

**HOLMES &
NARVER, INC.**

ENGINEERS - CONSTRUCTORS



A RESOURCE SCIENCES COMPANY

January 17, 1977

Col. Howard B. Thompson, USA
Chief, Pacific Support Division
Defense Nuclear Agency
Field Command
P. O. Box 29939
Honolulu, Hawaii 96820

BEST COPY AVAILABLE

MEDICAL CLINIC, BUILDING 603, ENEWETAK

Dear Col. Thompson:

In response to Col. Schaefer's verbal request of 17 December 1976, we herewith submit our conceptual estimate for a Medical Clinic at Enewetak in Building 603 based upon recommendations as presented in a Trip Report of Richard A. Lund, Lt. Col., USAF, MSC, dated 16 December 1976. The total concept cost for this facility as per attached summary sheet is \$51,850.

It should be noted that this estimate assumes that all medical and dental equipment will be Government furnished. The estimate does include the special shielding required for the X-Ray Room.

Very truly yours,

HOLMES & NARVER, INC.

Original Signed by
D. J. BrushD. J. Brush
General ManagerAttachment
as indicated.

cc: Director, PASO/USERDA - w/attachment

SUMMARY ESTIMATE
 CONTRACT AT(29-2)-20

HOLMES & NARVER, INC.
 TECHNOLOGY & CONSTRUCTION
 PACIFIC TEST DIVISION
 AEC CONTRACT AT(29-2)-20

TITLE: BUILDING #603
FOR PROPOSED DISPENSARY.
CONCEPTUAL ESTIMATE

SUB. ACCT. NO.	DESCRIPTION	QUANTITY	UNIT	LABOR		MATERIAL TOTAL \$	EQUIP. USE		SUB-CONTRACT TOTAL \$	TOTAL
				MAN HOURS	TOTAL \$		HOURS	TOTAL \$		
THIS CONCEPTUAL ESTIMATE IS IN ACCORDANCE WITH TRIP REPORT LETTER DATED 16 DEC 1976 AND SKETCHES OF PROPOSED CLINIC AREA OF BUILDING #603.										
020	SITE PREPARATION			60	960	-		GFE		960
120	SPECIAL SHIELDING			48	768	2340		"		3180
150	CARPENTRY			212	3392	3720		"		7112
220	MISCELLANEOUS METAL WORK			8	128	50		-		178
290	FLOOR COVERING & BASE			48	768	1450		-		2218
410	PAINTWORK			164	2624	2818		-		5442
440	PLUMBING			287	4592	2200		GFE		6792
450	FIRE PROTECTION SYSTEM			40	640	950		"		1590
470	AIR CONDITIONING			144	2304	850		"		3154
490	BUILDING			8	128	25		-		153
600	ELECTRICAL			264	4224	1725		GFE		5949
626	SPECIAL EQUIPMENT			64	1024	200		"		1224
630	PAINTING			64	1024	1050		"		2074
740	SEWERAGE UTILITIES			120	1920	300		"		2220
780	SUPERVISION			140	2240	-		-		2240
SUB-TOTAL				1671	26736	17678		GFE		44414
M.E.O SUPPORT (1800 MH @ 1.50)										2700
SUB-TOTAL										47114
CONTINGENCY		10%								4736
ESTIMATED TOTAL COST										\$51850

Reviewed for Scope
RA 1-14-77
 Date

Approved: [Signature]
 General Manager
 Concur: [Signature]
 USERDA/PASO

APPROVED _____
 DATE _____

Dispensary Review Comments

- ✓ 1. Need sink in Drs office. &
- ✓ 2. LAB - need counter "B"
- ✓ 3. DARKROOM need sink, drain line etc.
- ✓ A. Pharmacy need sink? No
- ✓ B. Dbl swing door in 1-Kary
- ✓ C. X-Ray control panel
- ✓ E. Can we reduce standards of construction -
Single wall construction?
Moveable partitions?

Dispensary Design Eval

1. 020 - ok

2. 120 - Is thickness the same for
Regular & Dental machines.

3. 150 - ok

4. 220 - ok

5. 290 - ok

6. 410 - How many doors are you
installing/replacing

7. 440 - ok

8. 450 - Do we need 16 sensors?

9. 500 - ok

10. 600 - ok

11. 626 - Will this be self contained?
what requires 16 hrs to install.

12. 630 - ok

13. 740 - ok

15. 780 - Are you actually going to have a dup?
(OVER)

Does showering need sink?

Why does Lab need two sinks?

Swinging doors in the X-Ray room?

Where are controls for X-Ray

How do you show lead lining in X-Ray room walls?

Sink in doctors office?