

HEADQUARTERS  
1st Engineer Battalion  
1st Marine Division (Rein), FMF  
FPO San Francisco, California 96602

3/JCC/opj  
5750  
Ser.No. 01-68

From: Commanding Officer  
To: Commanding General, 1st Marine Division (Rein), FMF  
Subj: Command Chronology for Period 1 December to 31 December 1967

Ref: (a) MCO 5750.2  
(b) FMFPacO 5750.8  
(c) DivO 5750.2B

Encl: (1) 1st Engineer Battalion Chronology

1. In accordance with the provisions in reference (a), (b), and (c), enclosure (1) is submitted herewith.

*Logan Cassidy*  
LOGAN CASSEDY

S & C FILES  
HEADQUARTERS  
1ST MARINE DIVISION, FMF

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Approved by the Director of  
Arms History and Museums  
in accordance with the provisions  
of Ser 009D323/232096 of  
2379

Signature Date

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1ST ENG BN

2nd Chron

Dec 1967

**1st ENGINEER BATTALION**

**COMMAND CHRONOLOGY**

**1 December to 31 December 1967**

<b>PART I</b>	<b>Organizational Data</b>
<b>PART II</b>	<b>Narrative Summary</b>
<b>PART III</b>	<b>Sequential Listing of Significant Events</b>
<b>PART IV</b>	<b>Supporting Documents</b>

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PART IORGANIZATIONAL DATA1. DESIGNATION

1st Engineer Battalion

COMMANDER

LtCol L. CASSEDY

30Oct67 - Present

SUBORDINATE UNITS

H&amp;S Company (-)

Capt J. S. HACK JR.

13Sep67 - Present

Support Company (-)

Capt E. A. HARRIS

15Sep67 - Present

Company "A" (-)(Rein)

Capt J. M. BUTLER JR.

3Aug67 - Present

Company "B" (Rein)

1stLt G. L. NEWKIRK

10Oct67 - Present

Company "C" (Rein)

Capt J. R. KMARAS

4Nov67 - Present

2. LOCATION1st Engineer Battalion  
minus Company "A" (-)(Rein)

21Apr67 - Present

DaNang, RVN

Company "A" (-)(Rein)

30Oct67 - Present

Quang Tri, RVN

1st Platoon, "B" Company (Rein)

26Dec67 - Present

Phu Loc, RVN

2nd Platoon, "B" Company (Rein)

Nov66 - Present

An Hoa, RVN

3. STAFF OFFICERS

Executive Officer

Maj R. C. JONES

30Oct67 - Present

Sergeant Major

1stSgt J. R. JOHNSON

4Sep67 - Present

S-1/Adjutant

1stLt R. J. FORBELL

1Dec67 - Present

S-2

1stLt C. D. VENUTO

21Sep67 - Present

S-3

Maj J. C. CHAMBLISS

4Nov67 - Present

S-4

Capt L.R. CORNWELL

14Mar67 - Present

Supply Officer

1stLt J. G. KORAN

3Sep67 - 31Dec67

Communications Officer

1stLt E. G. POULIN

12Jul67 - Present

Medical Officer

Lt T. M. LOECKER

1Aug67 - Present

M. T. Officer

Capt H. B. WENGER

10Sep67 - Present

Engineer Equipment Officer

WO R. T. CARRAWAY

6Sep67 - Present

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Utilities Officer

1stLt J. H. WILLER

100Oct67 - Present

Construction Officer

WO D. D. TAPLEY

28Jun67 - Present

4. AVERAGE MONTHLY STRENGTH

<u>OFF</u>	<u>USMC</u>	<u>ENL</u>	<u>OFF</u>	<u>USN</u>	<u>ENL</u>
34		650	2		14

PART IINARRATIVE SUMMARY

During the month of December 1967, the 1st Engineer Battalion (-) was committed to combat engineer support missions while simultaneously accomplishing engineer projects and maintaining 17 mine detection and clearing sweeps. Combat engineer companies, reinforced by elements of Headquarters and Service Company and Engineer Support Company, supported four named operations: PETT, THOR, CITRUS, and AUBURN; two small unit search and destroy operations; and four reconnaissance inserts. Engineer support was provided to ten rough rider convoys. During the reporting period 2,830,000 meters of road in the Danang portion of the 1st Marine Division TAOR were swept for mines.

Company "A" (-)(Rein), attached to the 1st Marine Regiment (-)(Rein), in the Quang Tri TAOR, provided close combat engineer support of eight small unit size search and destroy operations. Company "A" (-)(Rein) swept 270,000 meters of road for mines in the 3rd Marine Division TAOR.

During the reporting period, a platoon from "B" Company, reinforced by elements of Headquarters and Service Company and Engineer Support Company, was attached to the 1st Battalion, 5th Marines and displaced to Phu Loc on 26 December 1967 to establish a new area of operation. This platoon swept 720,000 meters of road in the Phu Loc area for mines and commenced construction of 40 two-man fighting positions, one COC bunker, one communications bunker, and one BAS bunker.

A total of 27 Division and 48 Battalion Work Orders were completed during the month of December 1967. 38 mines and boobytraps, 1 raft, 51 bunkers/fighting holes, 2 houses, and 1 disabled helicopter were destroyed during the month of December 1967. In addition, two enemy bridges, one spider trap and one punjil pit were destroyed.

PART IIISEQUENTIAL LISTING OF SIGNIFICANT EVENTS1. Personnel

## a. Gains and losses:

	<u>OFF</u>	<u>USMC</u>	<u>ENL</u>	<u>OFF</u>	<u>USN</u>	<u>ENL</u>
Dropped:	2		79	0		0
Joined:	0		114	0		0

b. <u>KIA</u>	<u>WIA</u>
1	3

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## 2. Intelligence

### a. Road and Bridge Reconnaissance

(1) On 2 December 1967, a road reconnaissance was completed for Route 33 between coordinates AT 908784 and AT 895824. Results of this reconnaissance were provided to the Division Engineer Officer.

(2) On 5 December 1967, a road reconnaissance was completed for Route 14 between coordinates AT 866574 and AT 788547. This reconnaissance was performed as part of Division Work Order D575-67.

