

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City, Metro Manila

Fifteenth Congress
Second Regular Session



5713

House Bill No. _____

Introduced by Honorable Rosendo S. Labadlabad

EXPLANATORY NOTE

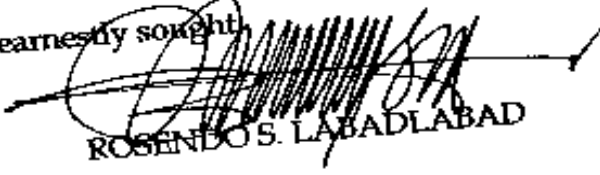
Article II of our Constitution, on State Policies provides that "the State Recognizes the vital role of communications and information in nation building". (Section 24).

It is in the light of this policy that **MILLAWAVE SYSTEMS CORPORATION, (MILLAWAVE)** wholly owned and managed by Filipinos, has been, primarily conceived and formally organized. Imbued with the strong enthusiasm and conscious of their material and technological resources and capabilities, the incorporators have concretized their plan and vision to contribute their share in the enhancement of the social and economic growth of the country through public service and information dissemination.

It is the primary aim of **MILLAWAVE SYSTEMS CORPORATION**, to bring about progress by utilizing, broadcasting as its medium, given the fact that technology has become so advanced that global relations and national development are received and transmitted to a wide range of coverage at a very fast pace, and through digitalized data, information and news.

MILLAWAVE by this, is applying for a congressional franchise to install, operate and maintain radio and television broadcast stations in the Visayas and Mindanao.

Hence the passage of this bill is earnestly sought.


ROSENDO S. LABADLABAD

Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City, Metro Manila

Fifteenth Congress
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House Bill No. **5713**

Introduced by Honorable Rosendo S. Labadlabad

AN ACT

GRANTING THE MILLAWAVE SYSTEMS CORPORATION (MILLAWAVE) A FRANCHISE TO CONSTRUCT, ESTABLISH, INSTALL, MAINTAIN AND OPERATE FOR COMMERCIAL PURPOSES AND IN THE PUBLIC INTEREST, RADIO AND TELEVISION BROADCAST STATIONS IN VISAYAS AND MINDANAO.

Be it enacted by the Senate and House of Representative of the Philippines in Congress assembled:

SECTION 1. Nature and Scope of Franchise - Subject to the provisions of the Constitution and applicable laws, rules and regulations, there is hereby granted to Millawave Systems Corporation (Millawave), hereunder referred to as the grantee, it's successors or assigns, a franchise to construct, establish, install, maintain and operate for commercial purposes and in the public interest, radio and television broadcast stations in Visayas and Mindanao, utilizing the technological advances or innovations in the future; to originate, distribute, transmit, and receive through said systems, news and documentaries, entertainment, informational and educational radio and television programs, both live and recorded; and to establish, construct, maintain and operate such other systems as are essential or convenient to carry out the purpose of this franchise.

SECTION 2. Manner of Operation of Stations or Facilities. - The stations or facilities of the grantee shall be constructed and operated in a manner as will at most result only in the minimum interference on the wavelengths or frequencies of the existing stations or other stations which may be established by law, without in any way diminishing its own right to use its selected wavelengths or frequencies and the quality of transmission or reception thereon as should maximize rendition of the grantee's services and/or the availability thereof.

SECTION 3. Authority of the National Telecommunications Commission. - The grantee shall secure from the National Telecommunications Commission (NTC), hereinafter referred to as the Commission, a certificate of public convenience and or the appropriate permits, and licenses for the location, construction, installation and operation of its broadcast stations. In issuing the certificate, the Commission shall have the power to impose such

conditions relative to the construction, operation, maintenance or service level of the broadcast stations. The Commission shall have the authority to regulate the construction and operation of its broadcast stations. The grantee shall not use any frequency in the radio spectrum without having been authorized by the Commission. Such certificate shall state the areas covered and date the grantee shall commence the service. The Commission, however, shall not unreasonably withhold or delay the grant of any such authority, permits or license.

