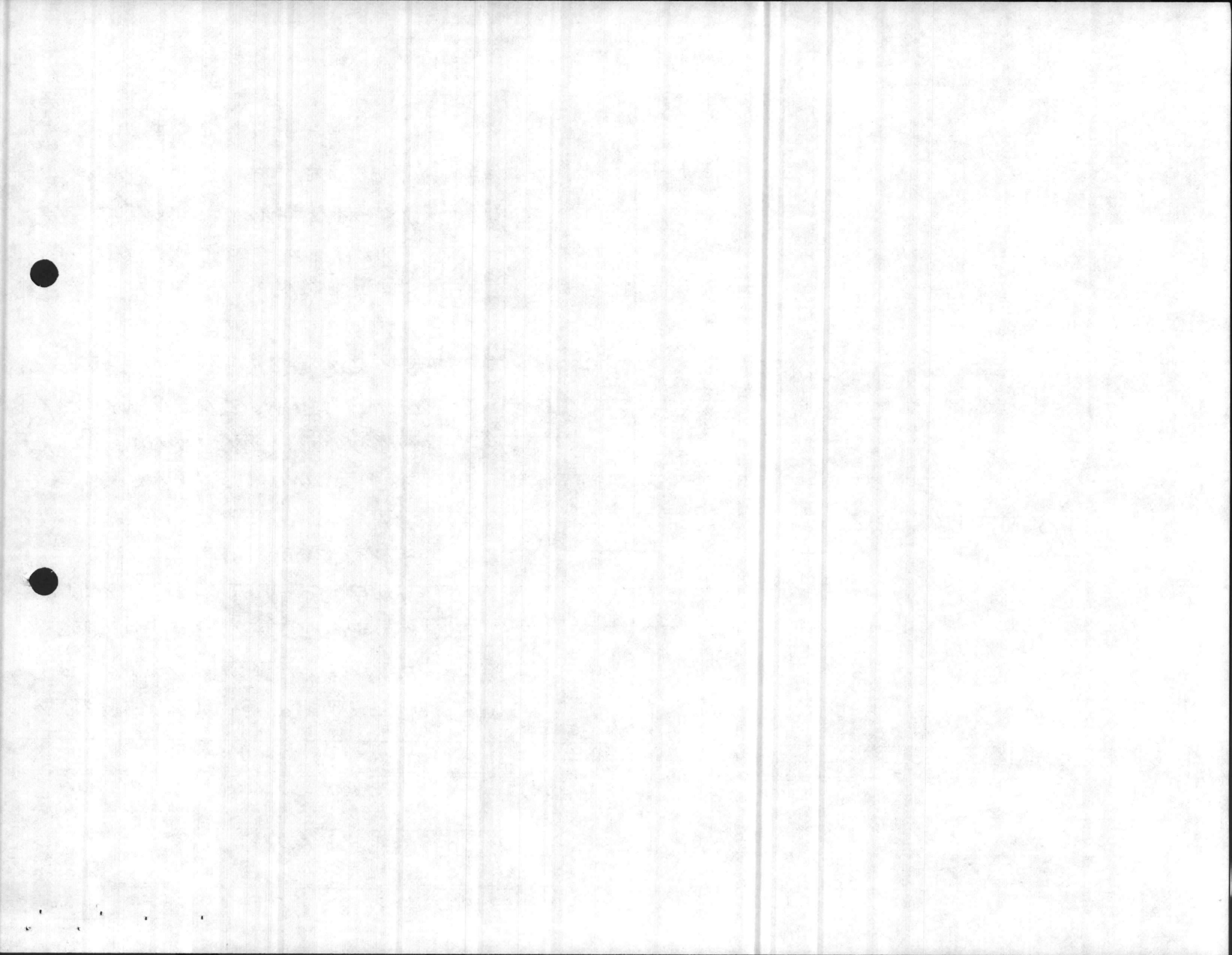
*RENOVATE MESS HALLS*

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
<i>IN SCULLERY ROOM DISCONNECT &amp; RECONNECT, FOR TILE REPLACEMENT, ALL WATER, STEAM, CONDENSATE, DRAINS, &amp; DUCKS TO SCALLEEQUIP. IN SERVING LINE AREA (ALL SERVING LINES) DISCONNECT &amp; RECONNECT FOR FLOOR &amp; WALL TILE REPLACEMENT &amp; /OR INSTALATION ALL WATER, STEAM, CONDENSATE, DRAINS, DUCK, ANSUL FIRE LINES, EXTEND ALL PIPING AS REQUIRED, THROUGHOUT BLDG. FOR EQUIP. CONNECTIONS &amp; /OR WALL REPAIRS, EXTENSION OR FURRED.</i>						<i>500</i>		<i>500</i>
						<i>1200</i>		<i>1200</i>



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

**BLDG. 325 - PHASE - 3**

ESTIMATED BY  
**HUFFMAN**

CATEGORY CODE NUMBER

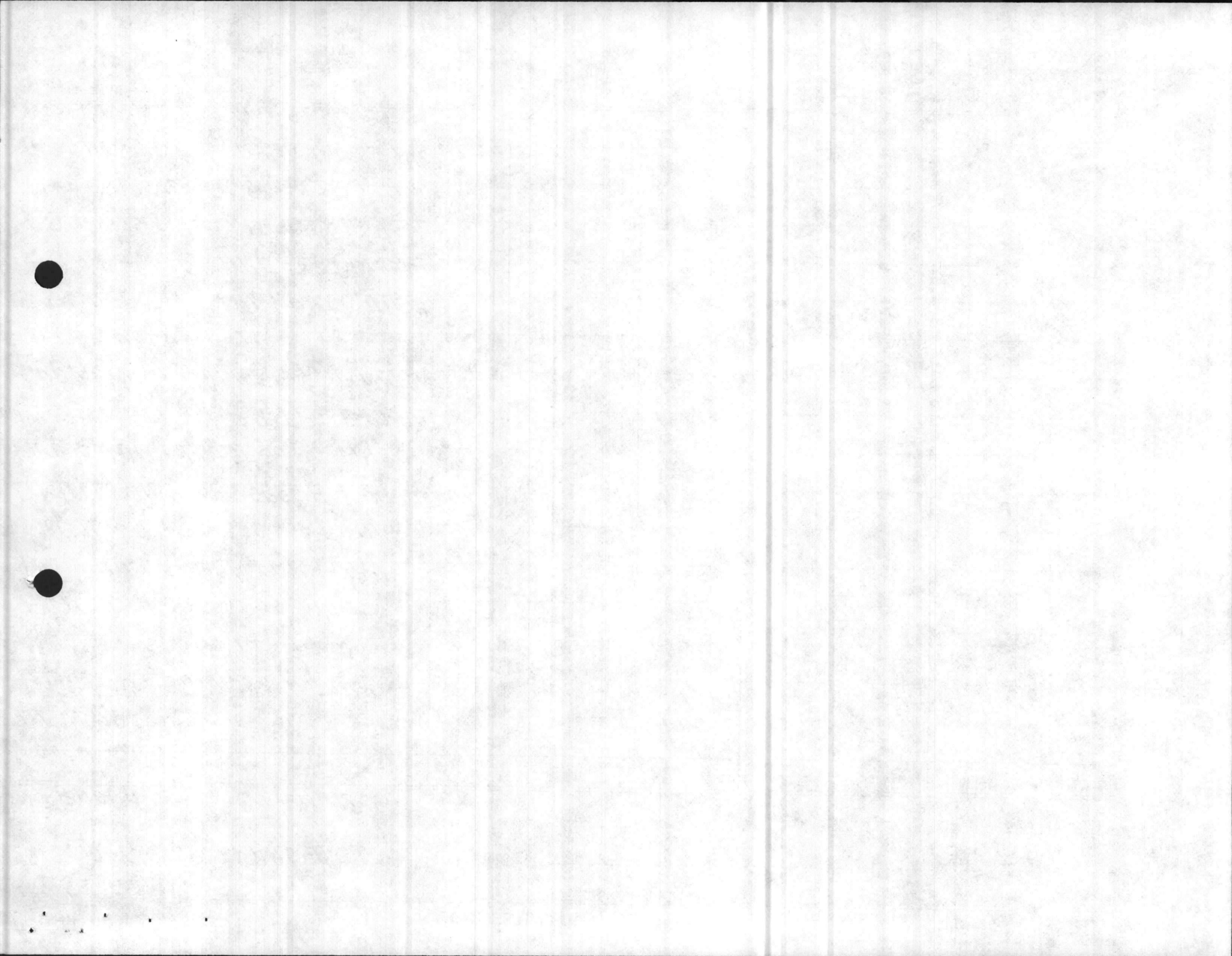
PROJECT TITLE

**RENOVATE MESS HALLS.**

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
IN HEADS ON MESS DECK EXTEND HTG & A/C SUPPLY & RETURN AIR DUCTS & GRILLS FROM EXISTING SYSTEMS MESS DECK AREA, REPL ALL SUPPLY & RETURN HTG & AC CEILING GRILLS ON ROOF. REPL ALL EX-FANS OVER GALLEY & SERVING LINES SCULLERY ROOF REPL. EX FANS OVER DISH WASHER & INCREASE SIZE & VOLUME. IN OFFICE, VEG. PREP, HEADS MEAT PREP. AREAS & WINDOW A/C UNITS & INSTALL CENTRAL HVAC SYSTEM COMPLETE INSAME TO INCLUDE AIR HANDLER, H/C CONDENSER, COMPRESSOR →				400		800		1200
				4,000		700		4700
				9,500		2,000		11,500
				1600		500		2100
				13,000		6,000		18,000



**COST ESTIMATE**

DATE PREPARED  
**3-20-86**

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

**BLDG-325 PHASE #2**

ESTIMATED BY

CATEGORY CODE NUMBER

**HUFFMAN**

PROJECT TITLE

STATUS OF DESIGN

JOB ORDER NUMBER

**RENOVATE MESS HALLS**

PED  30%  100%  FINAL  Other (Specify)

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
STEAM HEATING COILS, INSULATED DUCK PIPING, CONTROLS, WIRING, ECT. IN (3) OLD WALL IN COOLERS REMOVE, REHANG, RECONNECT EVAPORATOR FAN COILS UNITS FOR WALL & CEILING REPAIR. REPLACE EXT. AC DUCK INSULATION W/WATER TIGHT INSULATION (2) UNITS, & INSULATE SHELFINGS ABOVE NEC A/C AREA						1200		1200
				850		1530		2400
<b>TOTAL</b>				<b>31,100</b>		<b>16,250</b>		<b>47,375</b>





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

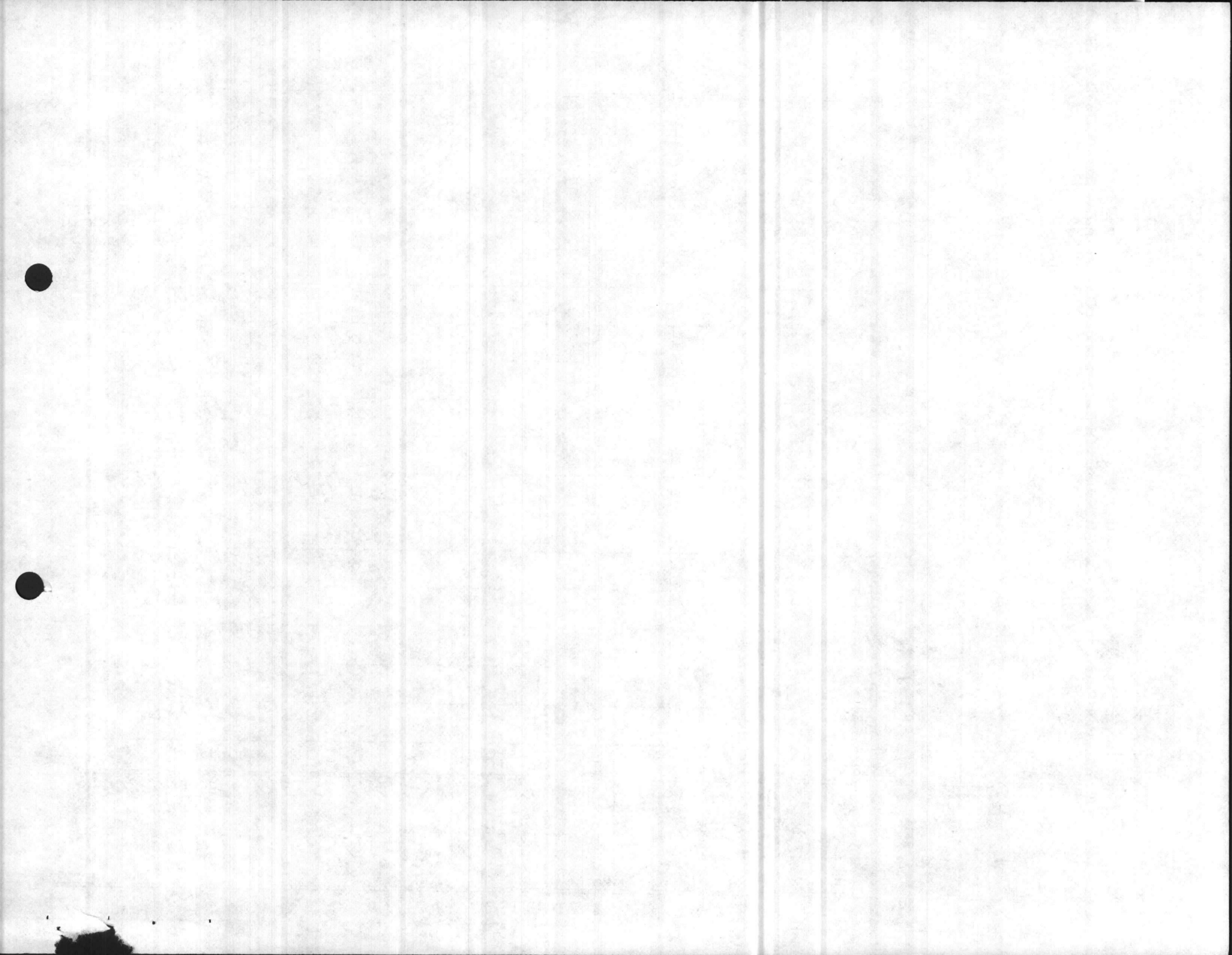
PED  30%  100%  FINAL  Other (Specify)

411 PHASE-5

HUFFMAN

RENOVATE MESS HALL

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
STRUCTURAL				63,945		38,436		102,381
ELECTRIC				21,200		13,200		34,400
MECHANICAL				31,100		16,250		47,350
BASIC TOTAL				116,245		67,886		184,131
OVER HEAD 15%								27,620
LABOR 18%								12,220
MATERIAL 4.5%								5,231
SUB TOTAL								229,202
PROFIT 10%								22,920
SUB TOTAL								252,122
Bond 1%								2,521
SUB TOTAL								254,643
								Rounded 254,700



**COST ESTIMATE**

DATE PREPARED  
 3-25-86

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

BLDG 411- PHASE 5  
 PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

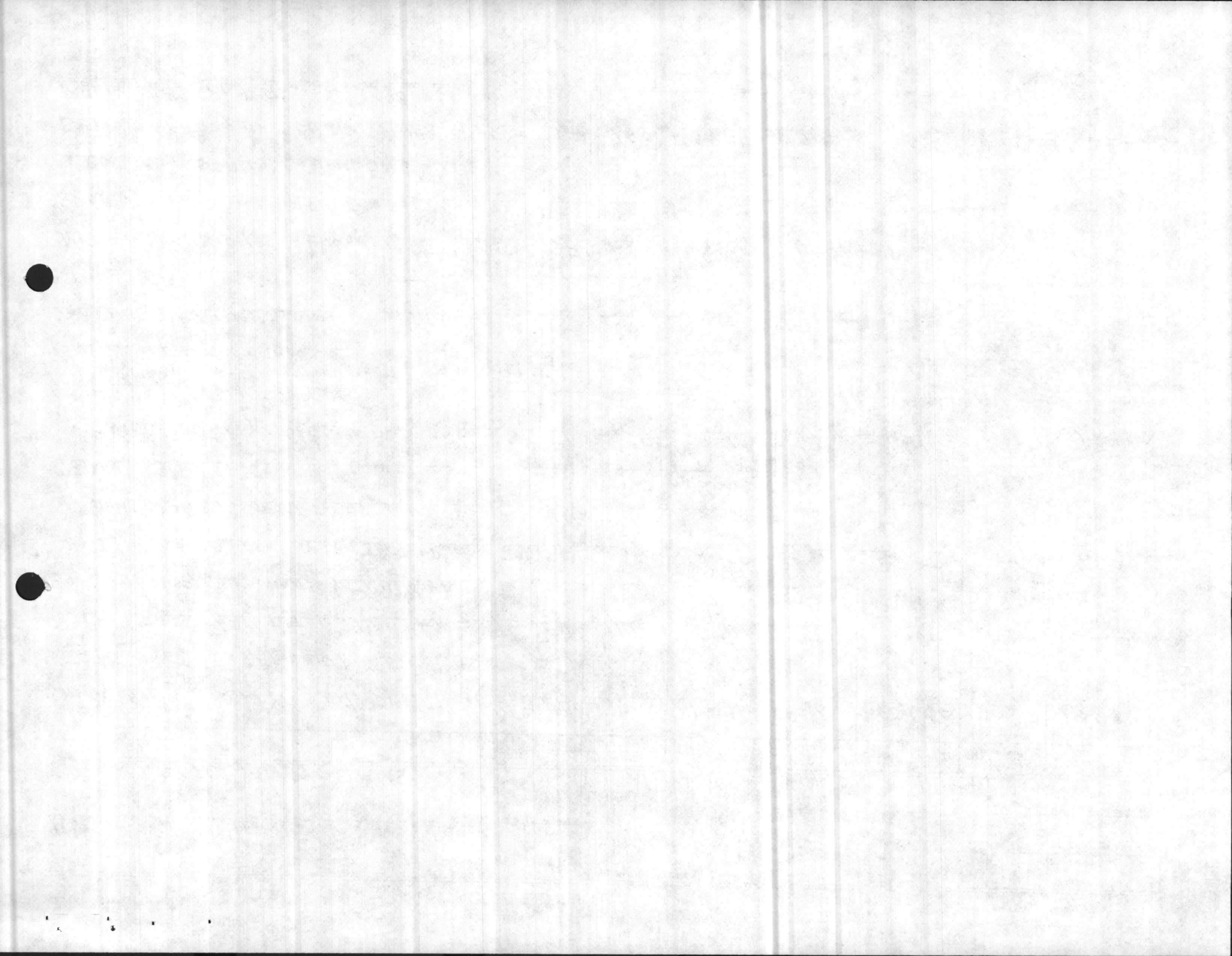
STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

RENOVATE MESS HALLS.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1 - DEMO & REPL WINDOWS W/MODERN STATE OF THE THERMO PANE	140	EA	130.	18,200	76.	10,640	206	28,840
2 - REPL DOORS W/ANODIZED ALUM FRAME SAFETY GLASS, SIDE PANELS & TRANSOMS.	4	EA	1,190	4,760	510.	2,040	1,700	6,800
3 - DEMO & RENOVATE HEADS, ADMIN SECT. INCLUDE CERAMIC WALLS, FLOOR, SHOWER, W/ CERAMIC STALLS	300	SF	21.	4,200	9.	1,800	30.	6,000
4 - INSTALL STAINLESS STEEL, WALLS, CEILING, REPL REEFERS.	3	EA	2,554	7,662	637.	1,911	3,191	9,573.
5 - DEMO & REPL GRID VINYL COAT, OVER SERVING LINES REMAINDER STEEL DINING AREA.	14,560	SF	.63.	9,173	.31	4,514	.94	13,686
6 - REPAIR WALLS AT SERVING LINE BY FARRING TO ACCOMMODATE CONDUITS J. BOXES. INSTALL CERAMIC TILE 5'X130'	650	SF	1.45	943.	1.45	943.	2.90	1885
7 - DEMO TERRAZO ON SERVING LINES REPL. W/QUARRY TILE 12'X130'	1560	SF	1.85	2,887	2.80	4,368	4.65	7,254