(3) On 18 December 1967, a road and bridge reconnaissance was conducted to determine the feasibility of constructing an access road between Route 1 (AT 987664) and Route 5 (AT 943663). Results of this reconnaissance were provided to the Division Engineer Officer.

b. Weather. Throughout the month of December 1967, the weather was characterized by intermittent showers, with overcast skies approximately 60 percent of the time.

c. Mine Warfare. The battalion paid a total of 800\$ VN in rewards payments as follows:

(1) On 16 December 1967, 400\$ VN was paid to a Vietnamese man who pointed out one 20 pound box mine at AT 907496.

(2) On 26 December 1967, 250\$ VN was paid to a Vietnamese boy who turned in one 60mm mortar dud at AT 880572.

(3) On 26 December 1967, 150\$ VN was paid to a Vietnamese boy who turned in one M-79 round at AT 798548.

### d. Enemy Ordnance

(1) 18 box mines, four assorted homemade mines, one mine shaped to look like a rock, two VC shape charges, one raft, and eight assorted boobytraps were discovered and destroyed on routine sweeps in the 1st Marine Division TAOR.

(2) Five M-16 AP mines (one of which was boobytrapped with 10 pounds of TNT) were discovered and destroyed on routine sweeps in the 3rd Marine Division TAOR.

(3) Total enemy ordnance destroyed:

<u>50 lb box mine</u>	<u>40 lb box mines</u>	<u>25lb box mines</u>	<u>10 lb box mines</u>	<u>2-5 lb box mines</u>
1	5	9	5	4
<u>10 lb homemade can mine</u>	<u>10 lb homemade glass pot mines</u>	<u>1 lb mine(Rock)</u>		
1	2	1		

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<u>VC Command detonated mines (Unk)</u>	<u>Raft (with 80 lbs of TNT)</u>	<u>VC Shape Charges</u>
4	1	2
<u>Soda Can Mine</u>	<u>ChiCom grenades</u>	<u>70 lb satchel charge</u>
1	2	1
		<u>10 lb satchel charge</u>
		1

e. Tunnel/Cave/Bunker/Fighting hole destruction:

(1) The following tunnels/bunkers/fighting hole/houses were destroyed:

- (a) 11 Tunnels
- (b) 5 Tunnel Complexes
- (c) 12 Bunkers
- (d) 22 Family Bunkers
- (e) 1 Fighting Hole
- (f) 2 Houses

(2) In addition, one 10 foot section of bridge, one bamboo bridge, one spider trap, one punjii pit, and one crashed helicopter were destroyed. Also one AK-47 rifle and four loaded magazines were captured.

f. Other Ordnance

(1) The following types and quantities of U.S. Ordnance were destroyed:

<u>250 lb bomb</u>	<u>155 mm rounds</u>	<u>105 mm rounds</u>	<u>81 mm rounds</u>	<u>60 mm rounds</u>	<u>8" round</u>
2	5	6	9	7	1
<u>3.5 rocket round</u>	<u>LAAN</u>	<u>M-18 Claymore mine</u>	<u>M-26 grenades</u>		
4	1	1	12		

g. Training

a. Demolitions, Landmine Warfare and Viet Cong Boobytrap School was attended by 363 personnel (47 infantry, 153 personnel from 1st Reconnaissance Battalion and 163 engineers).

b. It is considered worthy of note that during Calendar Year 1967, 4,161 personnel completed the three day course, which is conducted by this battalion's resources; i.e. with no augmentation. In addition, many special one day classes and demonstrations were conducted throughout the division by the school's instructors.

c. During the month of December 1967, five one hour classes were held for the Officers and SNCOs of this battalion covering the following subjects:

- (1) Embarkation
- (2) Fuel Air Explosive (FAE) Device demonstration
- (3) Supply Management
- (4) Fitness Reports
- (5) Duty with CAP B-1

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d. Motor Transport school was conducted on the operation and preventative maintenance of: M-37 - five personnel and 5 ton multi-fuel vehicles - 10 personnel. All personnel were issued licenses for the respective vehicles.

e. School was conducted on the operation and preventative maintenance of the 4 KW generator to eight personnel from this battalion.

f. School was conducted on embarkation, on two separate days, to members of this battalion. Attendance for each class was 12 personnel.

g. School was conducted to communications personnel of this battalion on the following subjects: Division Radio Frequencies and Call Signs, Radio Procedures for Med-Evac, Spot Reports and calling in Supporting Fire, Emergency Destruction of Equipment and Classified Material, Electrical Shock and Asphyxiation. In Addition, seven communications personnel from this battalion attended a one day Forward Observers' Course held at 11th Marine Regiment.

#### Operations

##### a. Operation PITT

3 - 12 December 1967

Company "C" provided a squad (-) and Company "B" provided a four man engineer team for close combat engineer support of 2nd Battalion, 7th Marines search and destroy Operation PITT which commenced on 3 December and terminated on 12 December 1967.

Ref: CO, "C" Co AA Rpt CJG/seh over 3480 of 14 Dec 1967

##### b. Operation THOR

6 -10 December 1967

Company "C" provided a two man engineer team for close combat engineer support of "B" Company, 1st Battalion, 7th Marines search and destroy Operation THOR which commenced on 6 December and terminated on 10 December 1967.

Ref: CO, "C" Co AA Rpt JRG/seh over 3480 of 13 Dec 1967

##### c. Operation CITRUS

15 - 23 December 1967

Company "C" provided a six man engineer team for close combat engineer support of 3rd Battalion, 7th Marines search and destroy Operation CITRUS which commenced on 15 December 1967 and terminated on 23 December 1967.

Ref: CO, "C" Co AA Rpt SEA/rwe over 3480 of 28 Dec 1967

##### d. Operation AUBURN

26 December 1967  
Still in Progress

Company "B" is providing a squad (-) for close combat engineer support of 2nd Battalion, 5th Marines search and destroy Operation AUBURN which commenced on 26 December 1967 and is still in progress.

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**e. Search and Destroy  
Operation**

1 December 1967

Company "A" provided a two man engineer team for close combat engineer support of Company "F", 2nd Battalion, 1st Marines on a one day search and destroy operation on 1 December 1967.