SEC. 4. Responsibility to the Public. - The grantee shall provide adequate public service line to enable the government through the said radio and television stations, to reach the population on important public issues; provide at all times sound and balanced programming, promote public participation such as in community programming; assist in the functions of public information and education; conform to the ethics of honest enterprise and shall not use its stations for the transmission of obscene or indecent language, speech, act, or scene, or for the dissemination of deliberately false information or willful misrepresentation to the detriment of the public interest or to incite, encourage, or assists in subversive or treasonable acts.

The grantee shall operate and maintain all its broadcast stations, and equipment for the transmission and reception of messages, signals and pulses in a satisfactory manner at all times, and as far as economical and practicable, modify, improve or change such operating equipment and facilities to keep abreast with the advances in science and technology.

SECTION 5. Right of Government. - A special right is hereby reserved to the President of the Philippines in times of war, rebellion, public peril, calamity emergency, disaster or disturbance of peace and order, to temporarily take over and operate the stations, transmitters, facilities or equipment of the grantee, to temporarily suspend the operation of any station, transmitter, facility or equipment in the interest of public safety, security and public welfare, or to authorize the temporary use and operation thereof by any agency of the government, upon the compensation to the grantee for the use of said stations, transmitters, facilities or equipment during the period when they shall be so operated.

The radio spectrum is a finite resource that is part of the national patrimony and the use thereof is a privilege conferred upon the grantee by the State and may be withdrawn anytime, after due process.

SECTION 6. Term of Franchise. - This franchise shall be for a term of twenty-five (25) years from the date of effectivity of this Act, unless sooner revoked or cancelled. This franchise shall be deemed ipso facto revoked, in the event the grantee fails to comply with any of the following conditions:

- (a) Commence operations within one (1) year from the approval of its operating permit or provisional authority by the NTC;
- (b) Operate continuously for two (2) years; and
- (c) Commence operations within three (3) years from the effectivity of this Act.

SECTION 7. Acceptance and Compliance. - Acceptance of this franchise shall be given in writing within sixty (60) days from the effectivity of this Act. Upon giving such acceptance, the grantee shall exercise the privileges granted under this Act. Nonacceptance shall render the franchise void.

SECTION 8. Bond. - The grantee shall file a bond issued in favor of the National Telecommunications Commission, which shall determine the amount, to guarantee the compliance with and fulfillment of the conditions under which this franchise is granted. If after three (3) years from the date of the approval of its permit by the Commission, the grantee shall have fulfilled the same, the bond shall be cancelled by the Commission. Otherwise, the bond shall be forfeited in favor of the government and the franchise *ipso facto* revoked.

SECTION 9. Tax Provisions. - The grantee, its successors or assigns, shall be subject to the payment of taxes, duties, fees or charges and other impositions under the National Internal Revenue Code (NIRC) of 1997, as amended and other applicable laws: *Provided*, That nothing herein shall be construed as repealing any specific tax exemptions, incentives or privileges, benefits and exemptions accorded to existing and future broadcasting station franchises shall likewise be extended to the grantee.

The grantee shall file the return with the province where its facility is located, and pay the taxes due thereon to the Commissioner of Internal Revenue or his duly authorized representatives in accordance with the NIRC and the return shall be subject to audit by the Bureau of Internal Revenue.

SECTION 10. Self Regulation by and Undertaking of Grantee. - The grantee shall not require any previous censorship of any speech, play, act or scene or other matter to be broadcast from its station; *Provided*, That the grantee, during any broadcast, shall cut off from the air the speech, play, act or scene, or other matter being broadcast if the tendency thereof is to propose and/or incite reason, rebellion or sedition; or the language use therein or the theme thereof is indecent or immoral and willful failure to do shall constitute a valid cause for the cancellation of this franchise.