COST ESTIMATE

DATE PREPARED  
3-25-86

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

BLDG. 411- PHASE #5

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

SAWYER

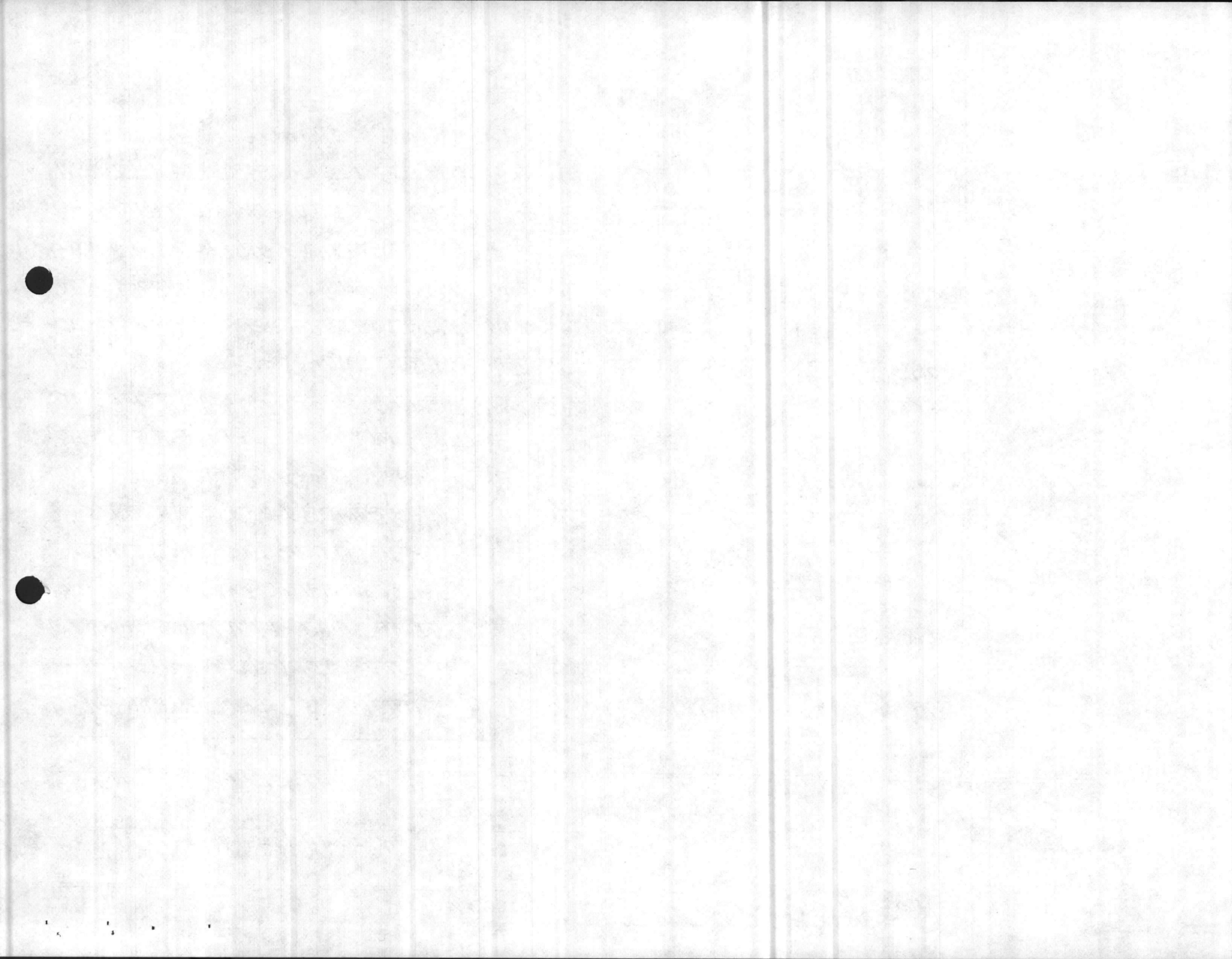
STATUS OF DESIGN

JOB ORDER NUMBER

PED  30%  100%  FINAL  Other (Specify)

RENOVATE MESS HALLS

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
8 REPR PLASTE WALLS BY FURRING	5976	SF	1.20	7,171	.40	2,390	1.60	9,562.
- WWT. INSTALL FIRE RATE PANELING W/CHAIR RAIL & VINYL MAINS COAT TO CEILING, FURR OUT TO ACCOMODATE CONDUIT & OUTLET BOXES (DINING R)								
9- INSTALL 8" WOOD BASE (DINING AREA)	690	LF	.60	414.	.25	173.	.85	587.
10- DEMO & REPL. BUILT UP ROOF W/ 1 PLY RUBBER INSULATE, GRAVEL STOP & GUTTER	5.5	SQ	280.	1,540	120.	660.	400	2,200
11- SUSPEND CEILINGS OFFICERS AREAS	400	SF	.63	252.	.31	124.	.94	376.
12- DEMO CERAMIC TILE HALLS & REPL.	600	SF	1.45	870.	1.45	870.	2.90	1,740
13- DEMO & REPL NON FIRE RATED PANELING	5976	SF			.30	1,791	.30	1,791
14- DEMO & REPL GASKETS ON DOORS FROM GALLEY TO DINING AREA	60	LF	3.75	225.	2.00	120.	5.75	345.
15- PAINT INT. AS APPACABLE, EXT WATER BLAST & REFINISH CONCRETE SURFACES W/ REFINISHER (NO PAINT)	4200	SF	.12	504.	.48	2,016	.60	2,520



# 28

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

**COST ESTIMATE**

DATE PREPARED  
**3-23-86**

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

**11. PHASE # 5**

ESTIMATED BY  
**SAWYER**

CATEGORY CODE NUMBER

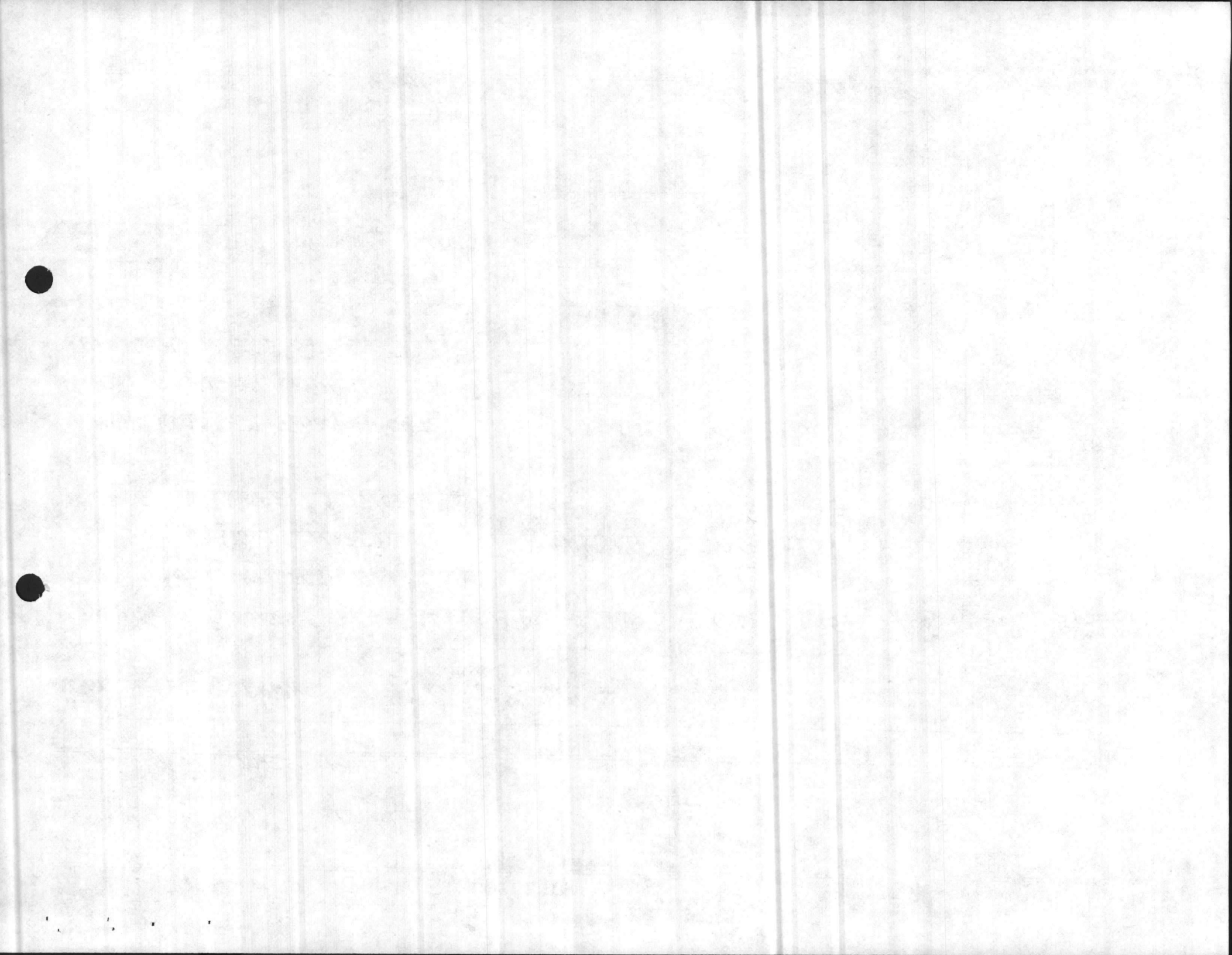
PROJECT TITLE

**RENOVATE MESS HALLS.**

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

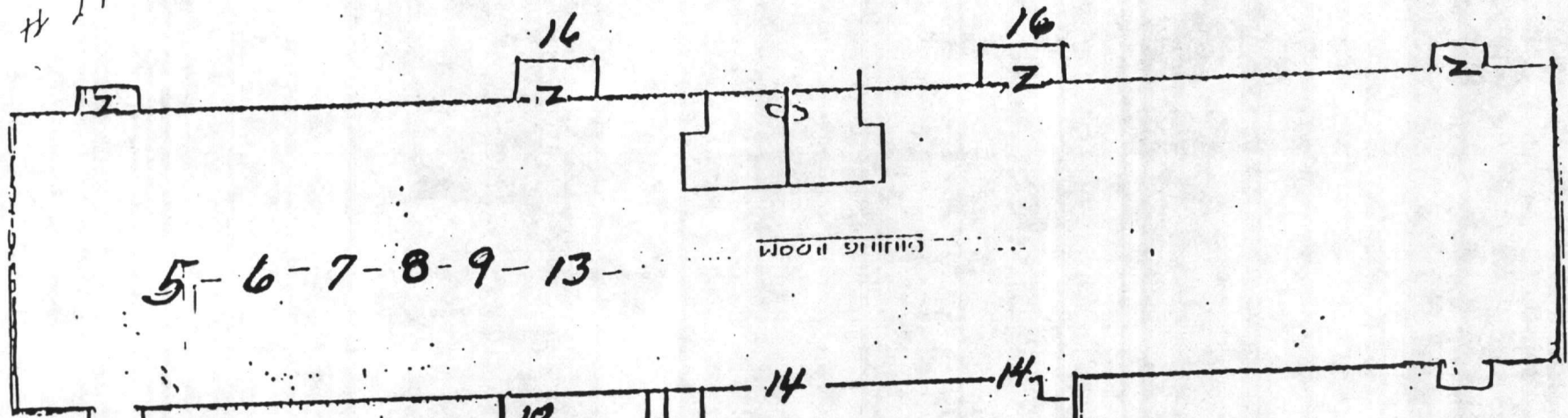
JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
16 - DEMO REPL ENTRANCE STOOPS (AS SHOWN)	2	EA	800	1600	350.	700	1,150	2300
17 - DEMO DECK QUARRY & CERAMIC WALL TILE SCULLERY SECTION	1500	SF	1.45	2,175	1.45	2,175	2.90	4,350
18 - REPL E&T DOORS AS NOTED	1	EA	275.	275	150.	150.	425	425
19 - PREP FACIA & SOFFIT & INSTALL VINYL	1368	SF	.76	1,040	.68	930.	1.44	1,970
20 - REPAIR PLASTER THROUGH OUT GALLEY, OFFICES, STORAGE, HEADS AS NECESSARY	10	SY	5.35	54.	12.05	121.	17.40	174.
<b>TOTAL</b>				<b>6,394.5</b>		<b>38,436</b>		<b>102,381</b>

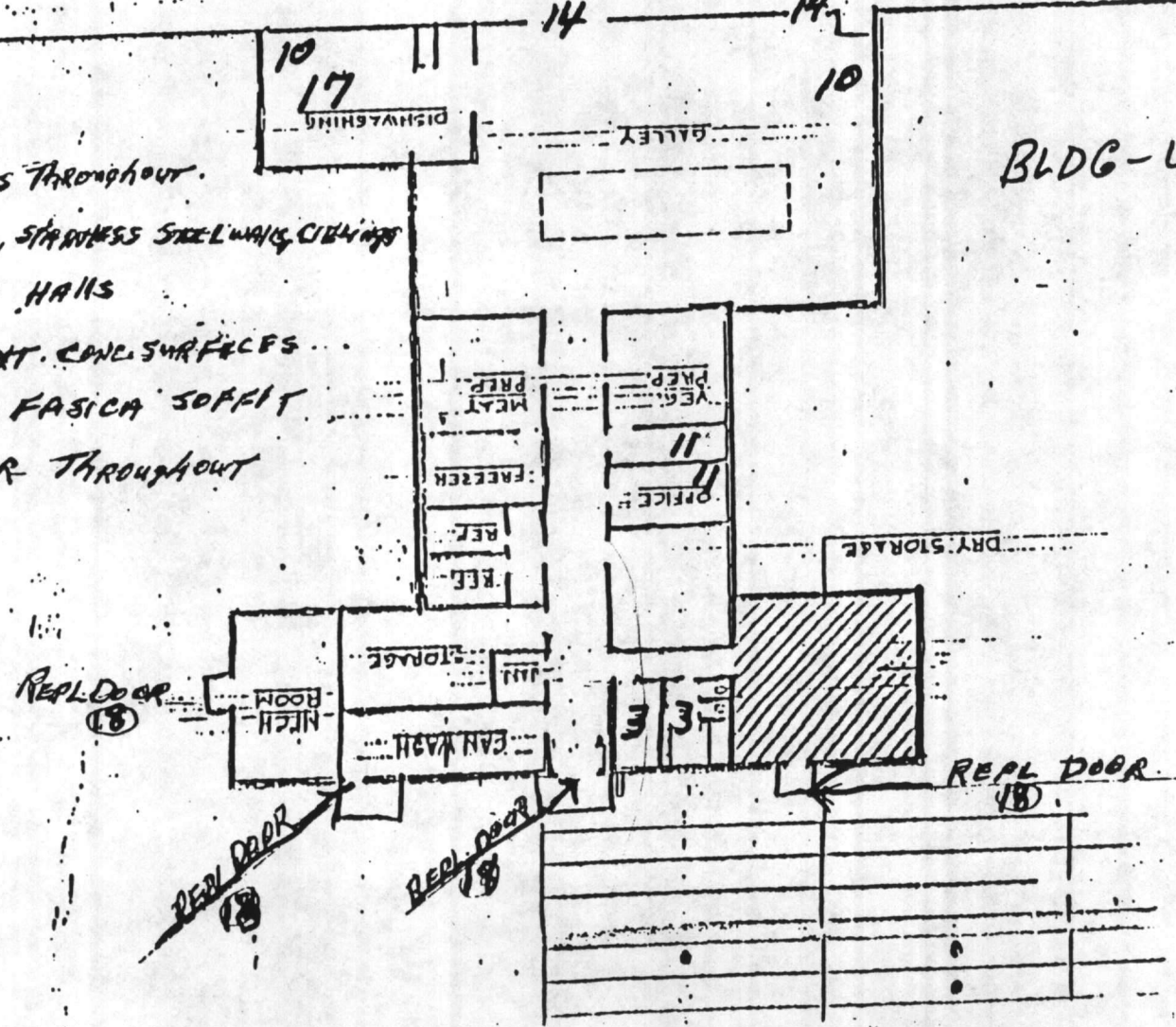


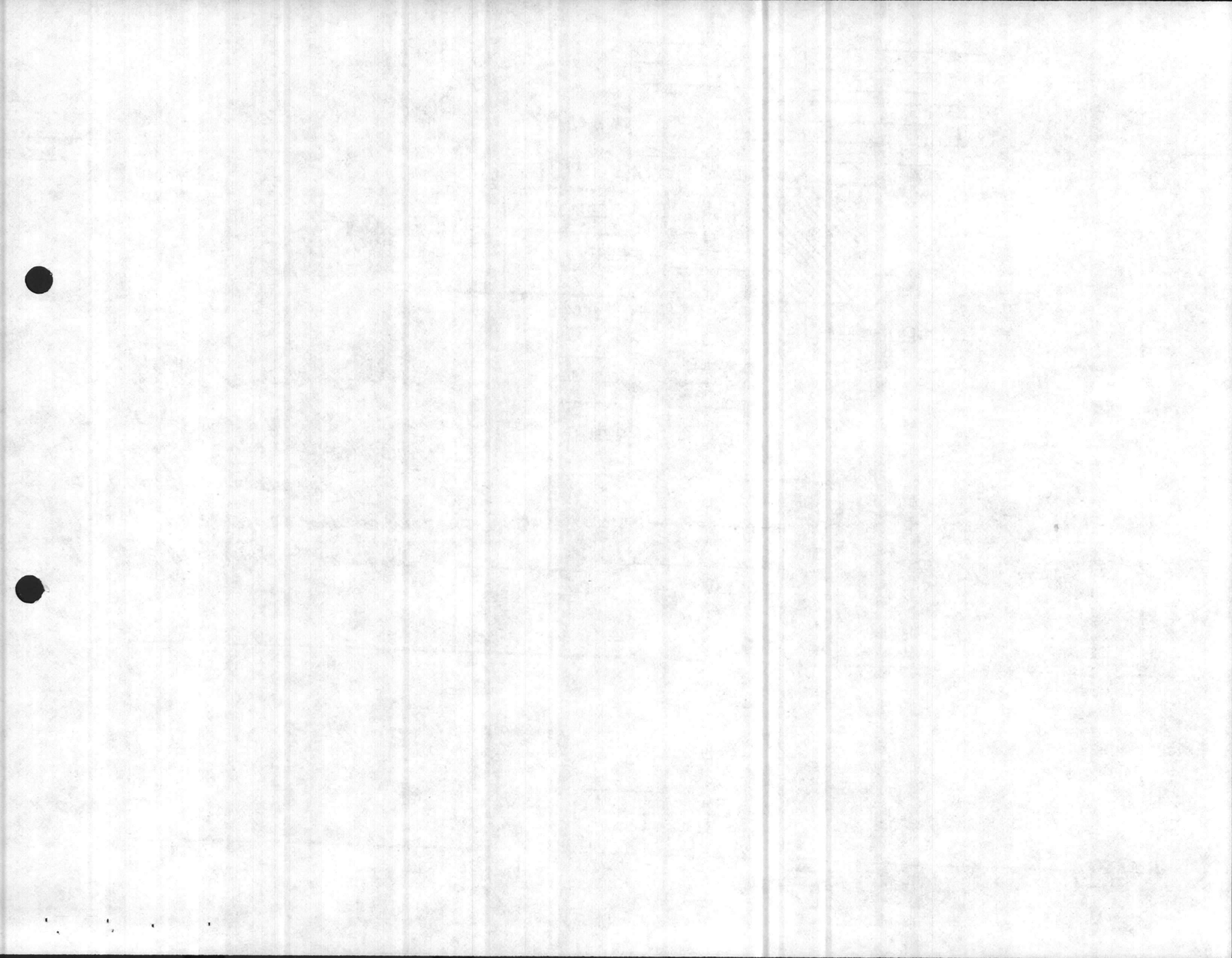


# 29



- 1- DEMO. REPL. WINDOWS THROUGHOUT.
- 4- REPL REEPER DOORS, STAINLESS STEEL WALLS & CEILING
- 12- REPL CERAMIC TILE HALLS
- 15- PAINT INT-EXT. CONCL SURFACES
- 19- INSTALL VINYL FASICA SOFFIT
- 20- REPAIR PLASTER THROUGHOUT





H 30

### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE  
*BLDG. 411*

ESTIMATED BY  
*BLANTON*

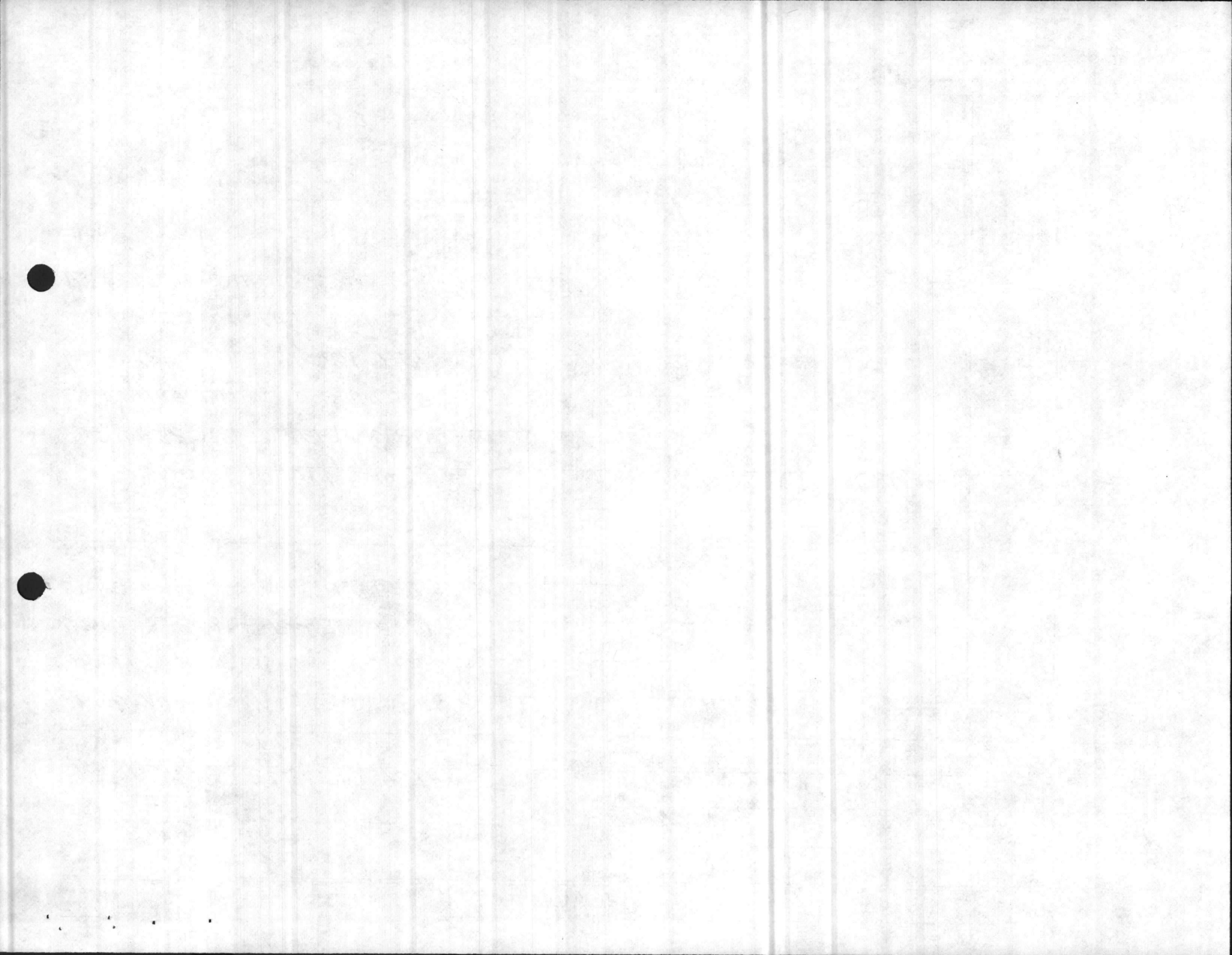
CATEGORY CODE NUMBER

*RENOVATE ELECT SYSTEM*

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
<i>RELOCATE 200 A 3φ BREAKER PANEL &amp; 200 A 3φ CONTACTOR FOR COOKING EQUIP FROM SERVING LINE WALL TO SWITCH GEAR ROOM</i>				<i>200</i>		<i>400</i>		<i>600</i>
<i>REMOVE ALL CONDUIT, WIRE, OUT LET BOXES FROM WALLS. IN DINING ROOM, WALLS TO BE RENOVATED, REINSTALL ALL CONDUIT &amp; OUTLET BOXES RECESS IN DINING ROOM WALLS.</i>				<i>1000</i>		<i>1500</i>		<i>2500</i>