**f. Search and Destroy  
Operation**

5 - 6 December 1967

Company "B" provided a squad (-) for close combat engineer support of 2nd Battalion, 5th Marines search and destroy operation which commenced on 5 December and terminated on 6 December 1967.

Ref: CO, "B" Co AA Rpt GLN:ec over 3000 of 8 Dec 1967

**g. Search and Destroy  
Operation**

4 December 1967

Company "A" provided a two man engineer team for close combat engineer support of Company "E", 2nd Battalion, 1st Marines on a one day search and destroy operation on 4 December 1967.

**h. Search and Destroy  
Operation**

4 December 1967

Company "A" provided a three man engineer team for close combat engineer support of "H" Company, 2nd Battalion, 1st Marines on a one day search and destroy operation on 4 December 1967.

**i. Search and Destroy  
Operation**

7 December 1967

Company "A" provided a three man engineer team for close combat engineer support of Company "H", 2nd Battalion, 4th Marines on a one day search and destroy operation on 7 December 1967.

**j. Search and Destroy  
Operation**

8 December 1967

Company "A" provided a two man engineer team for close combat engineer support of Company "H", 2nd Battalion, 1st Marines on a one day search and destroy operation on 8 December 1967.

**k. Search and Destroy  
Operation**

9 - 12 December 1967

Company "A" provided a squad (-) for close combat engineer support of 2nd Battalion, 1st Marines search and destroy operation which commenced on 9 December and terminated on 12 December 1967.

**l. Search and Destroy  
Operation**

15 - 16 December 1967

Company "A" provided a two man engineer team for close combat engineer support of Company "F", 2nd Battalion, 1st Marines search and destroy operation which commenced on 15 December and ended on 16 December 1967.

**m. Search and Destroy  
and Village Pacification  
Operation**

19 - 24 December 1967

Company "A" provided a two man engineer team in support of Company "E", 2nd Battalion, 4th Marines search and destroy and village pacification operation which commenced on 19 December and terminated on 24 December 1967.

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**n. Search and Destroy Operation**

28 December 1967  
Still in progress

Company "C" is providing a two man engineer team for close combat engineer support of Company "I", 3rd Battalion, 7th Marines search and destroy operation which commenced on 28 December 1967 and is still in progress.

**o. Reconnaissance Insert**

10 - 15 December 1967

Company "C" provided one engineer in support of a 1st Reconnaissance Battalion Patrol Operation which commenced on 10 December and terminated on 15 December 1967.

Ref: CO, "C" Co AA Rpt CMS/seh over 3480 of 28 Dec 1967

**p. Reconnaissance Insert**

12- 18 December 1967

Engineer Support Company provided one engineer in support of a 1st Reconnaissance Battalion Patrol Operations which commenced on 12 December and terminated on 18 December 1967.

**q. Reconnaissance Insert**

17 - 23 December 1967

Company "B" provided one engineer in support of a 1st Reconnaissance Battalion Patrol Operation which commenced on 17 December and terminated on 23 December 1967.

**r. Reconnaissance Insert**

19 - 27 December 1967

Company "C" provided one engineer in support of a 1st Reconnaissance Battalion Patrol Operation which commenced on 19 December and terminated on 27 December 1967.

Ref: CO, "C" Co AA Rpt CMS/seh over 3480 of 30 Dec 1967

**5. Water Supply.** During the month of December 1967, the 1st Engineer Battalion operated 12 water points which produced a total of 4,603,900 gallons of potable water and 1,148,000 gallons of raw shower water for units of the 1st Marine Division.

**6. Construction**

a. The following 27 Division originated work orders were completed during the month of December 1967:

- (1) Performed a reconnaissance of roads in 2nd Battalion, 7th Marines CP.
- (2) Constructed a cabinet for the COC at Division CP.
- (3) Installed a bath unit at "E" Company, 2nd Battalion, 7th Marines.
- (4) Constructed two chart racks for blue prints for Headquarters Battalion, 1st Marine Division.
- (5) Cleared drain behind Command Bunker at Division CP and replaced material on rear side of bunker.

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- (6) Issued 4,000' of 1½" wood stripping and nails to Division Rear.
- (7) Cut 1200 boards of 8"x12"x 3/4" material for Headquarters Battalion, 1st Marine Division to designate numerically all structures within cantonment.
- (8) Constructed 12 urinoils for Headquarters Battalion, 1st Marine Division.
- (9) Improved roads within 11th Motor Transport Battalion CP.
- (10) Constructed seabag racks in building 2635 for 2nd Battalion, 3rd Marines.
- (11) Delivered five loads of sand to Division Rear.
- (12) Rehabilitated huts in 1st Reconnaissance Battalion area.
- (13) Upgraded road from Route 3 to 1st Reconnaissance Battalion helicopter pad.
- (14) Delivered two loads of fill on road leading into Headquarters Battalion messhall.
- (15) Upgraded road in rear of Communications Company, Headquarters Battalion messhall and road at entrance to Headquarters Battalion messhall.
- (16) Conducted a road reconnaissance for road from Route 1 (AT 987664) to Route 5 (AT 943663).
- (17) Upgraded access road from Route 5 to 1st Battalion, 7th Marines CP.
- (18) Repaired damage to Communications storage building at 3rd 8" Howitzer Battery.
- (19) Cleared drainage at 2nd Battalion, 3rd Marines messhall.
- (20) Constructed 12 standard culvert type bunkers for 1st Battalion, 5th Marines.
- (21) Closed civilian dump by plowing it under and covering it with fill to eliminate health hazard at AT 998721 - 1st Tank Battalion.
- (22) Installed water point, shower point, tower tank and piped water to messhall, 1st Battalion, 7th Marines.
- (23) Provided technical assistance and issued necessary material to enclose the generator shed at 1st Medical Battalion CP.
- (24) Upgraded road in the area of the 1st Marine Division Post Exchange.
- (25) Provided technical assistance in construction of seven 12'x24' bunkers at 3rd LVT Battalion.
- (26) Repaired an 8'x8' bunker and completed work on test firing pit at 1st Reconnaissance Battalion.
- (27) Constructed 74 urinoils for 1st Marine Regiment.

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b. The following 48 Battalion work orders were completed during the month of December 1968:

(1) Installed rigid pipes, fittings and repainted the three tanks at the Battalion water point, 1st Engineer Battalion.