SECTION 11. Warranty in Favor of National and Local Governments. - The grantee shall hold the national, provincial, city and municipal governments of the Philippines harmless from all claims, accounts, demands or actions arising out of accidents or injuries, whether to property or to persons, caused by the construction or operation of the stations of the grantee.

SECTION 12. Non Transferability of Franchise. - The grantee shall not lease, transfer, grant the usufruct of, sell nor assign this franchise or the rights and privileges acquired there under to any person, firm, company, corporation or other commercial or legal entity, nor merge with any corporation or entity, nor shall the controlling interest in the grantee be transferred, whether as a whole or in part and whether simultaneously or contemporaneously, to any such person, firm, company, corporation or entity without the prior approval of the Congress of the Philippines. Any person or entity to which this franchise is sold transferred or assigned, shall be subject to the same conditions, terms, restrictions and limitation of this Act.

SECTION 13. Dispersal of Ownership. - In accordance with the constitutional provisions to encourage public participation in the public utilities, the grantee shall offer at least thirty per centum (30%) of its outstanding capital stock or a higher percentage that may hereafter be provided by law in any securities exchange in the Philippines within five (5) years from the time it has achieved the status of a national broadcasting network. A"

national broadcasting network" is hereby defined as one that operates three (3) or more radio and/or television stations. Noncompliance therewith shall render the franchise ipso facto revoked.

SECTION 14. Equality Clause. - Any advantages, favor, privileges, exemptions or immunity granted under existing franchises, or which may be hereunder be granted for radio and/or television broadcasting, shall be *ipso facto* become part of this franchise and shall be accorded immediately and unconditionally to the herein grantee: *Provided, however,* That the foregoing shall neither apply to nor affect the provisions of the broadcasting franchises concerning territory covered by the franchise, the lifespan of the franchise or the type of service authorized by the franchise.

SECTION 15. General Broadcast Policy. - The grantee shall comply with and be subject to the provisions of a general broadcast policy law, which Congress may hereafter enact.

SECTION 16. Reportorial Requirement. - The grantee shall submit an annual report to the Congress of the Philippines on its compliance with the terms and conditions of the franchise and on its operations within sixty (60) days from the end of every year.

SECTION 17. Separability Clause. - If any of the sections or provisions of this Act is held invalid, all other provisions not affected thereby, shall remain valid.

SECTION 18. Repealability and Nonexclusivity Clause. - This franchise shall be subject to amendment, alteration, or repeal by Congress of the Philippines when the public interest so requires and shall not be interpreted as an exclusive grant of the privileges herein provided for.

SECTION 19. Effectivity Clause. - This act shall take effect fifteen (15) days from the date of its publication in at least two (2) newspapers of general circulation in the Philippines.

Approved.

MILLAWAVE SYSTEMS CORPORATION

Certificate of Incorporation

Articles of Incorporation and By-Laws



REPUBLIC OF THE PHILIPPINES
SECURITIES AND EXCHANGE COMMISSION
SEC Building, EDSA, Greenhills
City of Mandaluyong, Metro Manila

COMPANY REG. NO. CS201109793
COMPANY TIN 008-060-606

CERTIFICATE OF INCORPORATION

KNOW ALL PERSONS BY THESE PRESENTS:

This is to certify that the Articles of Incorporation and By-Laws of

MILLAWAVE SYSTEMS CORPORATION

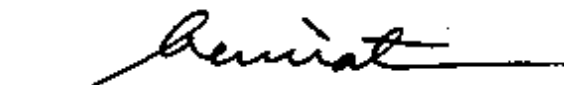
were duly approved by the Commission on this date upon the issuance of this Certificate of Incorporation in accordance with the Corporation Code of the Philippines (Batas Pambansa Blg.68), and copies of said Articles and By-Laws are hereto attached.

This Certificate grants juridical personality to the corporation but does not authorize it to undertake business activities requiring a Secondary License from this Commission such as, but not limited to acting as: broker or dealer in securities, government securities eligible dealer (GSED), investment adviser of an investment company, close-end or open-end investment company, investment house, transfer agent, commodity/financial futures exchange/broker/merchant, financing company, pre-need plan issuer, general agent in pre-need plans and time shares/club shares/membership certificates issuers or selling agents thereof. Neither does this Certificate constitute as permit to undertake activities for which other government agencies require a license or permit.