#31

### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

JOB ORDER NUMBER

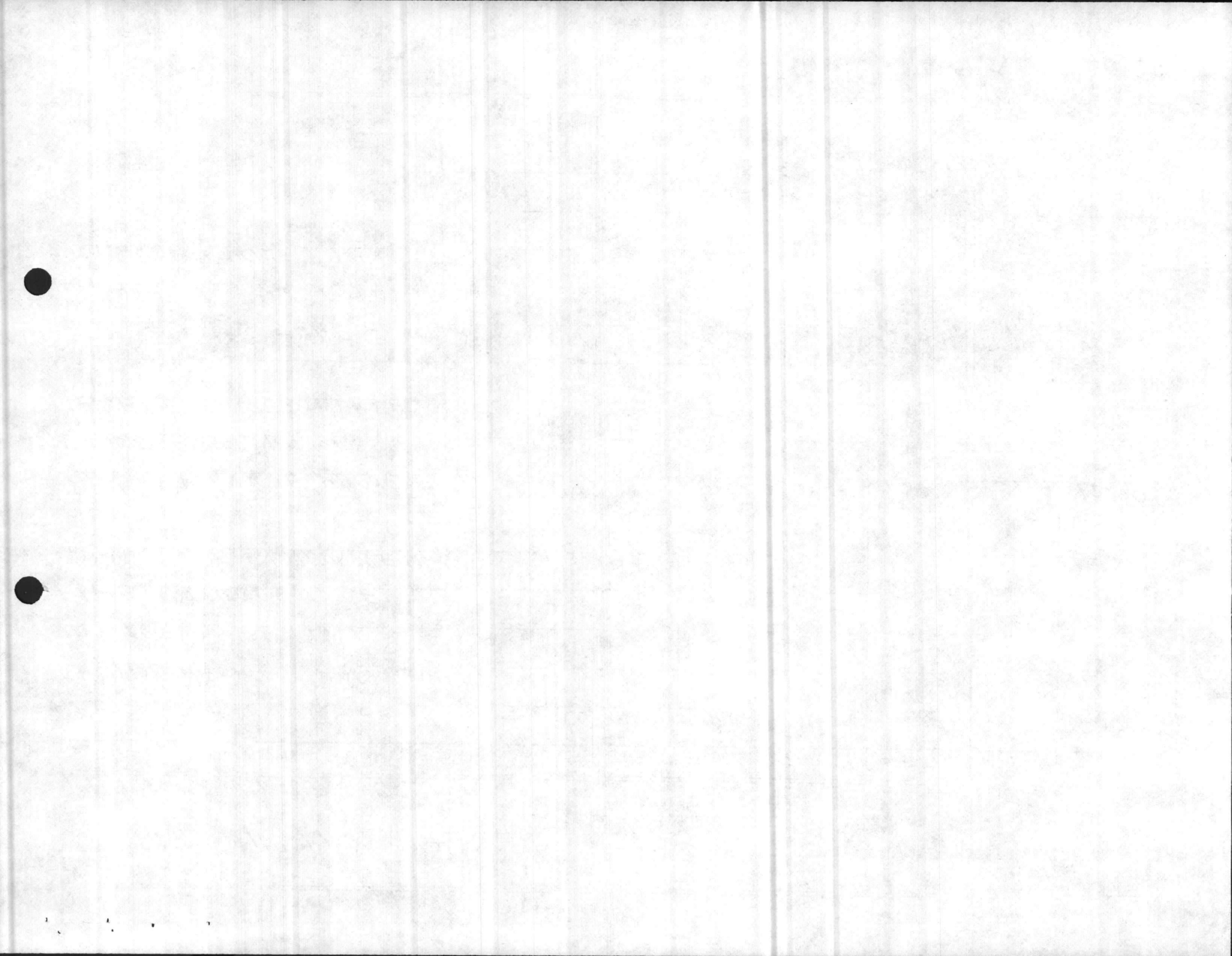
PED  30%  100%  FINAL  Other (Specify)

BLDG. 411. PHASE # 5

BLANTON

RENOVATE ELECT SYSTEM.

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
OFFICE AREAS IN BACK SECTION OF MESS HALL CEILING TO BE REPL. INSTALL FLUOR FIXTURES TO BE COMPATIBLE w/ NEW CEILING				600		300		900
REPL. 4'(2) TUBE VAPOR PROOF FLUOR. FIXTURES IN GALLEY & SCULLERY AREAS		1		9,500		4500		14000
REPL. 4'x2'(3) TUBE FLUOR w/ 4'x2'(4) TUBE LAY IN FLUOR. FIXTURE				7,000		3500		10,500



32

**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

BLDG. 411. PHASE # 5

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

BLANTON

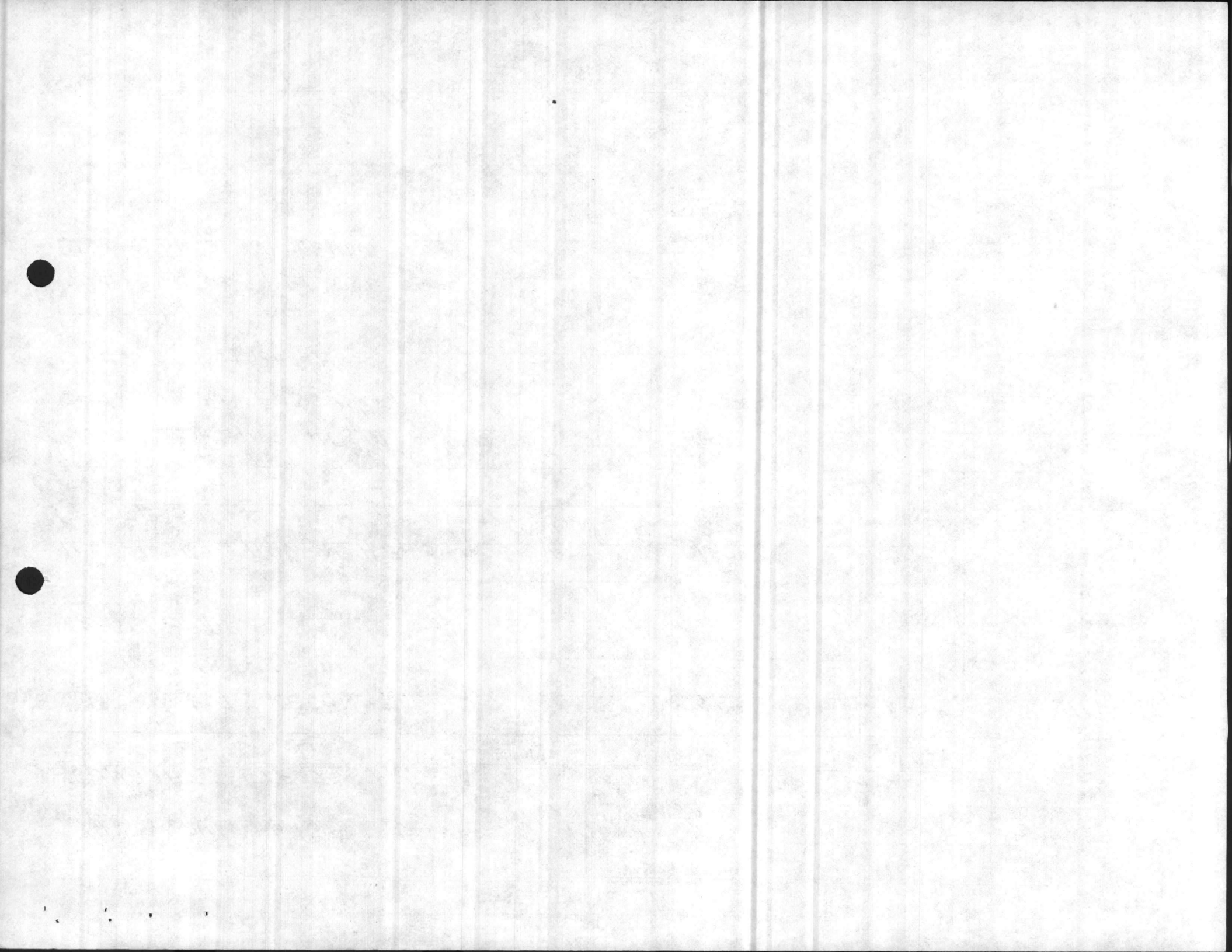
STATUS OF DESIGN

JOB ORDER NUMBER

RENOVATE ELECT SYSTEM.

PED  30%  100%  FINAL  Other (Specify)

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<u>DISCONNECT &amp; RECONNECT SERVING LINE EQUIP FLOOR TO BE REPL.</u>				<u>400</u>		<u>600</u>		<u>1000</u>
<u>INSTALL EA FANS IN HEAD. (4) EA</u>				<u>1600</u>		<u>1000</u>		<u>2600</u>
<u>REMOVE &amp; REINSTALL &amp; RE- CONNECT FLY FANS OVER DOORS TO BE REPLACED</u>				<u>400</u>		<u>400</u>		<u>800</u>
<u>REPLACE ALL DAMAGE TO BLDG CAUSE BY RENOVATION</u>				<u>500</u>		<u>1000</u>		<u>1500</u>
<u>TOTAL</u>				<u>21,200</u>		<u>13,200</u>		<u>34400</u>





**COST ESTIMATE**

DATE PREPARED  
**7.30.86**

SHEET **1** OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

**HUFFMANN**

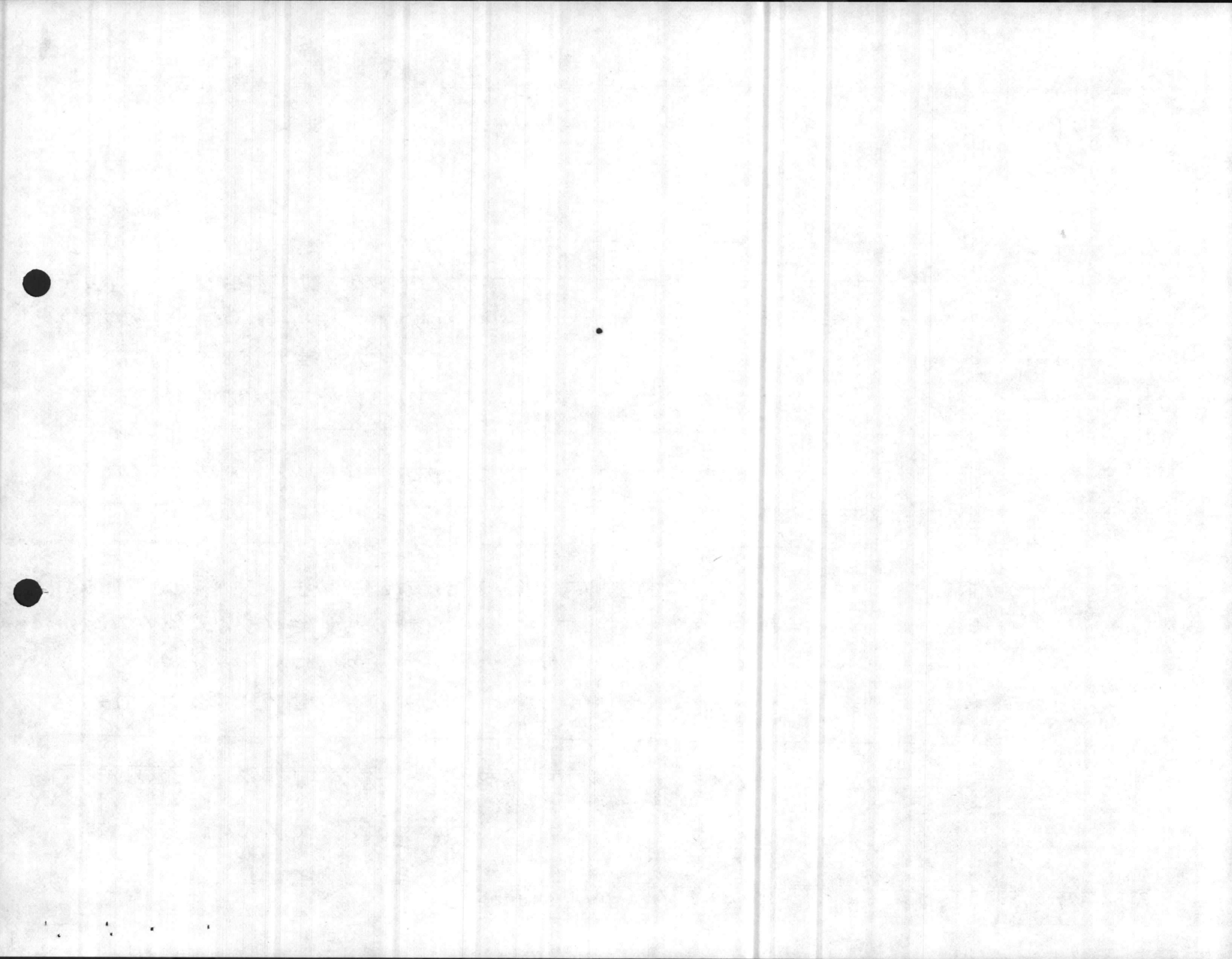
STATUS OF DESIGN

JOB ORDER NUMBER

PED  30%  100%  FINAL  Other (Specify)

**411- PHASE #5**  
**RENOVATE MESS HALLS. (MECH)**

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
HEADS NEAR STORAGE ROOM				2250		1200		3450
LOADING RAMP REMOVE ALL PLUMBING FIXTURES & SHOWER STALLS FOR NEW FLOOR & WALLS TILE. REPLACE PLUMBING FIXTURES & TRIM. REPLACE SHOWER STALLS W/ MASONRY & CERAMIC SHOWERS.								
REPL & SECURE MISSING FLOOR DRAINS & CLEAN OUT COVERS THROUGHOUT BLDG.				500		600		1100
REPL SCULLERY DISHWASHER FLOOR DRAIN INCLUDING P TRAP								



**COST ESTIMATE**

DATE PREPARED

SHEET 2 OF

ACTIVITY AND LOCATION

411 PHASE-5

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

HUFFMAN

CATEGORY CODE NUMBER

PROJECT TITLE

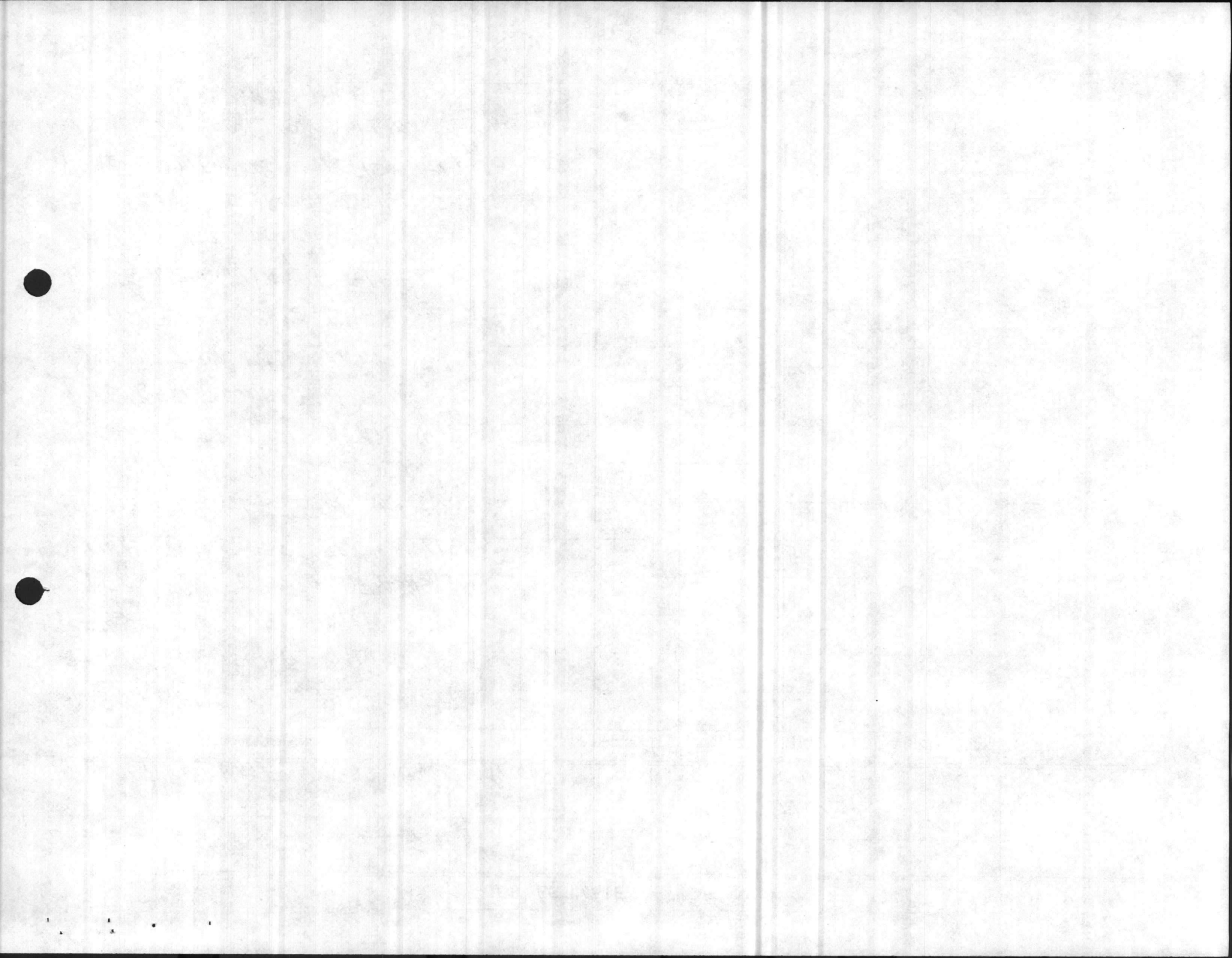
RENUATE MESS HALL (MECH)

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
IN SCULLERY ROOM DISCONNECT AND RECONNECT FOR TILE REPLACEMENT ALL WATER, STEAM, CONDENSATE, DRAINS, EXHAUST DUCKS TO SCULLERY EQUIP.						500		500
IN SERVING LINE AREA (ALL SERVING LINES) DISCONNECT AND RECONNECT FOR FLOOR AND WALL TILE REPLACEMENT AND/OR INSTALLATION ALL WATER STEAM, CONDENSATE, DRAINS, DUCK WORK, ANSUL FIRE SYSTEM, EXTEND ALL PIPING AS REQUIRED THROUGH BUILDING FOR EQUIPMENT CONNECTIONS, AND/OR WALL AND FLOOR REPAIRS, EXTENSION, OR FURRED						1200		1200