(2) Installed an exhaust fan and wired the new Command bunker at 1st Engineer Battalion.

(3) Constructed a plywood partition for the Battalion gym in the building formerly used as the troop shower, 1st Engineer Battalion.

(4) Adjusted matting at Landing Zone 467, 1st Engineer Battalion to obtain a firm, flat surface.

(5) Graded area within the 1st Engineer Battalion CP to provide area for the recreation hut and handball court.

(6) Provided six floor drain covers 8" in diameter and made of  $\frac{1}{4}$ " plate to the 1st Engineer Battalion messhall.

(7) Constructed two tables, one with a utensil rack, for the messhall, 1st Engineer Battalion.

(8) Constructed three wooden platforms for use at the 1st Engineer Battalion messhall.

(9) Provided construction materials to Support Company, 1st Engineer Battalion, to erect roof and screen hut # 2319.

(10) Layed 200 meters of double apron wire at Hill 22, "A" Company, 1st Battalion, 7th Marines.

(11) Installed required electrical wiring, fixtures and plumbing in the shower/head at the Officers' Club, 1st Engineer Battalion.

(12) Constructed a Battalion Supply Office building utilizing materials from ABFC and 1st Engineer Battalion.

(13) Constructed nine boxes for messhall gear, 1st Engineer Battalion.

(14) Constructed a cabinet for the Chaplain, 1st Engineer Battalion.

(15) Constructed an ammo bunker for 3rd Battalion, 7th Marines. Materials were available at hill 37.

(16) Provided material and constructed a COC bunker at "G" Company, 2nd Battalion, 7th Marines.

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(17) Installed necessary wiring and electrical fixtures in the new Battalion Supply Office building, 1st Engineer Battalion.

(18) Constructed two standard desks for the Division Motor Transport Officer. Materials were provided by Division MTO.

(19) Repaired and renovated the living quarters at the Dai La water plant, 1st Engineer Battalion.

(20) Constructed nine lids for mount out boxes for the Utilities Section, 1st Engineer Battalion.

(21) Constructed headwalls on culverts along access road to Hill 10, 1st Battalion, 7th Marines.

(22) Provided 150 - 2"x2"x8" hub stakes with points to the Surveying Section, 1st Engineer Battalion.

(23) Submitted plan to improve the Officers bath house at 1st Engineer Battalion.

(24) Constructed a 20'x32' COC bunker at 1st Engineer Battalion.

(25) Installed necessary plumbing to provide H&S Company shower room with hot water.

(26) Repaired leaks in Unit # 6, Division Post Office, located at 1st Engineer Battalion.

(27) Filled, graded, ditched and applied oil to the road in front of the Main Gate (Route 4)(542), 1st Engineer Battalion.

(28) Waterproofed FDC, and S&C bunkers at the 11th Marines CP.

(29) Improved the LZ at hill 37. Provided adequate drainage and constructed retaining wall for 3rd Battalion, 7th Marines.

(30) Blew out an opening for an entrance in a French Bunker at hill 37 for 3rd Battalion, 7th Marines.

(31) Enlarged living quarters for the 1st platoon, "B" Company, 1st Engineer Battalion at 1st Battalion, 5th Marines CP.

(32) Replaced the drainage pipe in the GI can washing room at 1st Engineer Battalion messhall.

(33) Provided 300' of 1"x12" lumber to sheath building 2333 at the Dai La water plant, 1st Engineer Battalion.

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(34) Provided sufficient 18" culvert to improve drainage at the Bulk Fuel Farm, 1st Engineer Battalion.

(35) Repaired and improved the interior of the Conference Room, 1st Engineer Battalion.

(36) Cleared fields of fire along the access road to 3rd Battalion, 5th Marines.

(37) Issued 42 pieces of dressed 2xrandom lengths lumber to the Adjutant Section, 1st Marine Division.

(38) Replaced the concrete cover on the Septic tank at the Officers' Club, 1st Engineer Battalion.

(39) Constructed one concrete basketball court, 76'x36'x4", for 1st Engineer Battalion Special Services.

(40) Issued materials for the construction of shelves in the classroom at Landmine Warfare School, 1st Engineer Battalion.

(41) Fabricated two signs to read "DO NOT ENTER COURT-MARTIAL IN SESSION", for Legal Section, 1st Engineer Battalion.

(42) Constructed a company shower for "B" Company, 1st Engineer Battalion.

(43) Improved the well at the 3rd Battalion, 5th Marines CP water point.

(44) Constructed three - three foot high platforms for the water point at 1st Battalion, 5th Marines.

(45) Provided technical assistance in the construction of an NCO mess at the 5th Marine Regimental CP. Materials furnished by 5th Marines.

(46) Constructed a Vietnamese type structure for the widow of a deceased Vietnamese worker employed by the 1st Engineer Battalion.

(47) Installed Decontamination Apparatus, M12, at vehicle wash rack as indicated in CG, 1st Mar Div 131017Z Dec67 for 1st Engineer Battalion.

(48) Replaced hot water tank in the Officers shower, 1st Engineer Battalion.

## 7. Civil Affairs/Civic Action

a. On 3 December 1967, four loads of scrap steel were delivered to the Village of Hoa Phu to be used for reinforcing bunkers and to strengthen roofs of the poorly built homes in the village, and for reinforcing the shoulders of Route 5 to prevent collapsing during the monsoon season.