As a registered corporation, it shall submit annually to this Commission the reports indicated at the back of this certificate.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of this Commission to be affixed at Mandaluyong City, Metro Manila, Philippines, this 7th day of June, Twenty Eleven.




BENITO A. CATARAN
Director
Company Registration and Monitoring Department



COVER SHEET

[illegible]

S.E.C. Registration Number

[illegible]

(Company's Full Name)

U902 OSMA BLDG., SAN MIGUEL AVE
PASIG CITY, METRO MANILA

(Business Address: No. Street City / Town / Province)

EDUARDO N. MILLANA

Contact Person

4709986

Company Telephone Number

1 2 3 1

Month

Day

Fiscal Year

A	I	B	L	
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FORM TYPE

03 31

Microsoft

Day

Annual Meeting

Secondary License Type, If Applicable

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Dept. Requiring this Doc.

Amended Articles Number/Section

Total No. of Stockholders

Total Amount of Borrowings

Domestic

Foreign

To be accomplished by SEC Personnel concerned

[illegible]

File Number

LCU

LCU

[illegible]

Document I.D.

Cashier

STAMPS

(STOCK)

ARTICLES OF INCORPORATION

OF

MILLAWAVE SYSTEMS CORPORATION

(Name of Corporation)

Know All Men By These Presents:

The undersigned incorporators, all of legal age and majority of whom are residents of the Philippines, have this day voluntarily agreed to form a stock corporation under the laws of the Republic of the Philippines.

THAT WE HEREBY CERTIFY:

FIRST: The name of this corporation shall be:

MILLAWAVE SYSTEMS CORPORATION

SECOND: A. That the primary purpose of this corporation is

To establish a Multi-media, Multi-platform IP data casting, Radio, TV and Satellite Broadcasting, Pay TV, Multi-casting and Internet distribution network. To engage in the development, production and distribution of media content and software, value added services and network operation. To offer services as system integrator, lease of its facility, bandwidth and carrier and to engage in the business of manufacturing, trade, sell and distribution of multi-media product, software, hardware, broadcast and communication equipment and related products.

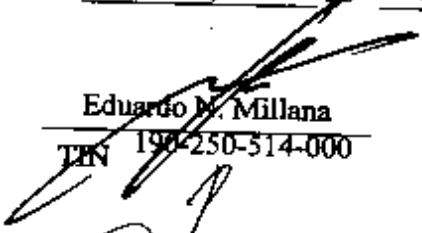


W. Williams

2

ELEVENTH: That the incorporators undertake to change the name of the corporation immediately upon receipt of notice or directive from the Securities and Exchange Commission that another corporation, partnership or person has acquired a prior right to the use of that name or that the name has been declared as misleading, deceptive, confusingly similar to a registered name, or contrary to public morals, good customs or public policy.

IN WITNESS WHEREOF, we have set our hands this 16th day of May 20 11 at Pasig City


Eduardo N. Millana

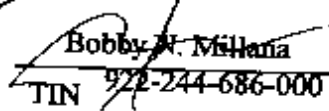
TIN 190-250-514-000


Macrina N. Millana

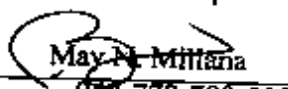
TIN 920-409-950-000


Marjorie P. Millana

TIN 166-621-587-000


Bobby N. Millana

TIN 922-244-686-000


May N. Millana

TIN 948-778-789-000

TIN

TIN

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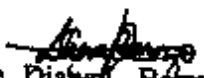
TIN

TIN

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WITNESSES:


Aelyn S. Mapoy


Ma. Diana L. Barrozo

(All incorporators appearing on the fifth article and the two witnesses should affix their signatures on the blanks provided in this page above their respective names.)