**COST ESTIMATE**

DATE PREPARED

SHEET **3** OF

ACTIVITY AND LOCATION

**411 PHASE-5**

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

**HUFFMAN**

CATEGORY CODE NUMBER

PROJECT TITLE

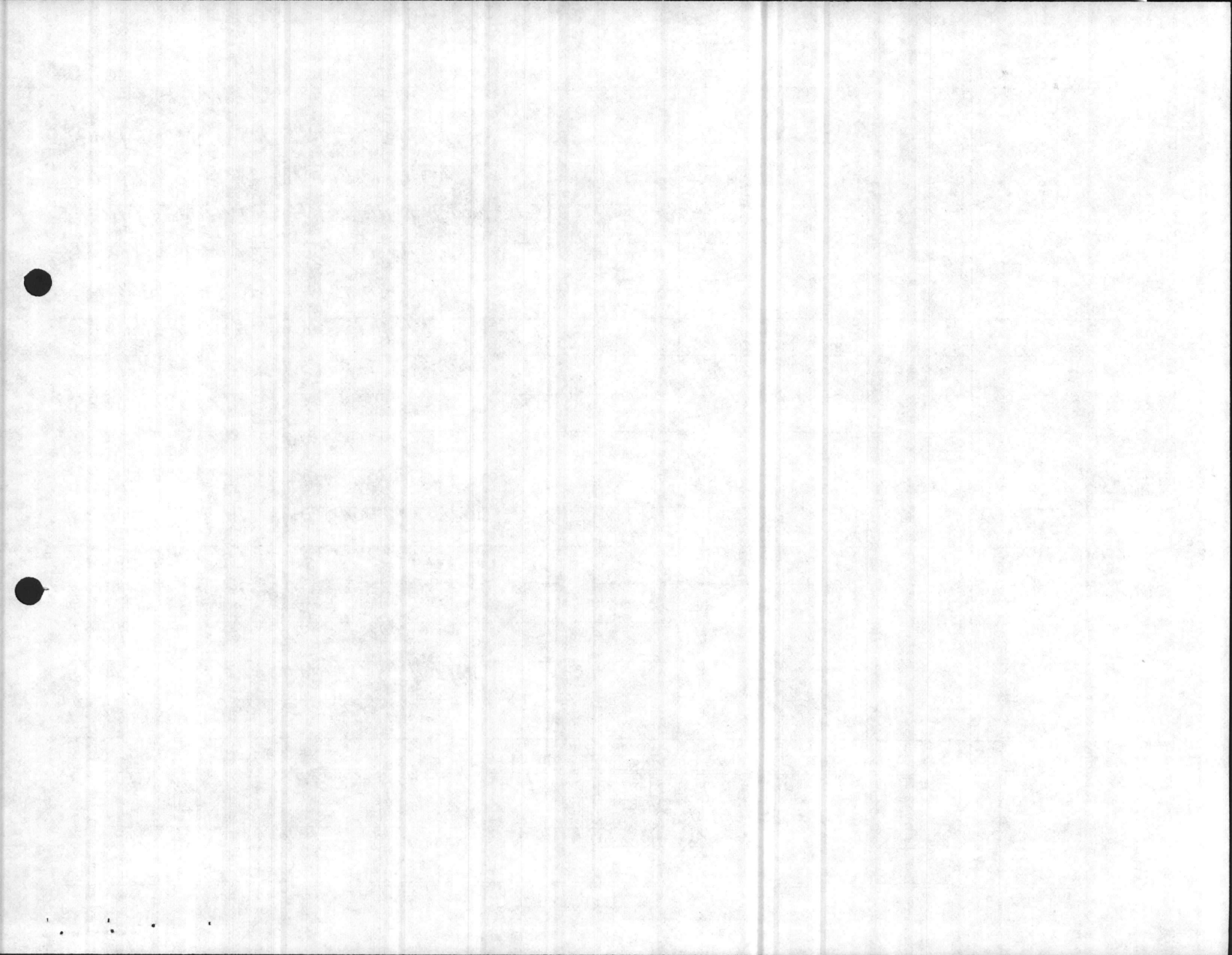
**RENOVATE MESS HALL (MECH)**

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
IN HEADS ON MESS DECK EXTEND HEATING AND A.C. SUPPLY AND RETURN AIR DUCTS AND GRILLS FROM EXISTING SYSTEM.				400		800		1,200
MESS DECK AREA REPLACE ALL HEATING AND A.C. GRILLS AND REGISTERS ON ROOF REPLACE ALL EXHAUST FANES OVER GALLEY AND SERVING LINES.				4,000		700		4,700
SCULLERY ROOF REPLACE EXHAUST FAN OVER DISHWASHER AND INCREASE SIZE AND VOLUME.				9,500		2,000		11,500
IN OFFICES, VEG. PREP, HEADS MEAT PREP. AREAS REMOVE EXISTING RADIATORS AND WINDOW A.C. UNITS AND INSTALL CENTRAL HVAC SYSTEM COMPLETE				1,600		500		2,100
				12,000		6,000		18,000



**COST ESTIMATE**

DATE PREPARED

SHEET 4 OF

ACTIVITY AND LOCATION

411 PHASE-5

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

HUFFMAN

CATEGORY CODE NUMBER

PROJECT TITLE

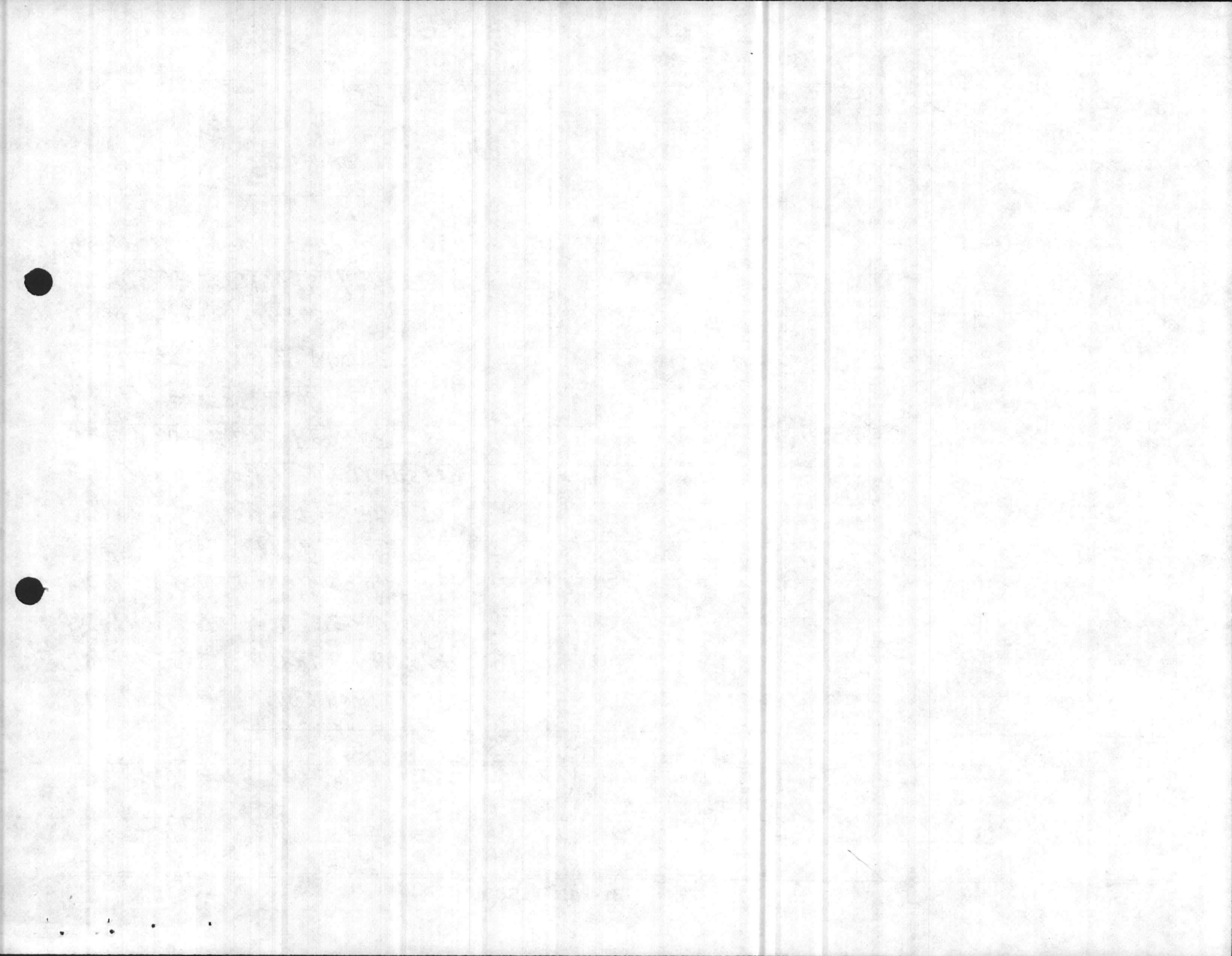
RENOVATE MESS HALLS (MECH)

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
TO INCLUDE AIR HANDLER, A.C. CONDENSERS, COMPRESSORS, STEAM HEATING COIL, INSULATED DUCT, PIPING, CONTROLS, WIRING, ECT. IN (3) OLD WALK IN COOLERS REMOVE, REHANG, RECONNECT EVAPORATOR FAN COIL UNITS FOR WALL AND CEILING REPAIR.						1200		1200
REPLACE EXTERIOR A.C. DUCT INSULATION WITH WATERTIGHT INSULATION (2) UNITS.				850		1550		2400
INSULATE CEILINGS ABOVE AREA OF NEW CENTRAL HUAC.								
<b>BASIC TOTAL</b>				<b>31,100</b>		<b>16,250</b>		<b>47,350</b>





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

508 PHASE 1

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

HUFFMAN

CATEGORY CODE NUMBER

PROJECT TITLE

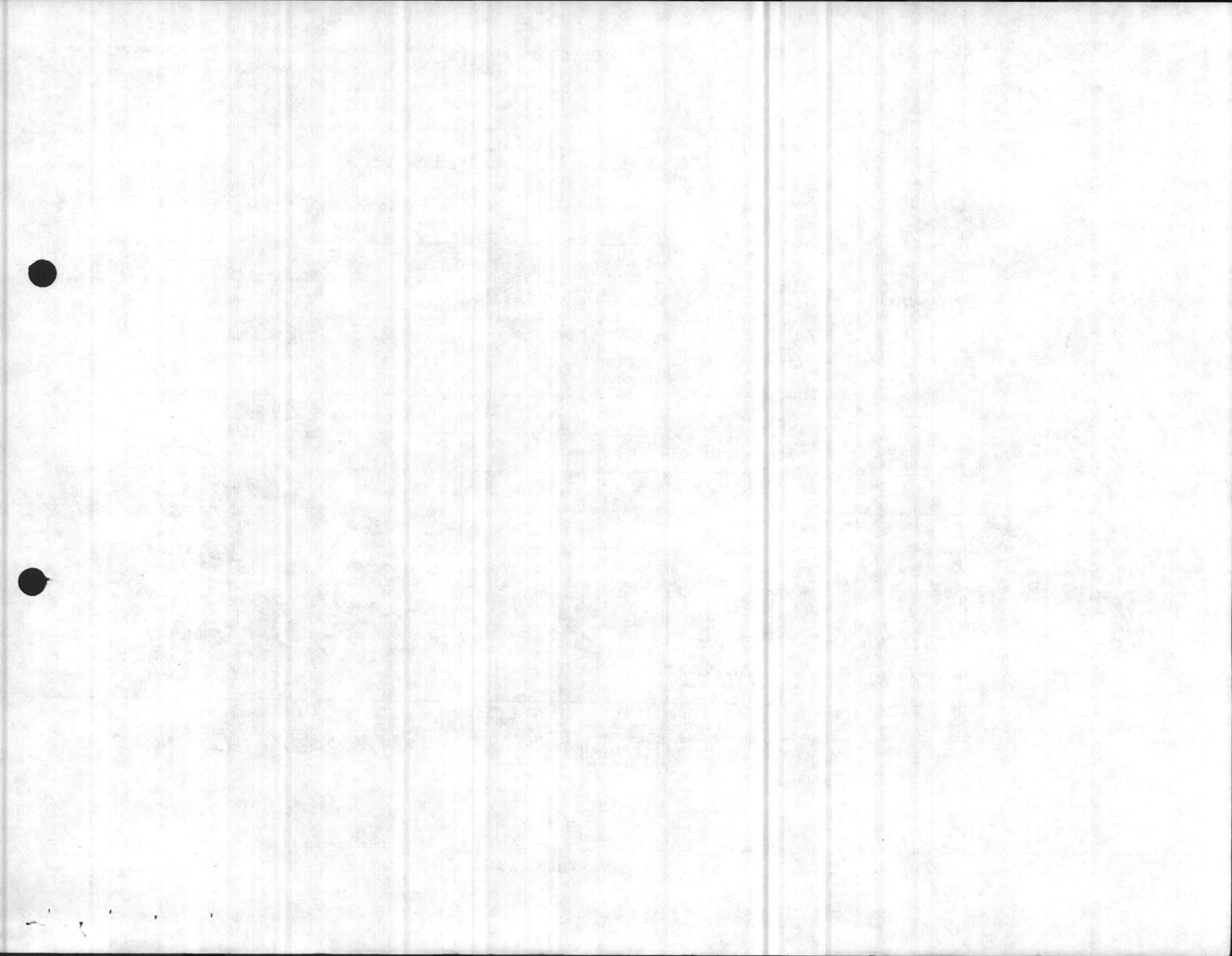
RENOVATE MESS HALLS

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
STRUCTURAL				22,914		14,174		37,090
BASIC TOTAL				22,914		14,174		37,090
OVER HEAD 15%								5,564
LABOR 18%								2,551
MATERIAL 4.5%								1,031
SUB TOTAL								46,236
PROFIT 10%								4,624
SUB TOTAL								50,860
BOND 1%								509
SUB TOTAL								51,369
							Rounded	51,400



(17)

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

### COST ESTIMATE

DATE PREPARED  
3-21-86

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

BLDG-508 PHASE #1

ESTIMATED BY  
SAWYER

CATEGORY CODE NUMBER

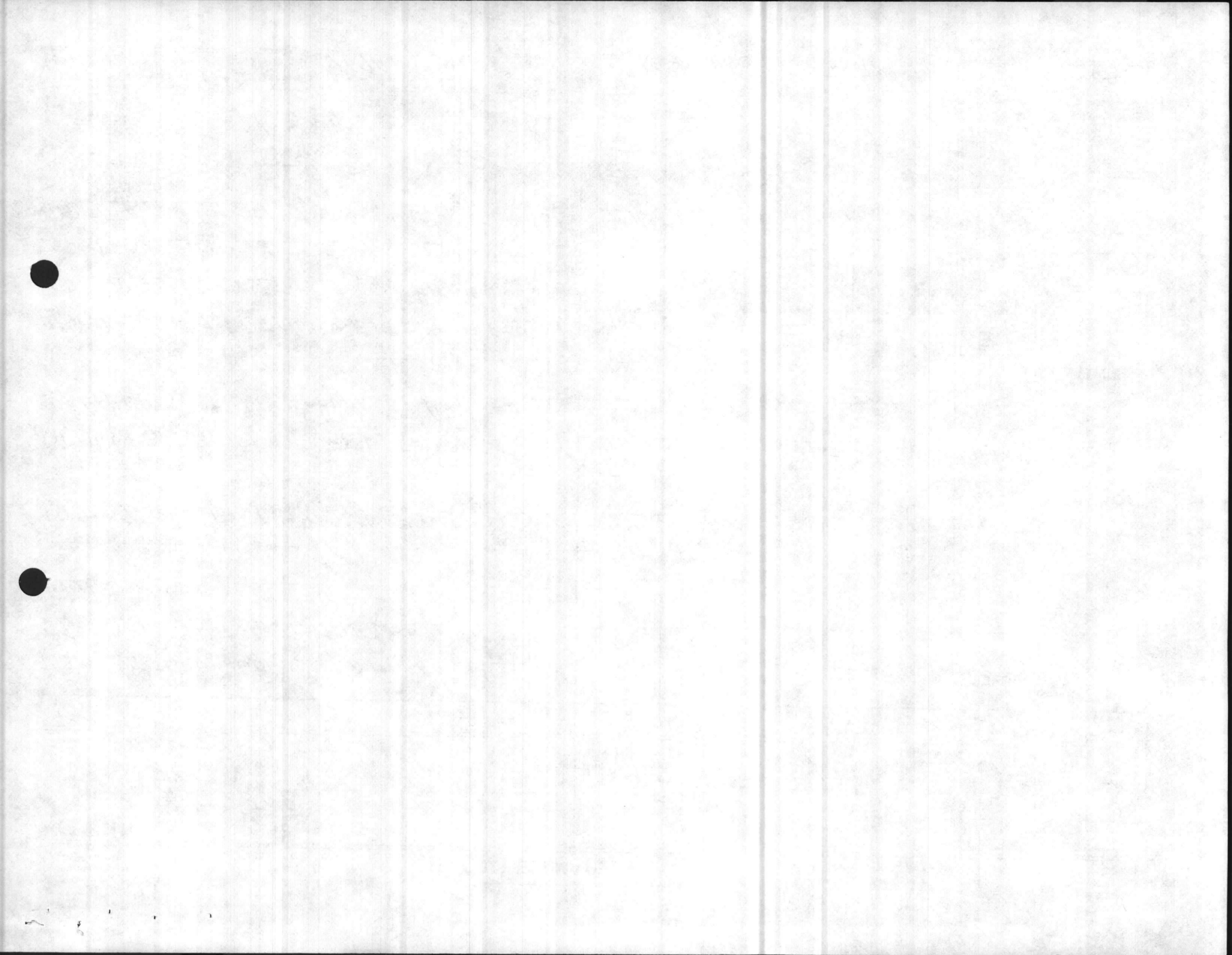
PROJECT TITLE

RENOVATE MESSHALLS.

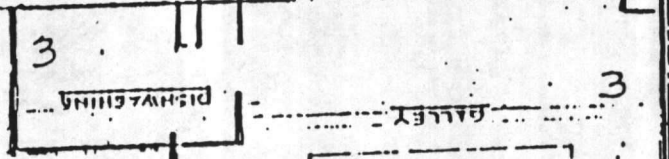
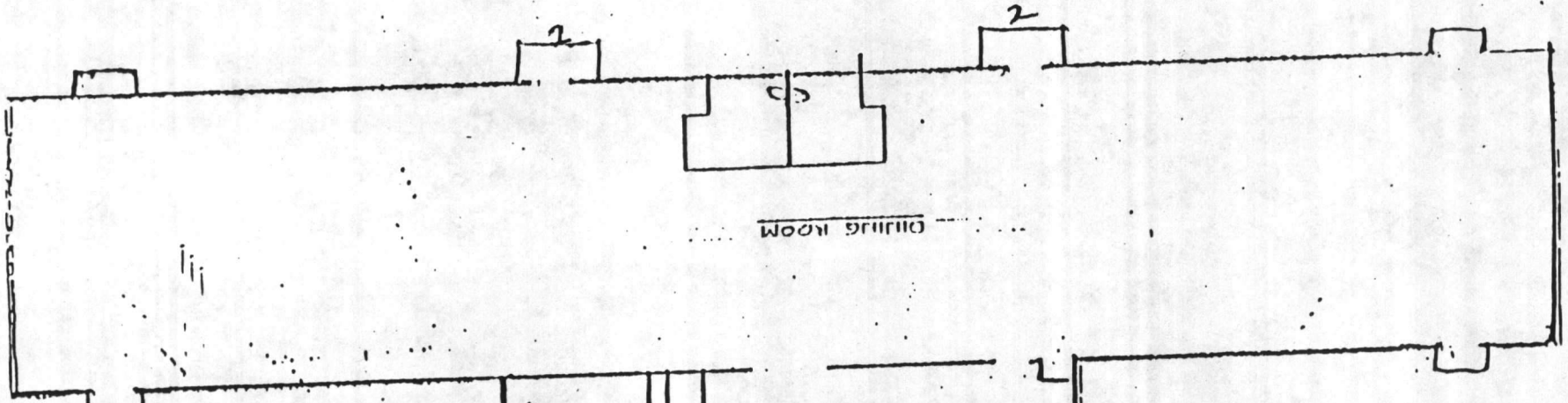
STATUS OF DESIGN  
 PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
1 DEMO & REPL WINDOWS w/ MODERN STATE OF THE ART THERMO PANE WINDOWS.	140	EA	130	18200	76	10640	208	28840
2- DEMO & REPL ENTRANCE STOOPS (CONC)	2	EA	900	1800	300	600	1200	2400
3 DEMO & REPL BUILT UP ROOF w/ 1 PLV NEOPRENE, INSUL. & GRAVEL STOP	5.5	SQ	280	1540	120	660	400	2200
4 WATER BLAST & REFINISH EXT. CONC SURFACES w/ RENEWZIT CONC FINISH	2800	SF.	.12	336	.48	1344	.60	1680
5 PREP FACIN & SOFFIT, INSTALL VINYL.	1368	SF.	.76	1040	.68	930	1.44	1970
<b>TOTAL</b>				<b>22,916</b>		<b>14,174</b>		<b>37,090</b>