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b. The 1st Engineer Battalion is presently working on two programs for sanitation and hygiene in the five hamlets of the Village of Hoa Phu. One program is the training program for the Popular Forces Corpsman to include classes and practical application in the village clinic. The other program is the general cleanup of debris and garbage. PSYOP leaflets were dropped at Hoa Phu to further emphasize the necessity of keeping the area clean and bathing the children.

c. The 1st Engineer Battalion S-5 Section is currently working on all problems areas of the proposed cement block factory at Hoa Phu to include: cost of making the cement blocks, wages of personnel to be employed, an acceptable retail price, in the event a market exists for the blocks, and effects of seasonal market fluctuations, if any.

d. On 12 December 1967, 20 bags of cement were delivered to Hoa Phu for general repairs and patching of the five room school. At present, the part time carpenter has constructed seven benches, two chairs, one large cabinet, and made minor repairs on all the students' desks and benches.

e. On 15 December 1967, garden kits were delivered to the village of Hoa Phu to be used in transplanting seedlings to the main paddies. In addition, 350 toys were received for further distribution to the hamlets of Ninh An and Truc Song, in an effort to surpress Viet Cong sympathizers during the upcoming TET season.

f. On 23 December 1967, a house was constructed in Red Beach by engineers from "B" Company, 1st Engineer Battalion for a refugee settlement widow of a Vietnamese laborer for "B" Company, 1st Engineer Battalion who was killed by a Vietnamese vehicle on 10 December 1967. When it was learned that this man's wife and children did not have a home, volunteers were requested and scrap lumber was obtained to construct a small dwelling for the family. The home was completed on 23 December 1967.

g. The clinic at the Village of Hoa Phu (AT 923723) is continuing to provide medical assistance for approximately 3,000 people. In addition, to the five hamlets of the Village of Hoa Phu, people from surrounding hamlets are making use of the facility. A Vietnamese Nurse has been assigned to this clinic by the District Headquarters and commenced working on 28 December 1967. Also, a student nurse has been assigned and is working in the clinic.

h. On 22 December 1967, various items vitally required by the Village of Hoa Phu were delivered. These items included garden kits, soap, school kits and supplies, and 15 gallons of paint for the village school. In addition, 400 sanitation books were distributed to the children at the school to take home in an effort to improve sanitation and hygiene in the village.

### 8. Religious Affairs

a. Catholic and Protestant services were held at the Battalion Chapel on each Sunday at 0830 for Catholics and 1000 for Protestants.

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b. Catholic services held at 1st Engineer Battalion for the month of December 1967 totaled seven. Catholic services held for other units by the Battalion Chaplain totaled 21.

c. Christmas Midnight Mass was held at the Battalion Chapel by the Battalion Chaplain on 24 December 1967. Special Christmas Day services were held at the Battalion Chapel at 0830 for Catholics and 1000 for Protestants.

d. Bible Study discussion is held every Monday evening at the Battalion Chapel for the Protestant members of this Battalion.

e. Memorial services were held for one member of this battalion during the month of December 1967.

#### 9. Research and Development

a. During December 1967 this battalion conducted feasibility testing to include demonstrations, controlled tests, and operational employment of a Fuel Air Explosive (FAE) Device. The FAE Device consists of a canister containing 80 pounds of explosive liquid (fuel). A self-contained central burster charge, when detonated, creates a fuel cloud 50 feet in diameter and eight feet thick. Approximately 100 milliseconds after formation of the cloud, two delay charges detonate, thereby detonating the cloud. The total effect is to create a ground pressure of 350 psi. This ground pressure was considered to be a possible means of detonating mines.

b. Demonstration of the FAE consisted of detonating two devices, the primary purpose being to demonstrate the employment and effect of the unit.

c. Four controlled tests were conducted against various types of mines (M2A4, M-14, M-15, M16, M-19, and a wooden box mine). The results of this test indicated that the FAE is effective against all of the aforementioned mines with the exception of the M2A4 and the M-16.

d. Operational employment of the FAE was conducted on two separate occasions to clear fields of fire and potential enemy ambush sites. The unit proved quite effective in these defoliating operations. Further employment of the FAE is currently under consideration by higher headquarters.

#### PART IV

#### SUPPORTING DOCUMENTS

✓ TAB A	CO, "C" Co AA Rpt CJG/seh over 3480 of 14 Dec 1967
✓ TAB B	CO, "C" Co AA Rpt JRK/seh over 3480 of 13 Dec 1967
✓ TAB C	CO, "C" Co AA Rpt SEA/rwe over 3480 of 28 Dec 1967
✓ TAB D	CO, "B" Co AA Rpt GLN:ec over 3000 of 8 Dec 1967
✓ TAB E	CO, "C" Co AA Rpt CMS/seh over 3480 of 28 Dec 1967
✓ TAB F	CO, "C" Co AA Rpt CMS/seh over 3480 of 30 Dec 1967
✓ TAB G	ENG SITREPS (Filed Sep)

DOWNGRADED AT 3 YEAR INTERVALS;  
DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

UNCLASSIFIED

~~CONFIDENTIAL~~

COMPANY "C"  
 1st Engineer Battalion  
 1st Marine Division (Rein), FMF  
 FPO San Francisco 96602

CJG/seh  
 3480  
 14 Dec 1967

From: Commanding Officer  
 To: Commanding Officer, 2nd Battalion, 7th Marines  
 Via: Commanding Officer, 1st Engineer Battalion (Attn: S-3)  
 Subj: Combat After Action Report

Ref: (a) DivO 3480.1  
 (b) Map Vietnam 1:50,000 Series L7014 Sheet 6640IV

1. Code Name. Operation PITT
2. Dates of Operation. 3 December 1967 to 12 December 1967.
3. Location. Quan Hoa Vang, Quang Nam Province, RVN.
4. Command and Control Headquarters  

2nd Bn, 7th Marines	LtCol LOVE
2nd Plt, Co "C", 1st EngrBn	Sgt LEWIS
5. Task Organization. N/A
6. Supporting Forces. None.
7. Intelligence. ISUMS 2/7.
8. Mission. To provide close combat engineer support to 2nd Bn, 7th Marines in the area of operation.
9. Concept of Operation. 2nd Platoon, Company "C", 1st Engineer Battalion supported 2nd Bn, 7th Marines by clearing a landing zone and destroying all ordinance and duds.
10. Execution. All of the engineers left the 2/7 CP on 3Dec67 by helicopter and arrived at coordinates AT 872845 the same date to set up as a blocking force with 2nd Bn, 7th Marines.  
 On 5Dec67 (3) engineers went to coordinates AT 830865 to search a rice field for booby traps.

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 DOD DIR 5200.10

Tab A



On 6Dec67 (3) engineers went to coordinates AT 832866 to destroy an 8" artillery round and a 3.5 rocket round with 2 lbs. C-4.

On 7Dec67 (3) engineers in support of Golf 2/7 destroyed a 155 mm. round with 3 lbs. of TNT.

On 8Dec67 (3) engineers in support of Golf 2/7 blew down a tree with 3 lbs. of TNT to allow the company to cross the river.

On 11Dec67 (3) engineers in support of Echo 2/7 destroyed a helicopter that was resupplying the operation but had crashed at coordinates AT 876891 with 15 lbs. of C-4, (3) 3.5 rocket rounds, (6) 81 mm. mortar rounds (heat), and (5) 60 mm. mortar rounds (WP).

11. Results. One rice cacag was searched for booby traps, one 8" round, one 155 mm. round, and one helicopter were destroyed. One tree was blown across a river.

12. Administrative Remarks. None.

13. Special Equipment and Techniques. None.

14. Command Analysis. No unusual problems were encountered and the demolition work of the engineers was routine.

15. Recommendations. None.

*J. R. Kmaras*  
J. R. KMARAS

On 6Dec67 (3) engineers went to coordinates AT 832866 to destroy an 8" artillery round and a 3.5 rocket round with 2 lbs. C-4.

On 7Dec67 (3) engineers in support of Golf 2/7 destroyed a 155 mm. round with 3 lbs. of TNT.

On 8Dec67 (3) engineers in support of Golf 2/7 blew down a tree with 3 lbs. of TNT to allow the company to cross the river.

On 11Dec67 (3) engineers in support of Echo 2/7 destroyed a helicopter that was resupplying the operation but had crashed at coordinates AT 876891 with 15 lbs. of C-4, (3) 3.5 rocket rounds, (6) 81 mm. mortar rounds (heat), and (5) 60 mm. mortar rounds (WP).

11. Results. One rice cacag was searched for booby traps, one 8" round, one 155 mm. round, and one helicopter were destroyed. One tree was blown across a river.

12. Administrative Remarks. None.

13. Special Equipment and Techniques. None.

14. Command Analysis. No unusual problems were encountered and the demolition work of the engineers was routine.

15. Recommendations. None.

DOWNGRADED AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

## COMPANY "C"

1st Engineer Battalion  
1st Marine Division (Rein), FMF  
APO San Francisco 96602

JRK/sch  
3480  
13 Dec 1967

From: Commanding Officer  
To: Commanding Officer, 1st Battalion, 7th Marines  
Via: Commanding Officer, 1st Engineer Battalion

Subj: Combat After Action Report

Ref: (a) DivO 3480.1  
(b) Map Vietnam 1:50,000 Series L7014 Sheet 6640IV

1. Code Name. Operation THOR
2. Dates of Operation. 6 December 1967 to 10 December 1967
3. Location. Dien Ban, Quang Nam Province, RVN.
4. Command and Control Headquarters.

Co "B", 1st Bn, 7th Marines	1st Lt MOFFET
1st Plt, Co "C", 1st Engr Bn	Cpl GRUPE
5. Task Organization. N/A
6. Supporting Forces. None.
7. Intelligence. ISUMS, 7th Marine Regiment.
8. Mission. To provide close combat engineer support to "B" Company, 1st Battalion, 7th Marine Regiment.
9. Concept of Operation. Two (2) engineers from 1st Platoon, Company "C", 1st Engineer Battalion were in direct support of Company "B", 1st Battalion, 7th Marines.

DOWNGRADED AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS  
DOD DIR 5200.10

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Tab 6

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10. Execution. On 6Dec67 two (2) engineers from 1st Platoon, Company "C", 1st Engineer Battalion departed with Company "B", 1st Battalion, 7th Marines from Hill #55 (AT 966615) toward the Song Thu Bon river (AT 966563).

On 8Dec67 one (1) heavily fortified family bunker, coordinates (AT 960574) was destroyed using  $7\frac{1}{2}$  lbs. C-4. One (1) 105 mm. Howitzer round, coordinates (AT 960574), was destroyed with  $2\frac{1}{2}$  lbs. of C-4. One (1) tunnel, at coordinates (AT 958573), was destroyed using 5 lbs. of C-4.

On 9Dec67 two (2) fortified bunkers at coordinates (AT 957568) were destroyed using a total of 15 lbs. of C-4.

On 10Dec67 one (1) 105 mm. Howitzer round, coordinates (AT 946554) was destroyed using  $1\frac{1}{2}$  lbs. C-4.

11. Results. Three (3) bunkers were destroyed using a total of  $22\frac{1}{2}$  lbs. of C-4. One (1) tunnel was destroyed using a total of 5 lbs. of C-4. Two (2) 105 mm. Howitzer rounds were destroyed using a total of 4 lbs. of C-4.

12. Administrative Remarks. None.

13. Special Equipment and Techniques. None.

14. Command Analysis. No unusual problems were encountered and the demolition work of the engineers was routine.

*J. R. Kmaras*  
J. R. KMARAS

DOWNGRADED AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS  
DOD DIR 5200.10

~~CONFIDENTIAL~~

COMPANY "C"  
1st Engineer Battalion  
1st Marine Division (Rein), FMP  
FPO San Francisco 96802

SEA/rwe  
3480  
28 Dec 1967

From: Commanding Officer  
To: Commanding Officer, 3rd Battalion, 7th Marines  
Via: Commanding Officer, 1st Engineer Battalion

Subj: Combat After Action Report

Ref: (a) DivO 3480.1  
(b) Map Vietnam 1:50,000 Series

1. Code Name. Citrus.
2. Dates of Operation. 0800H 15 December 1967 to 1200H December 1967.
3. Location. Quan Dai Loc and Quan Duc Duc, Quang Nam Province, RVN.
4. Command and Control Headquarters  

3rd Bn, 7th Marines	LtCol BERNARD
3rd Plt, Co "C", 1st EngrBn	LCpl JOHNSON
5. Task Organization. N/A.
6. Supporting Force. None.
7. Intelligence. ISUMS, 3rd Bn 7th Marines.
8. Mission. To provide close combat engineer support to a team from 1st Recon Bn in the area of operation.
9. Concept of Operation. Six (6) engineers from 3rd Plt, Company "C", 1st Engineer Battalion went in direct support of 3rd Bn, 7th Marines in order to perform demolition work.
10. Execution. On 15 December 1967 six (6) engineers departed the 3/7 CP for Operation CITRUS.  
 On 16 December 1967 engineers in support of Mike 3/7 located, at coordinates 833507 and destroyed (2) tunnels with 20 lbs C-4 and (1) 250 lb. bomb with 2 1/2 lbs C-4, at coordinates 832507. They also destroyed at coordinates 825505 (2) 105 mm. rounds with 5lbs. C-4.