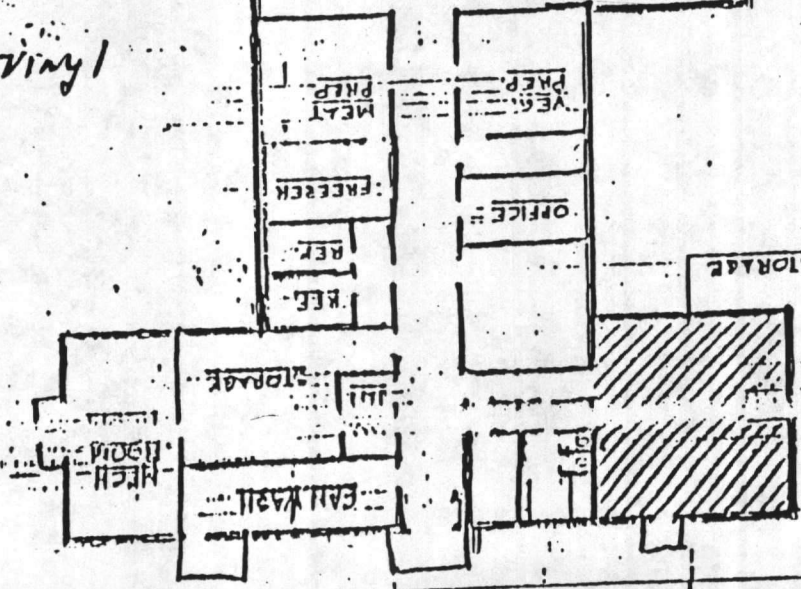


2.  
CONSULT COST EST. FOR DESIRED WORK AT EA. NUMBERED LOCATION

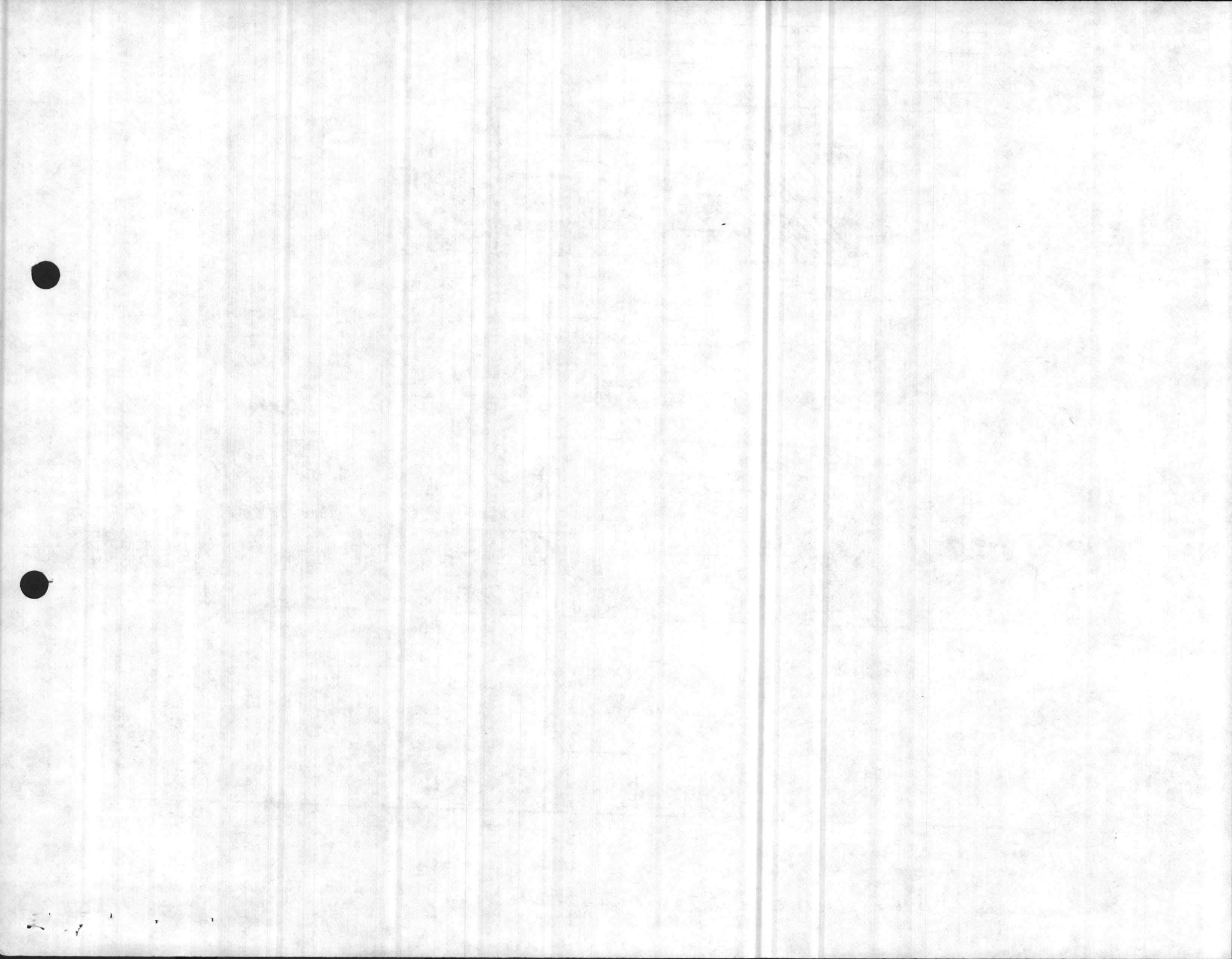


BLDG-508

- 1- REPL. WINDOWS THROUGHOUT
- 4- RE FINISH CONC. SURFACES
- 5- PREP FACIA SOFFIT INSTALL VINYL



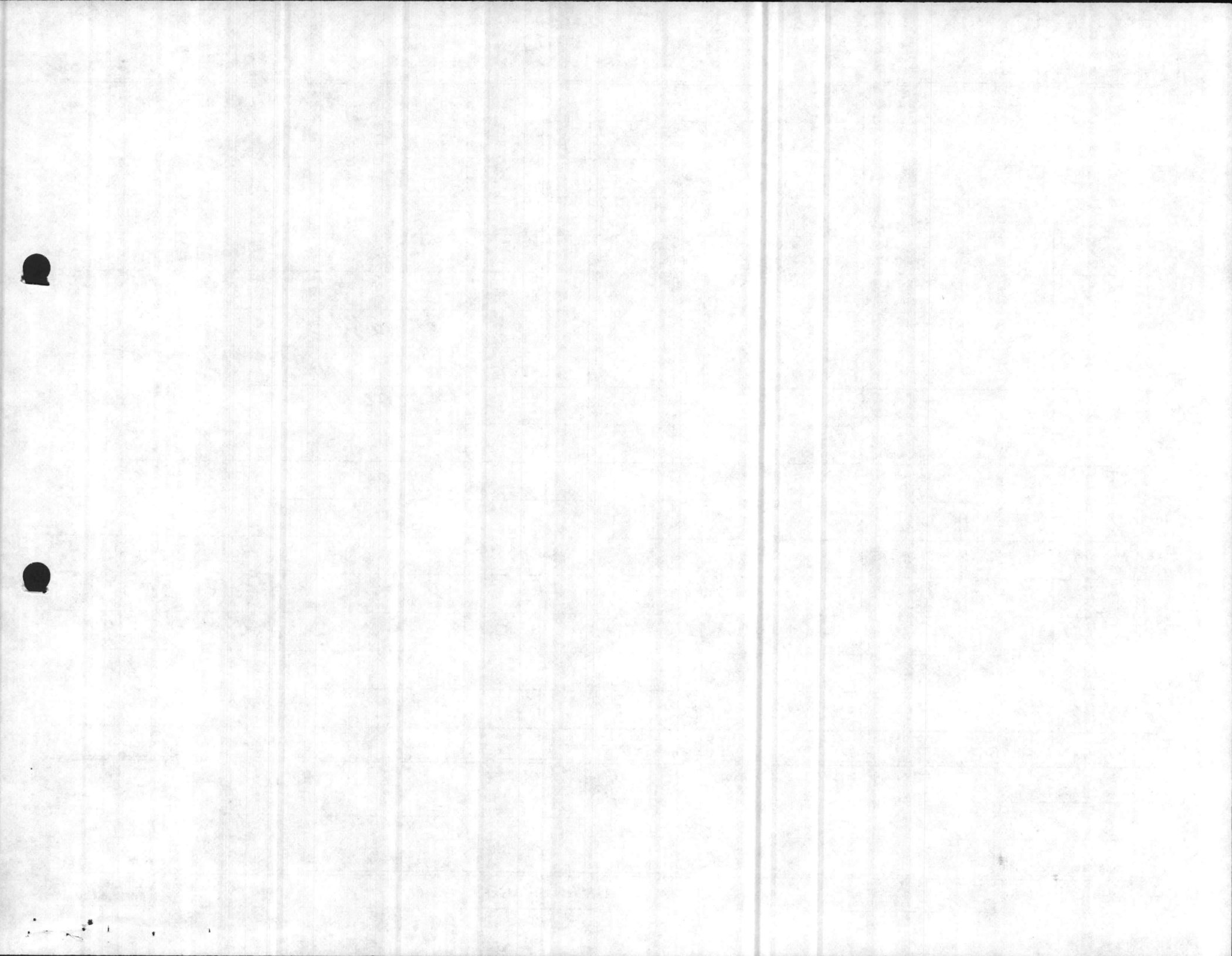
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3  
3



Phase # 6

NAVFAC 11013/7 (1-78) Supersedes NAVDOCKS 2417 and 2417A		<b>COST ESTIMATE</b>		DATE PREPARED 10-29-86	SHEET _____ OF _____
ACTIVITY AND LOCATION MCB CAMP LEJUNE - G-640		CONSTRUCTION CONTRACT NO.		IDENTIFICATION NUMBER	
PROJECT TITLE INT + EXT REPAIRS		ESTIMATED BY Huffman		CATEGORY CODE NUMBER	
		STATUS OF DESIGN <input type="checkbox"/> PED <input type="checkbox"/> 30% <input type="checkbox"/> 100% <input type="checkbox"/> FINAL <input type="checkbox"/> 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
STRUCTURAL				99,255		91,853		191,108
ELECTRIC				48,916		33,249		82,165
MECHANICAL				98,040		30,800		128,840
SUBTOTAL				246,211		155,902		402,113
OVERHEAD	15	%						60,317
LABOR	18	%						28,062
MATERIAL	5	%						12,311
SUBTOTAL								502,803
PROFIT	10	%						50,280
SUBTOTAL								553,083
Bond	1	%						5,531
SUBTOTAL								558,614
								# 559,000
								Rounded Total





**COST ESTIMATE**

DATE PREPARED  
10-15-86

SHEET 1 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify)

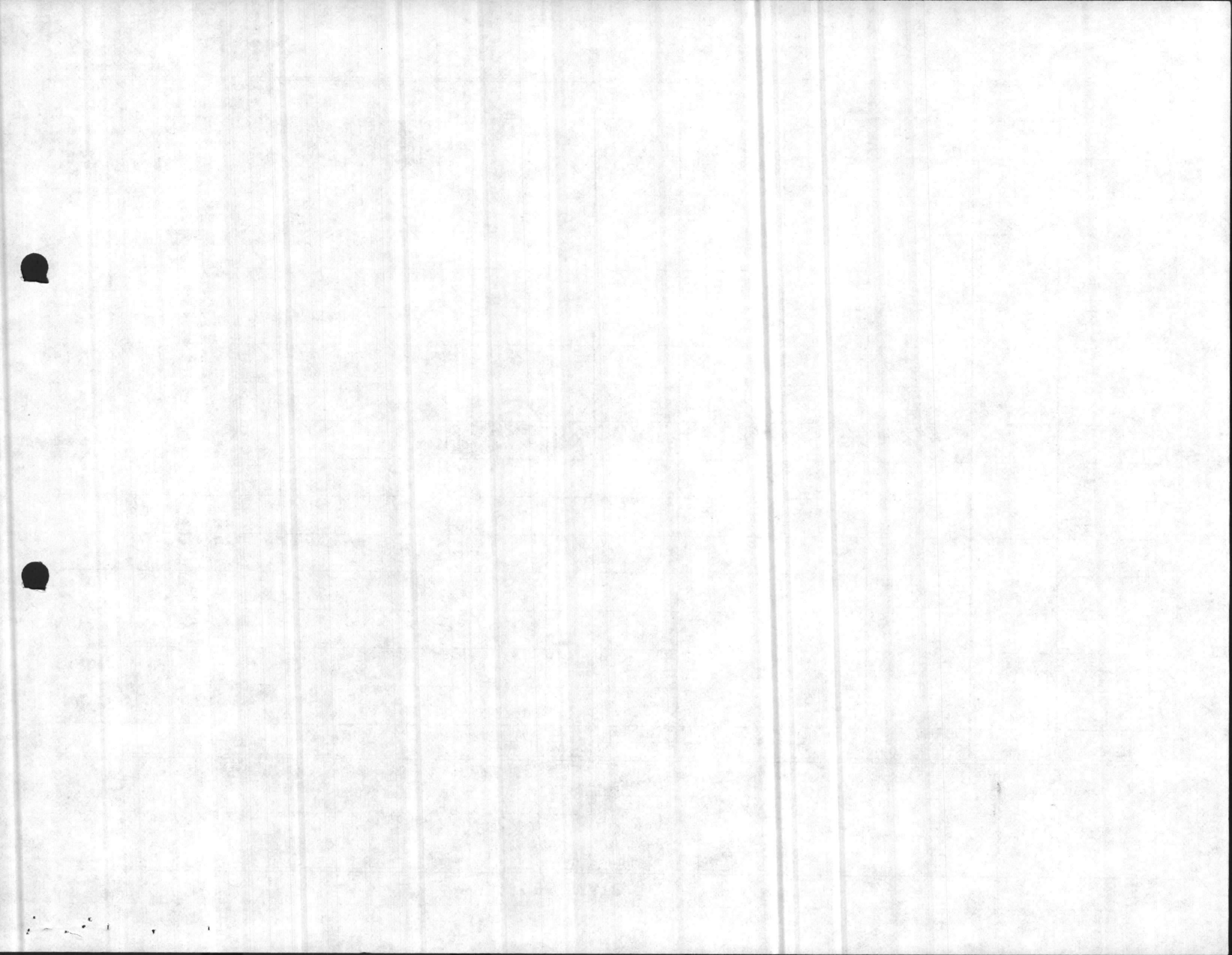
JOB ORDER NUMBER

MCB, CINC G-640

MORRIS

INT. & EXT. Repairs M-2

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
INT.								
1) Replace Existing 2x4 Suspended Ceiling with 2x2 Ceiling in Dining Area, Bathroom Area, & Repair ceiling in Bakery Area with Suspended Ceiling. (Approx 24,000 SF)	24,000	SF	1.15	27,600	.68	16,320		43,920
2) Replace Quarry Tile Floor Complete in Dishwashing Area and 2 Scullery Areas in Dining Room sections (Approx 2,000 SF)	2,000	SF	2.10	4,200	2.36	4,720		8,920
3) AT ENT. TO Dining Room Through Double Glass Doors, Replace Existing Matting with Quarry Tile (7 Locations)	600	SF	2.10	1,260	2.36	1,416		2,676



**COST ESTIMATE**

DATE PREPARED  
16-15-86

SHEET 2 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

MCB, CLNC G-640

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

MORRIS

JOB ORDER NUMBER

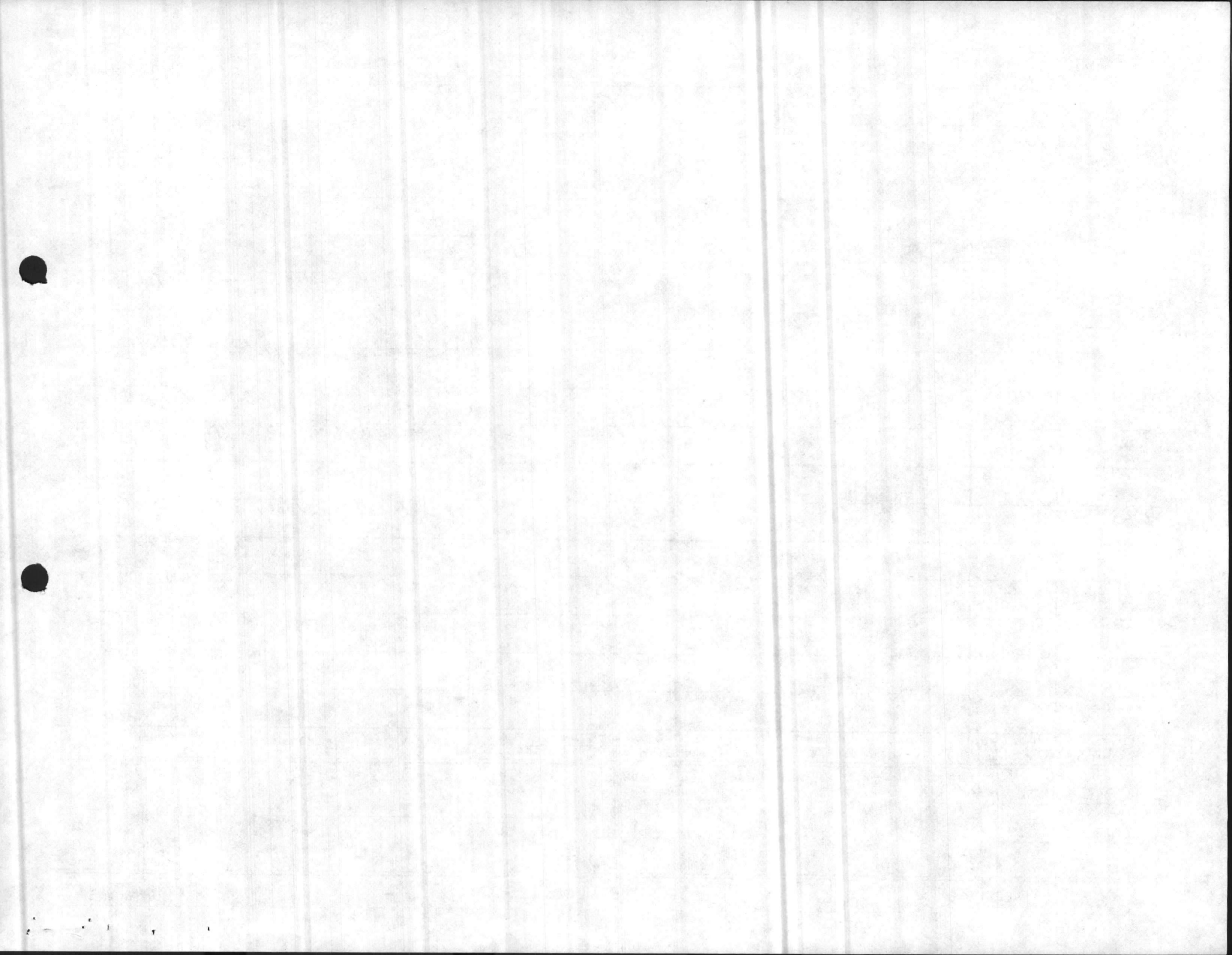
INT. & EXT. Repairs

M-2

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
INT.								
4) Dish Washing Area, 2 Scullery Areas in Dining Room, Replace Glazed Block wall with Ceramic Tile (Approx 1600 SF)	1600	SF	1.30	2,080	1.57	2,512		4,592
5) Replace Plaster Ceiling in Scullery Area in Dining Area 2 Locations, Dish Washing Area. & Repair Plaster on Ceiling & Wall Throughout Mess Hall. (Approx 4000 SF)	445	SY	4.75	2,114	18.10	8,055		10,169