DOWNGRADED AT 3 YEAR INTERVALS;  
DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

Tab c

On 1 December 1967 engineers in support of Mike 317 located at coordinates 870544 destroyed (1) 60 mm mortar round and destroyed with 2 1/2 lbs. of C-4.

On 18 December 1967 an engineer in support of Mike 317 located at coordinates 870544 destroyed (1) tunnel with 10 lbs. C-4 and (2) bunkers with 60 lbs. C-4 at coordinates 870544. At coordinates 866543 they destroyed (1) 155 mm round with 2 1/2 lbs. C-4.

On 19 December 1967 engineers in support of Kilo 3/7 located at coordinates 864535 destroyed (1) 10 ft. section of bridge with 4 lbs. C-4 and (1) family bunker with 7 1/2 lbs. C-4 at coordinates 865534. Engineers in support of Lima 3/7 located at coordinates 865538 and destroyed (4) trench bunkers with 40 lbs. C-4 and (1) 60mm and (2) M26 grenades with 1 1/2 lbs. C-4 at coordinates 872531. Engineers in support of Mike 217, located at coordinates 870544, destroyed (1) bamboo bridge with 5 lbs. C-4 and (1) tunnel with 15 lbs. C-4 and a 155mm. round at coordinates 828870.

On 20 December 1967 engineers in support of Kilo 317 located at coordinates 827514 destroyed (1) M26 grenade with 1 lb. TNT and (1) family bunker with 9 lbs TNT. Engineers in support of Mike 317 at coordinates 814514 destroyed (1) tunnel with 5 lbs. C-4 and LAAW.

On 21 December 1967 engineers in support of Kilo 3/7 destroyed (1) 155mm. round with 4 lbs. TNT and (1) 105mm. round with 3 lbs. TNT.

On 22 December 1967 engineers in support of Kilo 3/7 destroyed (14) family bunkers with 70 1/2 lbs. C-4 in the vicinity of coordinates 8249 to 8352 and (1) house with 5 lbs. C-4 in the vicinity of coordinates 8655.

On 23 December 1967 engineers in support of Kilo 317 destroyed (3) family bunkers with 15 lbs. C-4 and (1) house with 12 1/2 lbs. C-4 in the vicinity of coordinates 8655.

11. Five (5) tunnels with 50 lbs. C-4, twenty one (21) family bunkers with 153 lbs. C-4 and 9 lbs. of TNT, two (2) houses with 17 1/2 lbs. C-4, four (4) trench bunkers with 40 lbs. C-4, one (1) bamboo bridge with 5 lbs. C-4, and (1) 10 ft. section of bridge with 4 lbs. C-4 were destroyed. One (1) 250 lb bomb with 2 1/2 lbs of C-4, two (2) 155mm. rounds with 6 1/2 lbs. C-4, and (1) 81mm. mortar round with 2 1/2 lbs C-4, three (3) 105mm. rounds with 5 lbs C-4 and 3 lbs TNT, and three (3) M26 grenades and one (1) 60mm. with 1 1/2 lbs. TNT were destroyed.

12. Administrative Remarks. None.

13. Special Equipment and Techniques. None.

14. Command Analysis. No unusual problems were encountered and the demolition work of the engineers was routine.

15. Recommendations. None.

*J. R. Kmaras*  
J. R. KMARAS

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DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

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COMPANY "B"  
1st Engineer Battalion  
1st Marine Division (Rein) FMF  
FPO, San Francisco, California 96602

CLN:ec  
3060  
3 Dec 1967

From: Commanding Officer  
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat Operation After Action Report

Ref: (a) Bn 3480  
(b) Maps of Vietnam: Series L7014, Sheet number 654C IV

Encl: (1) 2nd Platoon report submitted by 2nd Platoon Leader  
(2ndLt. N. C. TRACY)

1. Code Name. No name
2. Date. 5 December 1967 to 6 December 1967.
3. Location. Province of Quan Duc Duc of the Republic of Vietnam.
4. Control or Command Headquarters.
  - a. Commanding Officer, Second Battalion, Fifth Marines- Lieutenant Colonel MCNEUGTON, USMC.
  - b. Commanding Officer, "F" Company, Second Battalion, Fifth Marines- Captain DOWNS, USMC.
  - c. Commanding Officer, "A" Company, Second Battalion, Fifth Marines- Captain BOWERS, USMC.
  - d. Commanding Officer, "B" Company, 1st Engineer Battalion - First Lieutenant G. L. NEWKIRK, USMC.
  - e. Platoon Commander, Second Platoon, "B" Company, 1st Engineer Battalion - Second Lieutenant N. C. TRACY, USMC.
5. Task Organization. Company "B" had one (1) squad from the Second Platoon attached to 2nd Battalion, 5th Marines.
6. Supporting Forces. Not Applicable.
7. Intelligence. In the briefing given prior to the operation, no significant Engineer intelligence was promulgated.
8. Mission. To provide direct combat Engineer support for the Second Battalion, Fifth Marines.
9. Concept of Operation. Search and destroy operation.
10. Execution. See enclosure (1).
11. Results. See enclosure (1).
12. Administrative Matters. None
13. Special Equipment and Techniques. None
14. Analysis. This operation was a small search and destroy operation in which available combat Engineer support was in general adequately and appropriately utilized. There were no reports of misuse of inadequate Engineers.
15. Recommendations. None

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DOD DIR 5200.10

G. L. NEWKIRK

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## 1. Execution.

a. A chronological synopsis of significant engineer activity of Company "B" during this operation follows:

(1) 5Dec67-Engineers attached to the Command Group used 130 lbs of C-4 to destroy a tunnel complex at BT899505

(2) 5Dec67-Engineers with the Command Group used 125 lbs of C-4 to destroy a bunk/tunnel complex at BT903507.

(3) 5Dec67 - Engineers of Company "F" destroyed two (2) Chi Com grenades & one (1) boobytrap at 913518 using 5 lbs of C-4.