**COST ESTIMATE**

DATE PREPARED  
10-15-86

SHEET 3 OF 7

ACTIVITY AND LOCATION

MCB, CLNC G-640

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

ESTIMATED BY

Morris

CATEGORY CODE NUMBER

PROJECT TITLE

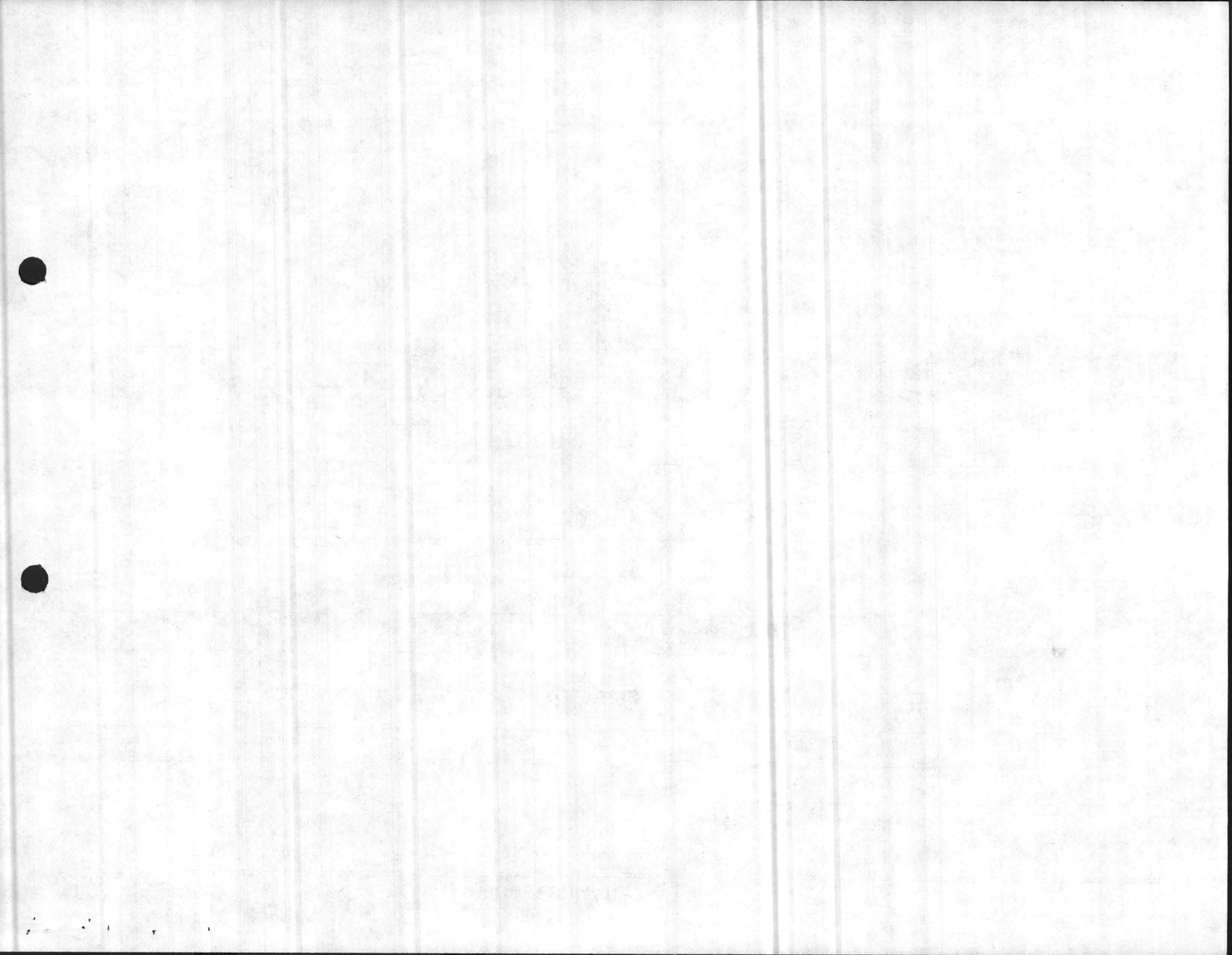
INT & EXT. Repairs M-2

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
INT.								
6) Replace Existing Floor Tile with 12x12 Floor Tile in Manager's office & Catering Workers office (1,100 SF)	1,100	SF	1.71	1,881	.50	550		2,431
7) Repair walls in workers office with Fire Rated Paneling (7,500 SF)	7,500	SF	.80	6,000	.80	6,000		12,000
8) Repair Quarry Tile in Hallway, and All Kitchen Area (4,000 SF)	4,000	SF	2.10	2,100	2.36	2,360		4,460
9) Repair ceramic tile walls in all kitchen area (1,000 SF)	1,000	SF	1.30	1,300	1.57	1,570		2,870



**COST ESTIMATE**

DATE PREPARED  
10-15-86

SHEET 4 OF 7

ACTIVITY AND LOCATION

MCB, CINC G-640

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

MORRIS

CATEGORY CODE NUMBER

PROJECT TITLE

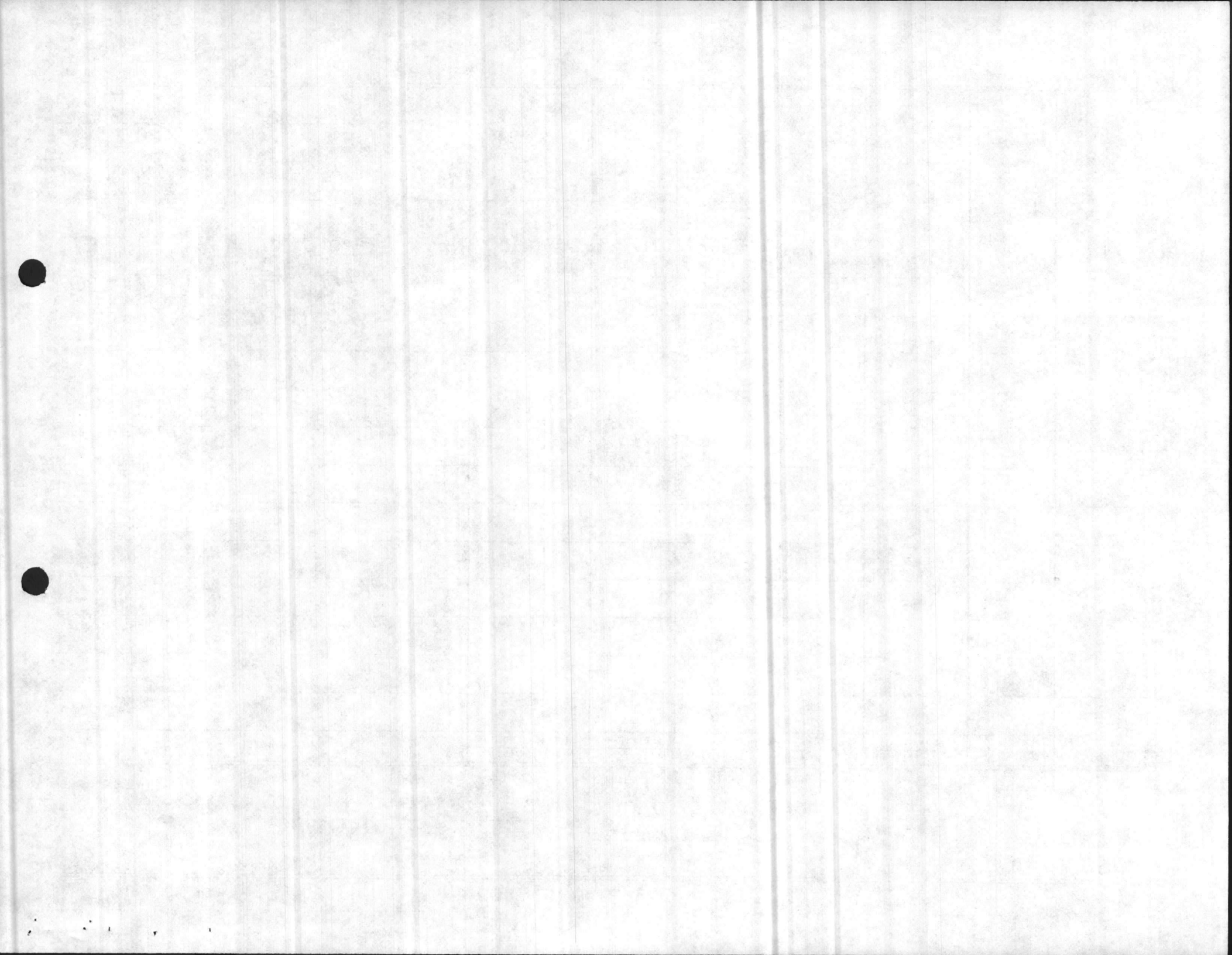
INT & EXT. Repairs M-2

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
INT.								
10) Clean, Strip, patch & Reseal, Terrazzo Floor in Dining Area.				4,000		8,000		12,000
11) Replace Existing Bathroom Partitions with New Alum Type Doors & Partitions. (10 STALLS)	10	EA	150	1,500	75	750		2,250
12) Replace All Interior Doors, Jambs, with New preHung Door, Jambs & Hard Ware.	10	EA	250	2,500	75	750		3,250
13) Replace Rubber baseboard Throughout Bldg	1,000	LF	.52	520	.50	500		1,020





**COST ESTIMATE**

DATE PREPARED  
10-15-86

SHEET 5 OF 7

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

PROJECT TITLE

MCB, CMC G-640

ESTIMATED BY

MORRIS

CATEGORY CODE NUMBER

STATUS OF DESIGN

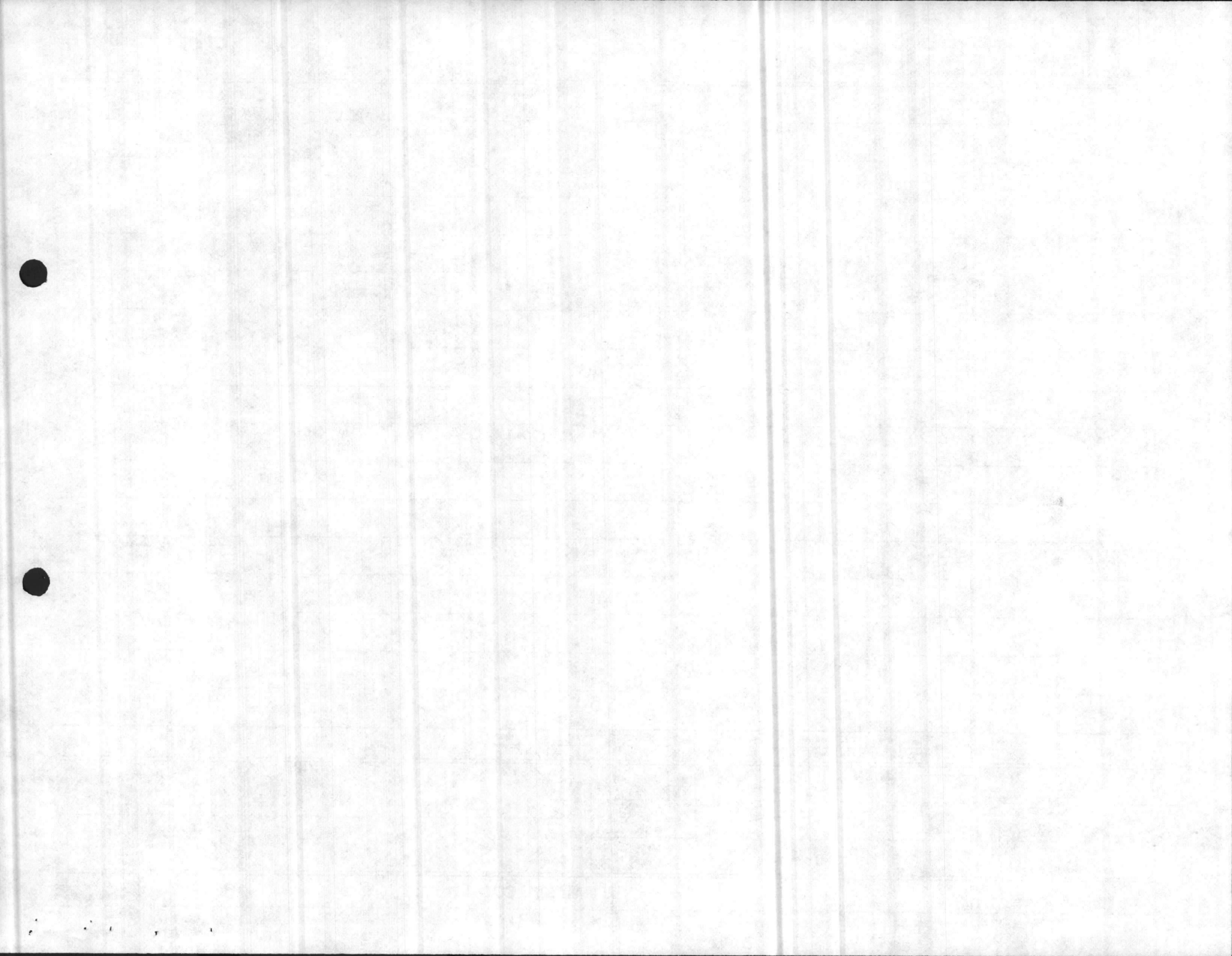
PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

JOB ORDER NUMBER

INT & EXT Repairs

M-2

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
INT								
14) Replace Vertical V. Blinds in Dining Area Throughout Approx 100 EA	100	EA	175.	17,500	75.	7,500		25,000
15) Paint INT. of walls, ceiling, doors & trim 2 coats.	8,000	SF	.10	800.	.30	2,400		3,200



**COST ESTIMATE**

DATE PREPARED

10-15-86

SHEET 6 OF 7

ACTIVITY AND LOCATION

MCB CINC G-640

CONSTRUCTION CONTRACT NO.

ESTIMATED BY

MORRIS

IDENTIFICATION NUMBER

CATEGORY CODE NUMBER

PROJECT TITLE

INT. & EXT Repairs

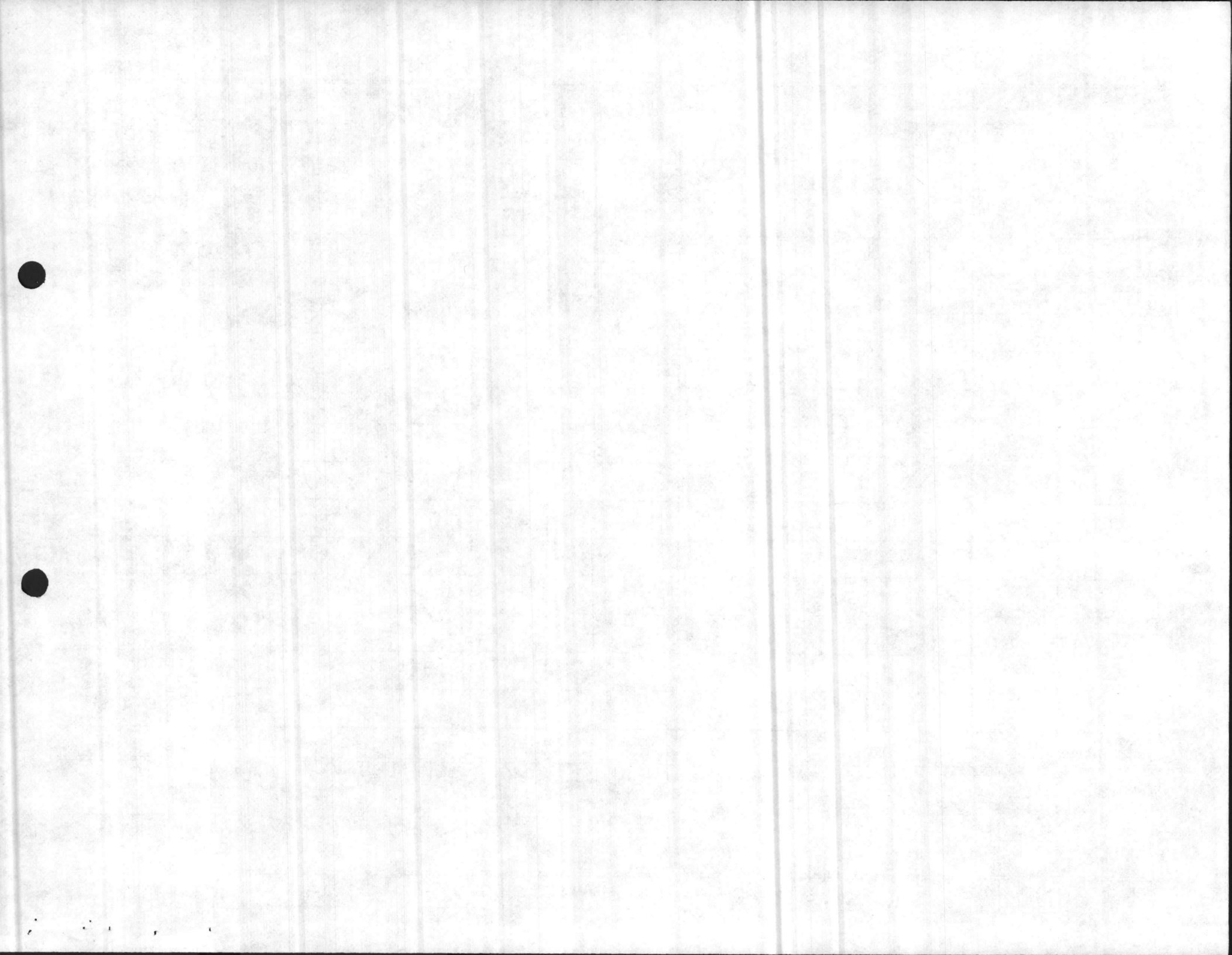
M-2

STATUS OF DESIGN

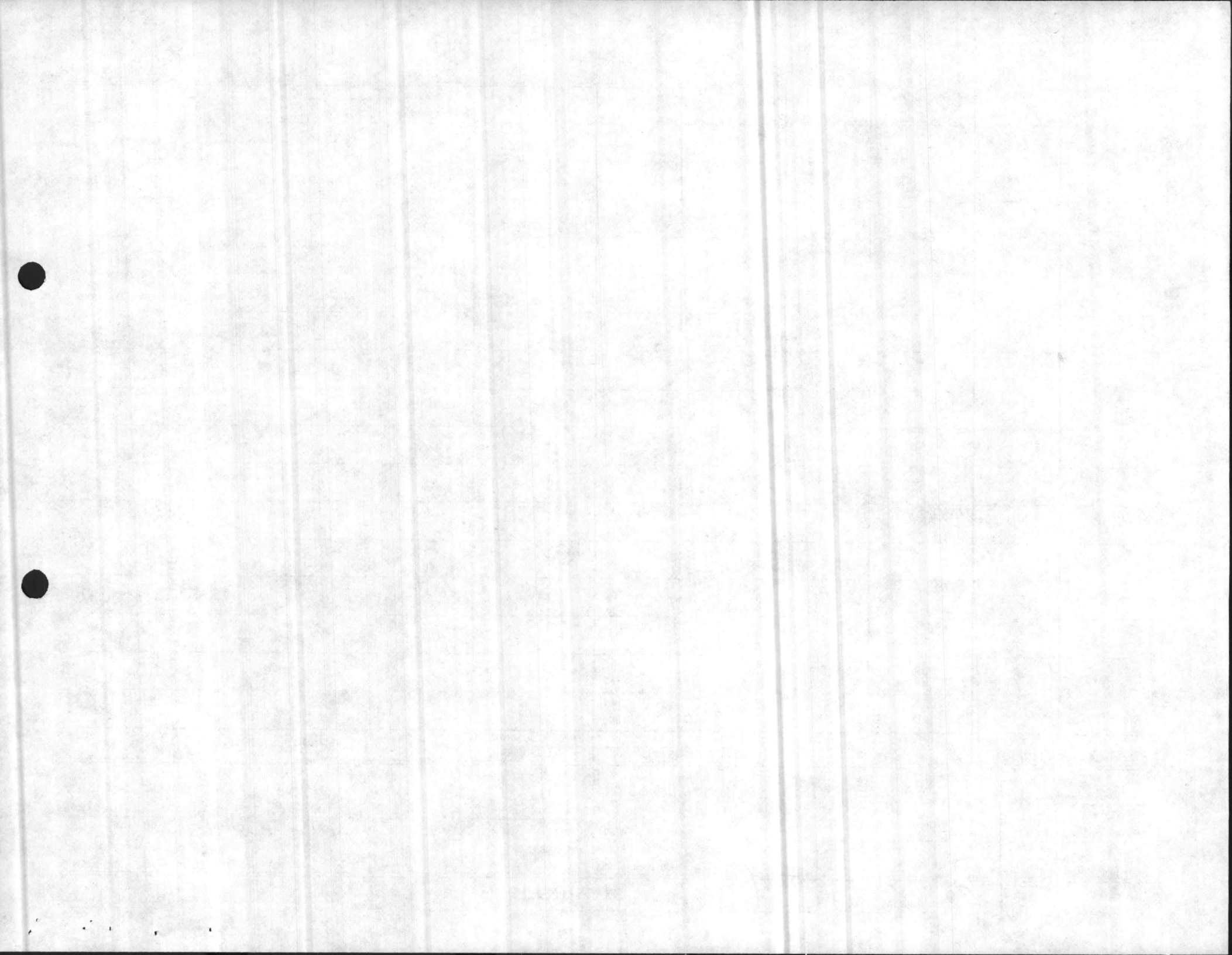
PED  30%  100%  FINAL  Other (Specify)

JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
EXT.								
1) Replace EXISTING EXISTING DOUBLE Glass Door with Alum Frame with New Double Alum frame Glass Door & Hardware (16 sets)	16	EA	1,050	16,800	450	7,200		24,000
2) Replace Alum Double Acting Door with Vision Panel, Frame & Hardware with New Double Door.	1	Pr.		1,000		250.		1,250
3) Replace 1 set of Double Metal Louver Door with Hardware AT ENT TO Mech Room				800		300		1,100







**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

1112 B. CAMP LEJEUNE BLDG. 6640  
PROJECT TITLE

ESTIMATED BY

BLANTON

CATEGORY CODE NUMBER

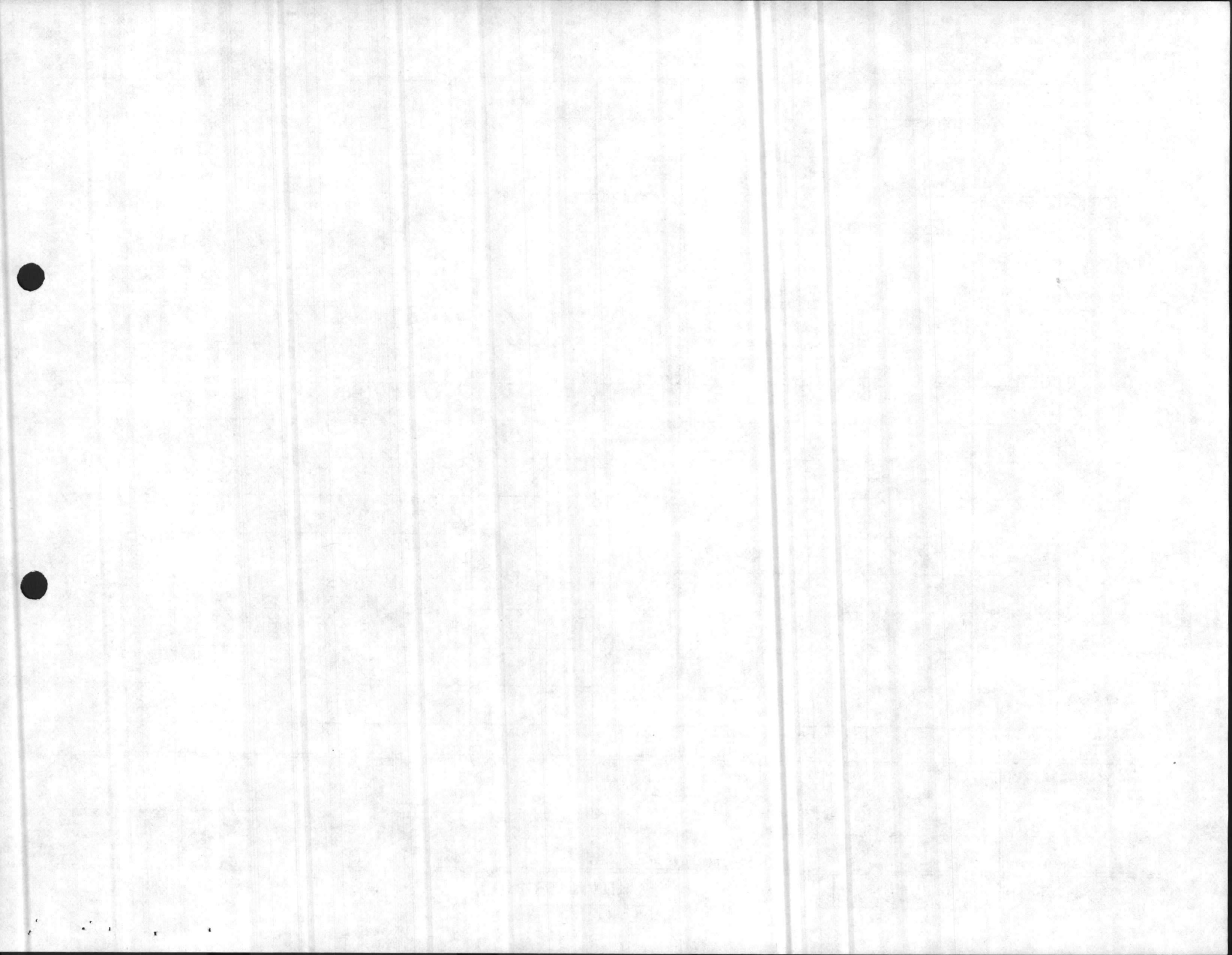
STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

JOB ORDER NUMBER

RENOVATE ELECT. AS LISTED BELOW

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
OFFICE & OFFICE HEAD REPL				600		700		1300
(2) INCAND LIGHTS (3) RECESS INCAND W/ FLUOR FIXTURES, REPL (6) 2'x4' 2 T FLUOR LIGHT HEAD, STORAGE & HALLWAY AREAS. REPL (57) 4' 1 TUBE & (2) 8' 1 TUBE FLUOR FIXTURES BAKE SHOP. OLD CEILING TO BE REPAIRED W/ NEW DROP CEILING REPL 4' 2 T RECESS FLUOR W/ NEW 2'x4' 4 T LAY-IN 13 REMOVE EXISTING RECESS FIXTURE & REPAIR HOLES IN CEILING.				1888		1888		3776
				800		1600		1800





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

*MCC. CAMP LEJEUNE BLDG G-640*  
PROJECT TITLE

ESTIMATED BY

CATEGORY CODE NUMBER

*BLANTON*

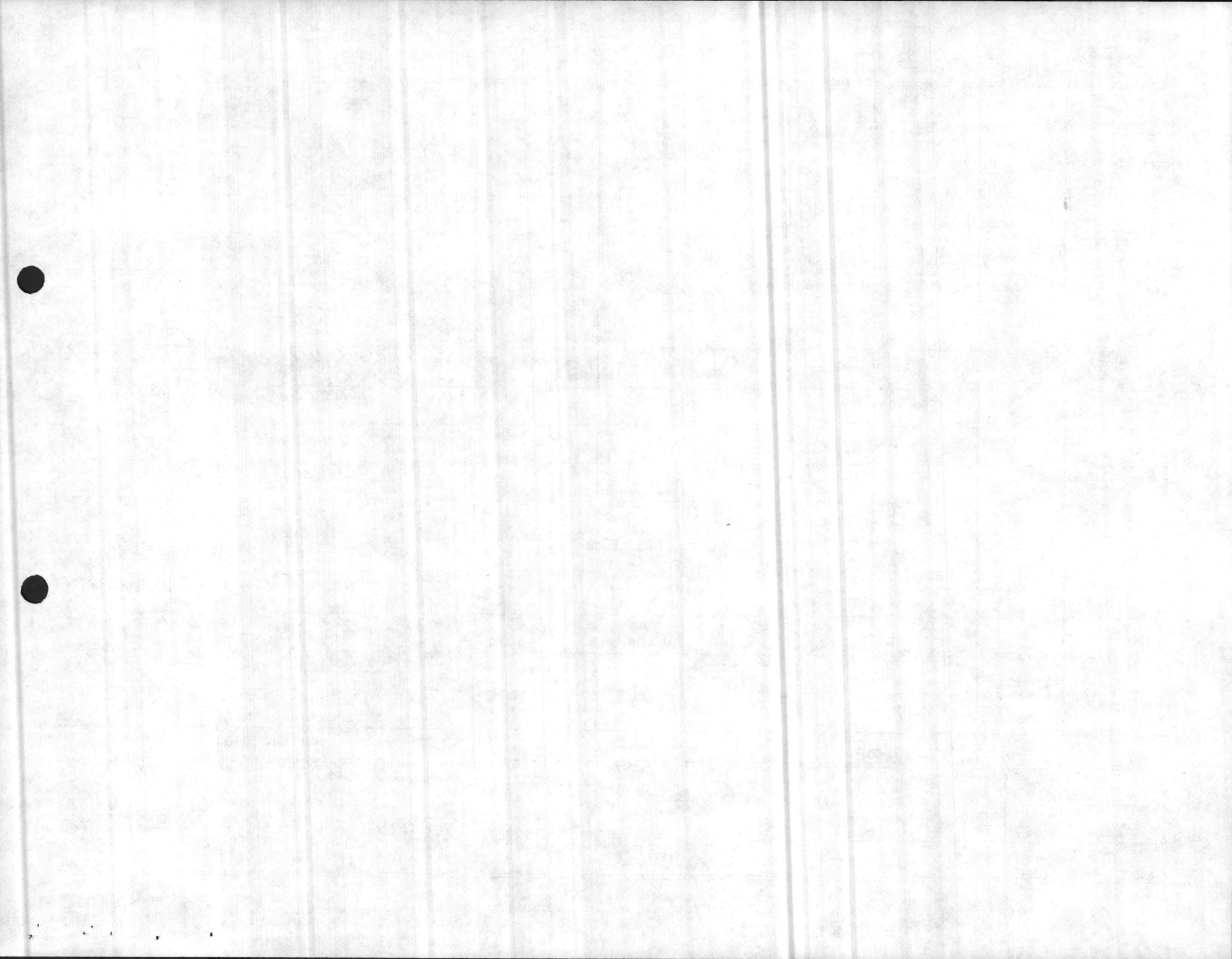
STATUS OF DESIGN

JOB ORDER NUMBER

PED  30%  100%  FINAL  Other (Specify)

*RENOVATE ELECT. AS LISTED BELOW.*

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<i>SCULLERY ROOMS (2) EA. CEILING TO BE REPLACED. REPL. EXISTING 2'X4' AT RECESS W/ CEILING MOUNT. VAPOR PROOF FLUOR LIGHTS.</i>				<i>4400</i>		<i>1800</i>		<i>6200</i>
<i>SCULLERY ROOMS (2) EA. REPL &amp; RELOCATE 100A 3P 30CKT BREAKER PANELS TO OUT SIDE OF SCULLERY ROOMS. TURN PANELS AROUND TO FACE IN DINING AREA</i>	<i>(2)</i>	<i>EA</i>	<i>425</i>	<i>850</i>	<i>250</i>	<i>500</i>		<i>1350</i>
<i>SERVING LINES. REPL EXISTING 2'X4' AT FLUOR LIGHT FIXTURES. (RECESSED)</i>				<i>7370</i>		<i>6700</i>		<i>14070</i>



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

MCB CAMP LEJEUNE BLDG. G-640  
PROJECT TITLE

ESTIMATED BY

BLANTON

CATEGORY CODE NUMBER

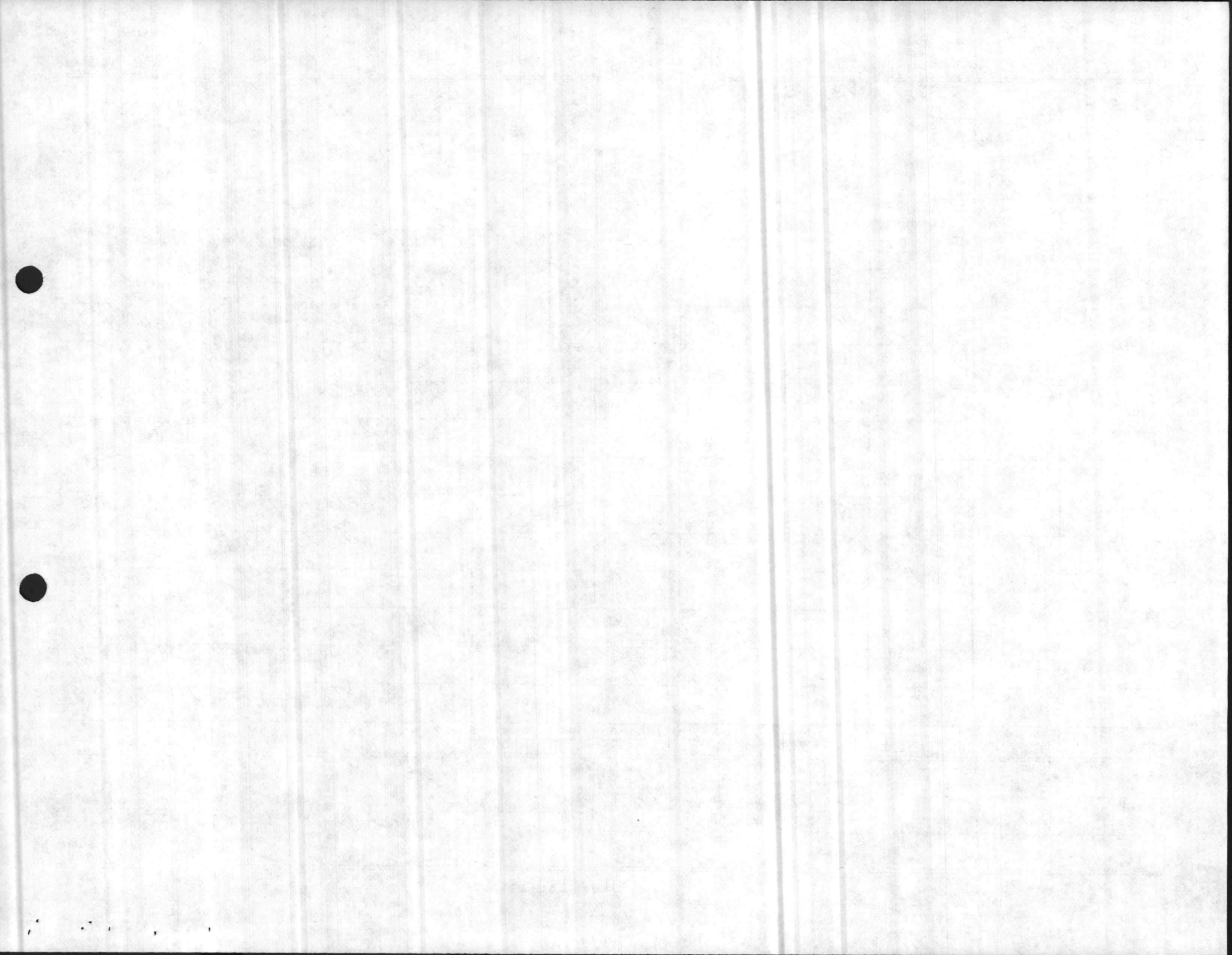
RENOVATE ELECT HS PER SCOPE OF WORK

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
DINING AREAS. CEILING TO BE				8635		7800		16435
REPL. REPL EXISTING 2'X4'4T								
FIXTURES W/ NEW 2'X4'4T								
FLOOR FIXTURES.								
GALLEY AREA & VENT				7600		3800		11400
HOOD LIGHTS. REPLACE								
EXISTING 2'X4'4T RECESS.								
& CEILING MOUNT FLOOR								
LIGHTS. W/ NEW CEILING								
MOUNT VAPOR PROOF								
FLOOR. FIXTURES. PATCH								
HOLES IN CEILING. REPL								
RECESS LIGHTS IN VENT								
HOODS.								



### COST ESTIMATE

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

*MCB CAMP LEJEUNE BLDG. G-640*  
PROJECT TITLE

ESTIMATED BY  
*BLANTON*

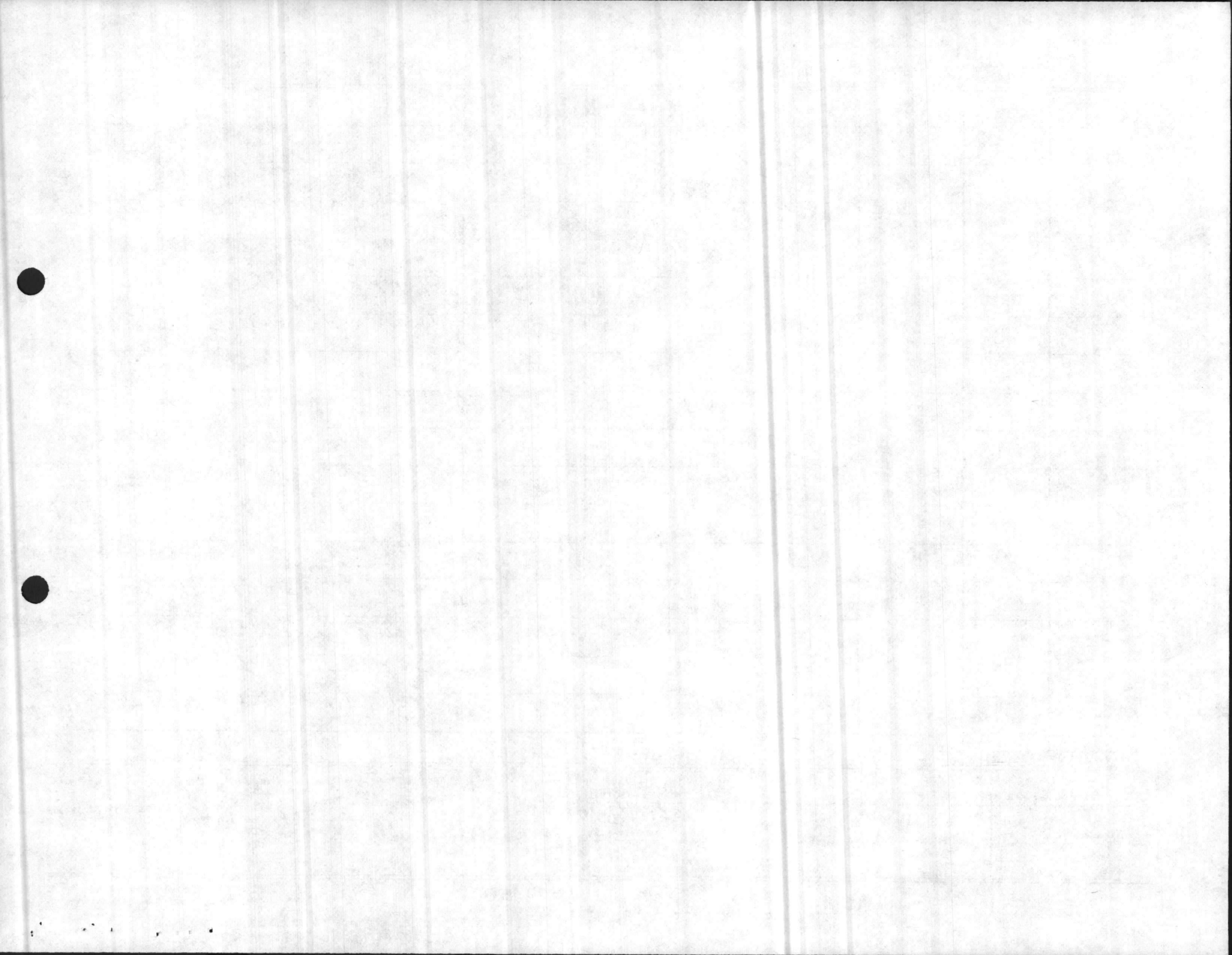
CATEGORY CODE NUMBER

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

JOB ORDER NUMBER

*RENOVATE ELECT SYSTEM PER SCOPE OF WORK*

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<i>POT WASH ROOM: REMOVE EXISTING. 4' 2T RECESS FLUOR FIXTURES, REPAIR HOLES IN CEILING. REPL RECESS FLUOR W/ CEILING MOUNT. VAPOR PROOF FLUOR FIXTURES</i>				<i>800</i>		<i>700</i>		<i>1500</i>
<i>SALARD ROOM: REPL EXISTING 4' 2 TUBE RECESS FLUOR FIXTURES. NEW FLUOR. FIXTURES TO HAVE LENS.</i>				<i>960</i>		<i>600</i>		<i>1560</i>
<i>CEILING TO BE REPLACED.</i>						<i>500</i>		<i>500</i>
<i>REMOVE &amp; REINSTALL ALL CEILING MOUNT MINIATURE POWER-TRAC LIGHTS.</i>								



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

*MCB CAMP LEJEUNE G-640*

ESTIMATED BY

CATEGORY CODE NUMBER

*BLANTON*

PROJECT TITLE

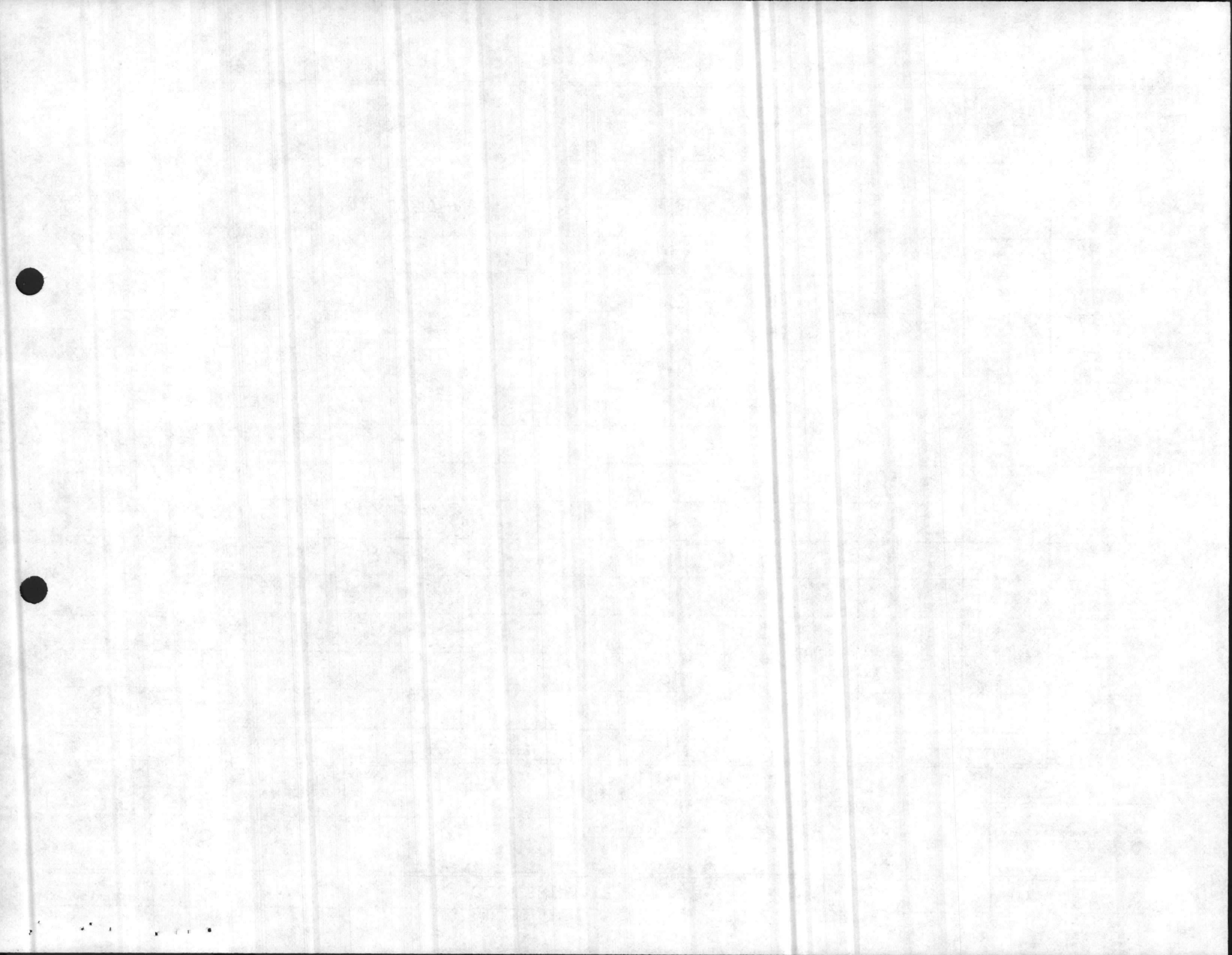
STATUS OF DESIGN

JOB ORDER NUMBER

*RENOVATE ELECT. PER SCOPE OF WORK*

PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<i>REPL EXISTIN RECESS INCAND LIGHT FIXTURES. LOCATED IN CEILING ALONG OUTSIDE WINDOWS &amp; DOORS.</i>				<i>1768</i>		<i>1734</i>		<i>3502.</i>
<i>REPL OUTSIDE 150 WATT FLOODS w/ HPS LIGHTS w/ PHOTO CELLS. (50 WATT. HPS.)</i>				<i>1645</i>		<i>315</i>		<i>1960</i>
<i>BACK OF MESS HALL AT UNLOADING RAMP. REPL ANGLE FLUOR LIGHT FIXTURES.</i>				<i>1300</i>		<i>1092</i>		<i>2392.</i>
<i>MECHANICAL ROOM. REPL INCAND LIGHTS w/ FLUOR LIGHTS. PENDENT MOUNTED, INDUSTRIAL, WHITE PORCELAIN ENAMEL TYPE</i>				<i>1550</i>		<i>900</i>		<i>2450</i>