(4) 5Dec67 - The attached Engineers of "F" Company used 55 lbs of C-4 to destroy a tunnel/bunker complex at 913518.

(5) 5Dec67 - The Engineers of "H" Company used 93 lbs of C-4 to destroy three (3) M-26 grenades rigged as booby traps with trip wires at BT898513

(6) 5Dec67 - Engineers attached to "H" Company use 260 lbs of C-4 to destroy a cave/tunnel complex at BT898513.

(7) 6Dec67 - The Engineers attached to the Command Group used 150lbs of C-4 to destroy tunnel/bunker complex at BT908505.

(8) 6Dec67 - Engineers of the Command Group destroyed black powder, fuzes and (5) five boxes for box mines using 05 lbs of C-4.

## 2. Results.

a. No engineers WIA or KIA .

b. The total weight of C-4 used on this operation was 733 lbs. of C-4.

## 3. Assignments.

### a. Battalion CP.

Sgt G. MURRAY

Cpl J. L. MORROW

LCpl R. GARCIA

LCpl W. C. JOHNSON

### b. "F" Company.

LCpl R. T. CRAIG

LCpl E. H. TORGENSON

### c. "H" Company.

LCpl P. B. DALEY

LCpl C. E. DILLENBURG

(ENCLOSURE (1))

~~CONFIDENTIAL~~

COMPANY "C"  
 1st Engineer Battalion  
 1st Marine Division (Rein), FMF  
 FPO San Francisco 96602

CMS/seh  
 3480  
 28 Dec 1967

From: Commanding Officer  
 To: Commanding Officer, 1st Reconnaissance Battalion  
 Via: Commanding Officer, 1st Engineer Battalion (Attn: S-3)  
 Subj: Combat After Action Report

Ref: (a) DivO 3480.1  
 (b) Map Vietnam 1:50,000 Series L 7014 Sheet 6640IV

1. Code Name. None.
2. Dates of Operation. 10 December 1967 to 15 December 1967.
3. Location. Duy Xuyen, Quang Nam Province, RVN.
4. Command and Control Headquarters  

1st Recon Bn	Maj. WALKER
1st Plt., "C" Co., 1st Engr Bn	Pvt. MASTERSON
5. Task Organization. N/A.
6. Supporting Forces. None.
7. Intelligence. ISUMS, 1st Recon Bn
8. Mission. To provide close combat engineer support to a team from 1st Recon Bn in the area of operation.
9. Concept of Operation. One (1) engineer from 1st Plt., "C" Company, 1st Engineer Battalion went in direct support of a team from 1st Recon Bn in order to clear a landing zone and other areas to be used of mines and boobytraps.
10. Execution On 10 December 1967 one (1) engineer departed the 1st Recon Bn area to an observation post located at coordinates (AT 997463). The observation post was swept and no mines or booby traps were found.  
 On 15 December 1967 an area from the observation to the landing zone coordinates (AT 005468) was swept and no ordinance was found. On 15 Dec 1967 the engineer returned to the 1st Engineer Battalion area.

DOWNGRADED AT 3 YEAR INTERVALS;  
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Tab E



~~RESTRICTED~~  
~~RESTRICTED~~

11. Results. One (1) observation post and one (1) landing zone was swept but no mines or boobytraps were found.
12. Administrative Remarks. None.
13. Special Equipment and Techniques. N/A.
14. Command Analysis. No unusual problems were encountered and demolition work of the engineers was routine.
15. Recommendations. It is recommended that the landing zone should be checked for boobytraps and other type mines before it is used again.

*J R Kmaras*  
J. R. KMARAS

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DECLASSIFIED AFTER 12 YEARS.  
DOD DIR 5200.10

~~RESTRICTED~~  
~~RESTRICTED~~

~~CONFIDENTIAL~~

1st Engineer Battalion (1) and 1st Marine Division (Rein), FMF  
 FPO San Francisco 96602  
 CMS/seh  
 3480.1  
 30 Dec 1967

From: Commanding Officer  
 To: Commanding Officer, 1st Reconnaissance Battalion  
 Via: Commanding Officer, 1st Engineer Battalion (Attn: S-3)

Subj: Combat After Action Report

Ref: (a) Divo 3480.1  
 (b) Map Vietnam 1:50,000 Series L7014 Sheet 6640IV

1. Code Name. None.
2. Dates of Operation. 19 December 1967 to 27 December 1967.
3. Location. Duy Xuyen, Quang Nam Province, RVN
4. Command and Control Headquarters  

1st Recon Bn	Maj. WALKER
1st Plt., Co "C", 1st Engr Bn	LCpl MCAVOY
5. Task Organization. N/A.
6. Supporting Forces. None.
7. Intelligence. ISUMS, 1st Recon Bn.
8. Mission. To provide close combat engineer support to a team from 1st Recon Bn in the area of operation.
9. Concept of Operation. One (1) engineer from 1st Platoon, Company "C", 1st Engineer Battalion, was in direct support of a team from 1st Recon Bn in order to clear used areas of mines and boobytraps.
10. Execution. On 19 December 1967 one (1) engineer departed 1st Recon Bn to a landing zone located at coordinates (BT 016465). The landing zone was swept with negative results.  
 On 25 December 1967 One (1) M-26 fragmentation grenade was destroyed using  $\frac{1}{2}$  lb. TNT at coordinates (BT 016465).  
 On 27 December 1967 one (1) engineer returned to the 1st Engineer Battalion CP.

DOWNGRADED AT 3 YEAR INTERVALS  
 DECLASSIFIED AFTER 12 YEARS  
 DOD DIR 5200.10

~~CONFIDENTIAL~~

Tab F

~~CONFIDENTIAL~~

11. Results. One (1) landing zone was swept. One (1) M-26 fragmentation grenade was destroyed using 1 lb. TNT.
12. Administrative Remarks. None.
13. Special Equipment and Techniques. None.
14. Command Analysis. No unusual problems were encountered and the demolition work of the engineer was routine.
15. Recommendations. That the landing zone be swept before being used again.

*J. R. Kmaras*  
J. R. KMARAS

DECLASSIFIED AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS  
DOD DIR 5200.10