**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

MCB CAMP LEJEUNE BLDG - G-640

ESTIMATED BY

CATEGORY CODE NUMBER

PROJECT TITLE

BLANTON

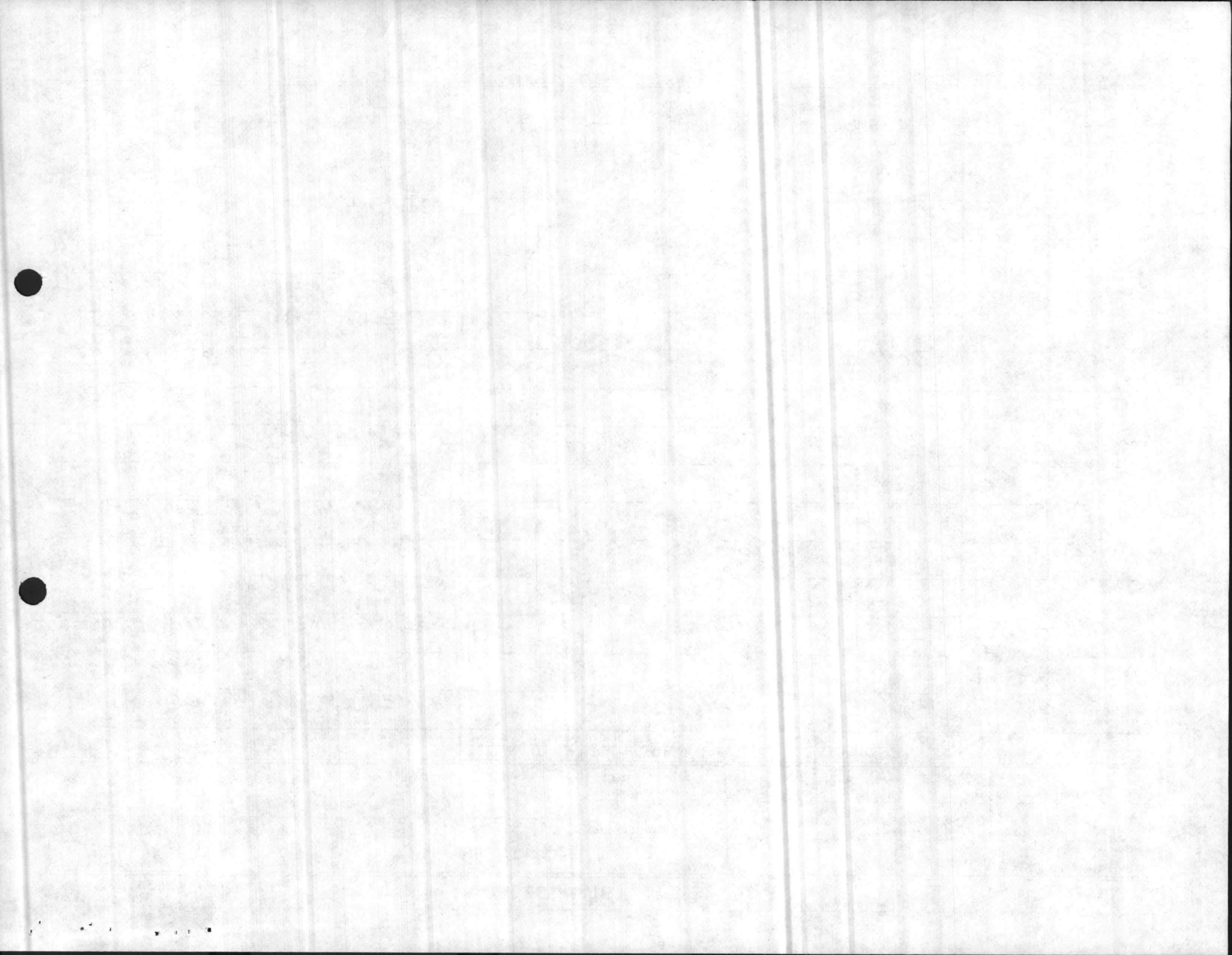
JOB ORDER NUMBER

RENOVATE ELECT. PER SCOPE OF WORK

STATUS OF DESIGN

PED  30%  100%  FINAL  Other (Specify) \_\_\_\_\_

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
MECHANICAL ROOM: REPL HOT WATER CIR. PUMPS.				1100		400		1500
REPL EXISTING EXIT LIGHTS w/ SELF CONTAINED EXIT LIGHTS.				900		320		1220
NEW EMERGENCY LIGHTS. TO BE INSTALLED IN NEW FLUOR LIGHTS.				2000		1000		3000
REPL EXISTING FLY FANS OVER OUTSIDE DOORS.				4500		900		5400
FLOOR TO BE REPLACED IN SCULLERY ROOMS. (2 EA)				250		600		850
DISCONNECT & RECONNECT POWER TO ELECT EQUIP IN (2) EA SCULLERY ROOMS.								
				48916		33249		82165



**COST ESTIMATE**

DATE PREPARED

SHEET OF

ACTIVITY AND LOCATION

CONSTRUCTION CONTRACT NO

IDENTIFICATION NUMBER

*MCB CAMP LEJEUNE: BLDG-G-640*  
PROJECT TITLE

ESTIMATED BY  
*BLANTON*

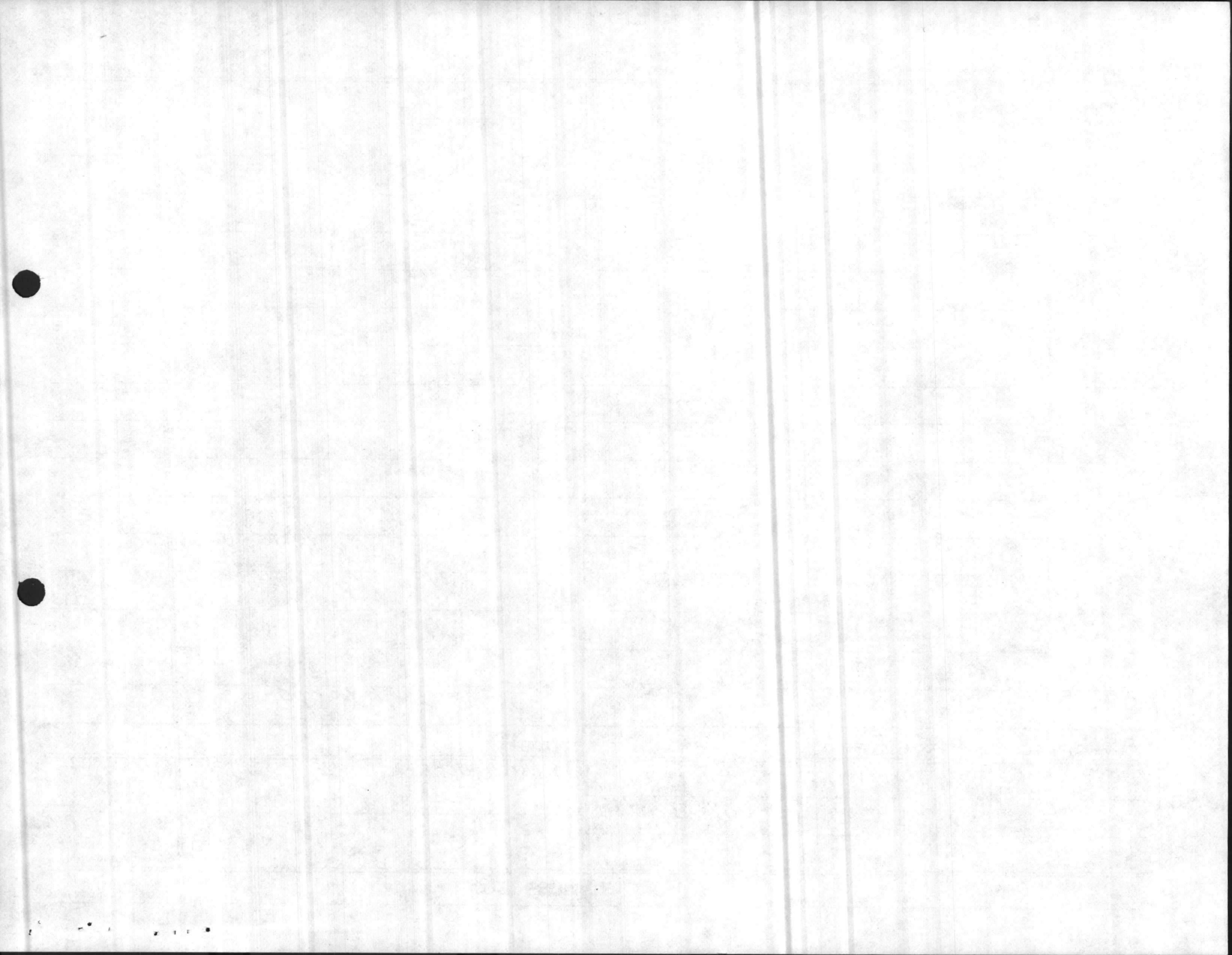
CATEGORY CODE NUMBER

*RENOVATE ELECT PER SCOPE OF WORK*

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
<i>MESS HALL G-640 LIGHTING</i>								
<i>SYSTEM IS 120/208 PHN</i>								
<i>277 VOLTS.</i>								
<i>ALL NEW LIGHTS &amp; ELECT</i>								
<i>EQUIP TO BE GROUNDED &amp;</i>								
<i>BOND PER NEC.</i>								



**COST ESTIMATE**

DATE PREPARED  
10-15-86

SHEET OF

ACTIVITY AND LOCATION

① G-640

CONSTRUCTION CONTRACT NO.

IDENTIFICATION NUMBER

ESTIMATED BY

Huffman

CATEGORY CODE NUMBER

PROJECT TITLE

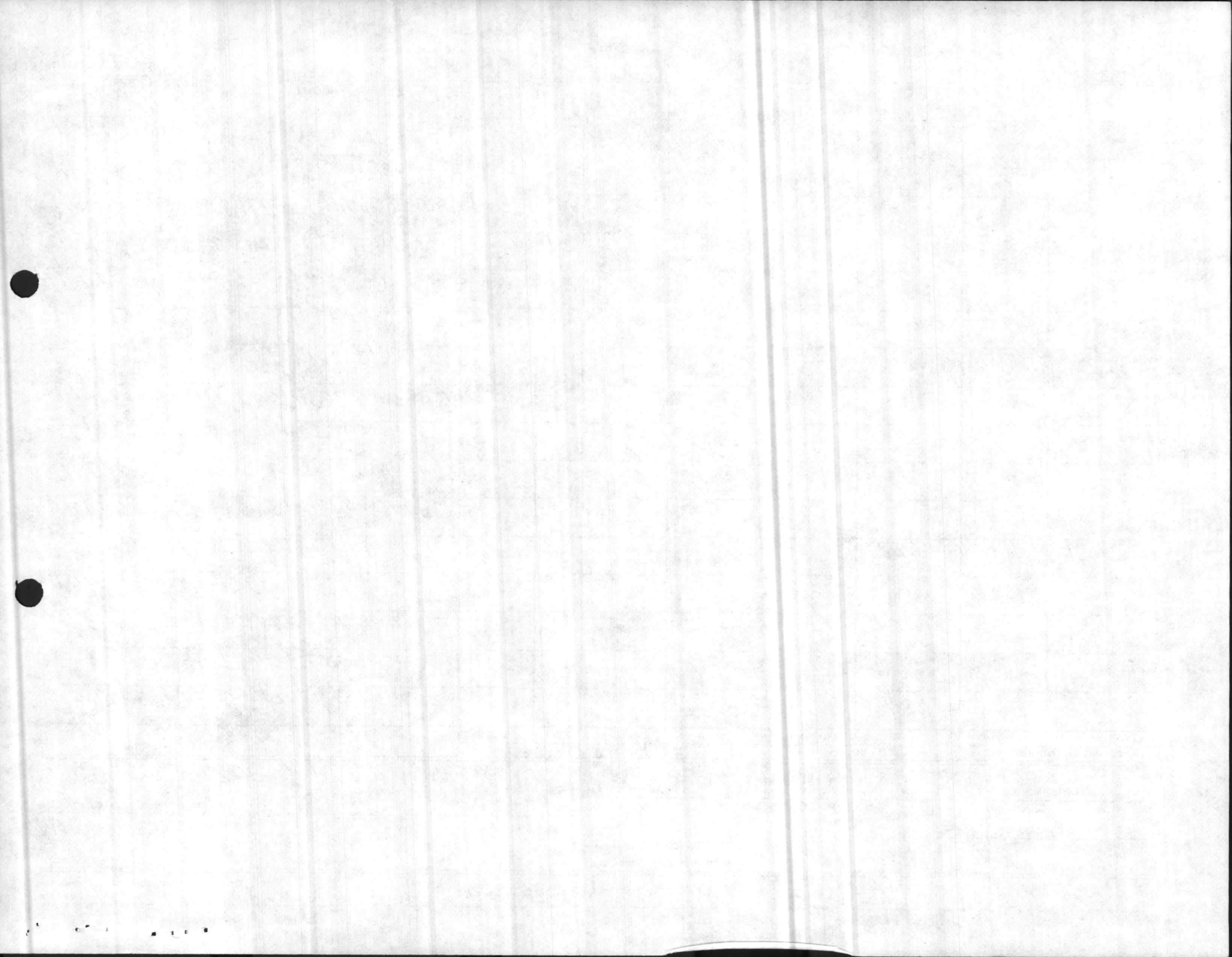
REPAIR, REPLACE MECH EQUIPMENT.

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 LAVATORIES, FAUCETS, DRAINS AND TRIM. (APPRO-10)	-			1550		600		2150
REPLACE URINAL FLUSH VALVE AND SPUD. (APPRO. 4)	-			250		100		350
REPLACE COMMODE FLUSH VALVES, SPUDS, AND ELONGATED OPEN FRONT SEATS. (APPRO 10)	-			1040		300		1340
REPLACE ALL FAUCETS (SINKS AND OTHERWISE) THROUGH BUILDING EXCEPT COPPER <sup>(STEAM COOKERS)</sup> FAUCETS TO REMAIN.	-			800		250		1,050
IN TWO SCULLERY ROOMS AND ONE POT WASHER ROOM-DISCONNECT, AND REMOVE ALL EQUIPMENT FOR FLOOR TILE REPLACEMENT, REINSTALL AND RECONNECT ALL EQUIPMENT WITH NEW PIPING, DRAIN STRAINERS ECT.	-			500		3,000		3,500



**COST ESTIMATE**

DATE PREPARED  
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SHEET OF

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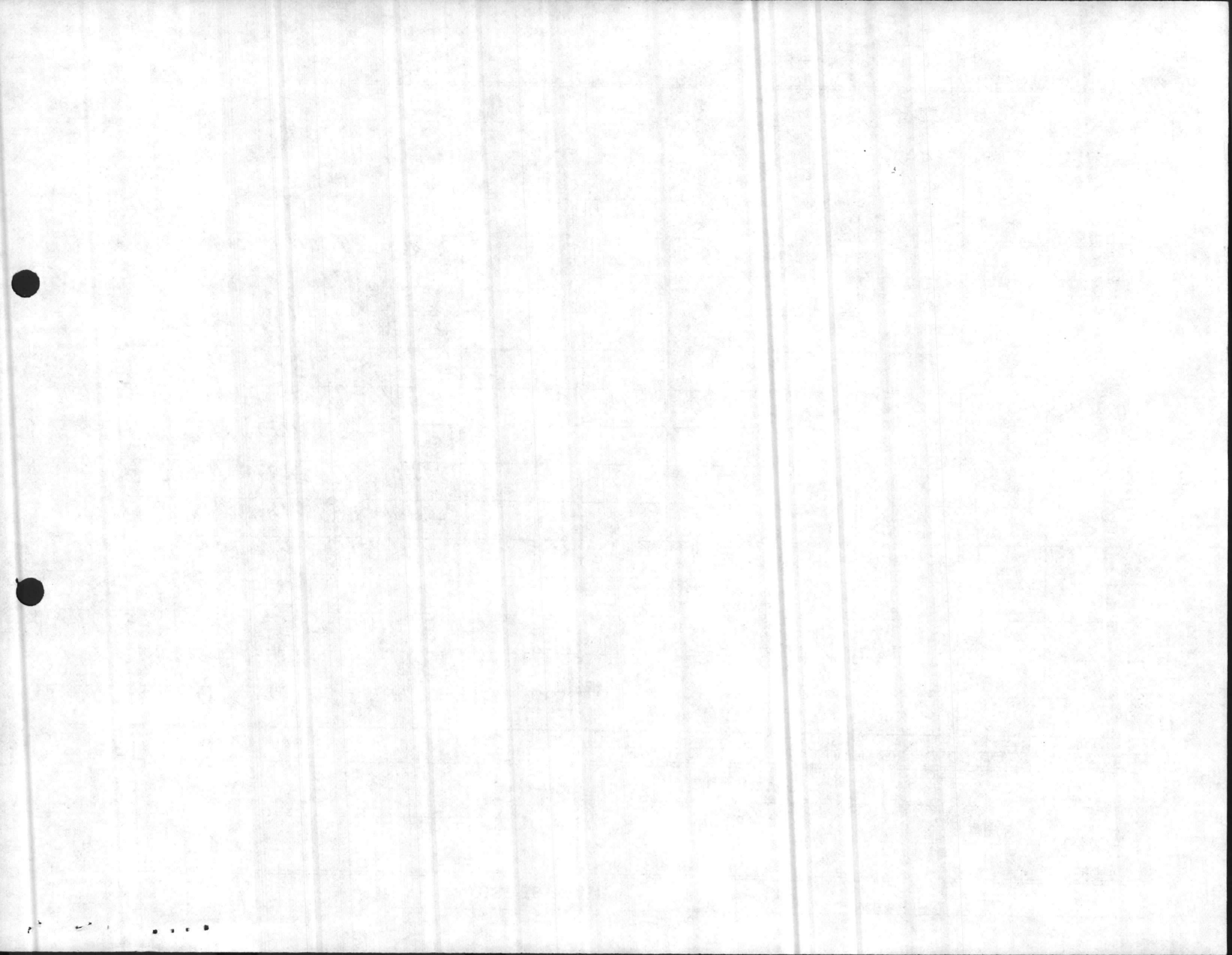
REPAIR, REPLACE MECH. EQUIP.

STATUS OF DESIGN

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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 SINK AND EQUIPMENT - EXPOSED DRAIN PIPING, TRAPS, VALVES, BASKET STRAINERS, SINK SPUDS.	-			600		800		1,400
REPLACE HOT WATER UNIT HEATERS, BASE BOARD RADIATION AND AIR HANDLERS IN SULLERY'S AND BAKERY ROOM.	-			24800		8,100		32900
REPLACE ALL HEATING, A.C., AIR SUPPLY, RETURN GRILLS, FRESH AIR, EXHAUST, FLY FAN GRILLS (NOTE: LONG AIR SUPPLY GRILL AROUND SERVING LINE AREA TO REMAIN.)	-			700		200		900





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JOB ORDER NUMBER

ITEM DESCRIPTION	QUANTITY		MATERIAL COST		LABOR COST		ENGINEERING ESTIMATE	
	NUMBER	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
ON ROOF: REPLACE ALL EXHAUST FANS (APRO-19) INCREASE CFM'S ON (2) SCULLERY MACHINE FANS.	-			17,100		2,000		19,100
MECH. Rm's REPLACE ALL CIRCULATING PUMPS FOR POTABLE WATER, HOT WATER HEATING, CHILL WATER. (APRO-10 SMALL AND 4 LARGE)	-			8,850		1,700		10,550
REPLACE AIR COMPRESSOR (FOR CONTROLS)	-			1,500		200		1,700
REPLACE CONDENSATE PUMP.	-			2,200		400		2,600
REEFERS: REPLACE ALL EVAPORATOR FAN COILS, COMPRESSORS, CONTROLS, PIPING (APRO 10)	-			38,150		13,150		51,300
<b>TOTAL</b>				<b>98,040</b>		<b>30,800</b>		<b>128,840</b>