ACKNOWLEDGEMENT

Republic of the Philippines)

S.S.

QUEZON CITY

QUEZON CITY

BEFORE ME, a Notary Public in and for _____ Philippines, this
day of MAY 23 2011 personally appeared:

Name	Community Tax Certificate No.	Date & place Issued
Eduardo N. Millana	03257821	01/07/11 Butuan City
Macrina N. Millana	03275894	01/20/11 Butuan City
Marjorie P. Millana	03288341	01/12/11 Butuan City
Bobby N. Millana	18541654	05/10/11 Butuan City
May N. Millana	18542735	04/05/11 Butuan City

all known to me and to me known to be the same persons who executed the foregoing Articles of Incorporation and they acknowledged to me that the same is their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal on the date and at the place first above written.

ATTY. JOEL G. GORDOLA
NOTARY PUBLIC
NOTARIAL COMMISSION NO. NP-052
COMMISSION EXPIRES DECEMBER 31, 2011
PTR NO. 4559910; DOB 2011; O.C.
IBP NO. 774185; 1/12/2010; O.C.
ROLL OF ATTORNEY NO. 25103

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Book No. 1
Series of 1

TREASURER'S AFFIDAVIT

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF) S.S
PROVINCE QUEZON CITY)

I, Rachelle Rosanna S. Papa being duly sworn, depose and say:

That I have been elected by the subscribers of the corporation as Treasurer thereof, to act as such until my successor has been duly elected and qualified in accordance with the by-laws of the corporation, and that as such Treasurer, I hereby certify under oath that at least 25% of the authorized capital stock of the corporation has been subscribed and at least 25% of the subscription has been paid, and received by me in cash property for the benefit and credit of the corporation.

This is also to authorize the Securities and Exchange Commission and Bangko Sentral Ng Pilipinas to examine and verify the deposit in the Banco De Oro Universal Bank Shaw Blvd-Escriva Drive

(Name of Bank) (Branch)
in my name as treasurer in trust for the Millawave Systems Corporation
(Name of Corporation)
in the amount of one million pesos (P 1,000,000.00)

representing the paid-up capital of the said corporation which is in the process of incorporation. This authority is valid and inspection of said deposit may be made even after the issuance of the Certificate of Incorporation to the corporation. Should the deposit be transferred to another bank prior to or after incorporation, this will also serve as authority to verify and examine the same. The representative of the Securities and Exchange Commission is also authorized to examine the pertinent books and records of accounts of the corporation as well as all supporting papers to determine the utilization and disbursement of the said paid-up capital.

In case the said paid-up capital is not deposited or withdrawn prior to the approval of the articles of incorporation, I, in behalf of the above named corporation, waive our right to a notice and hearing in the revocation of our Certificate of Incorporation.

Rachelle Rosanna S. Papa

Treasurer

20 MAY 2011

SUBSCRIBED AND SWORN to before me this 20 day of MAY, 2011
at QUEZON CITY, Philippines, affiant exhibiting to me his Community Tax
Certificate No. 20087518 issued at Quezon City, on 02/01/2011

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Series of 2011

SC-97-01

Thomas F. Bulay Jr.
NOTARY PUBLIC
Until December 31, 2012
Roll No. 16583 / March 13, 1961
IBP No. 801359 / 01-03-11-Q.C.
STR No. 4559221 / 01-03-11-Q.C.
MCLE EXEMPTED
conformed copy

(STOCK)

BY - LAWS

OF

MILLAWAVE SYSTEMS CORPORATION

(Name of Corporation)

ARTICLE I

SUBSCRIPTION, ISSUANCE AND TRANSFER OF SHARES

Section 1. Subscriptions - Subscribers to the capital stock of the corporation shall pay the value of the stock in accordance with the terms and conditions prescribed by the Board of Directors. Unpaid subscriptions shall not earn interest unless determined by the Board of Directors.

Section 2. Certificate - The stockholder shall be entitled to one or more certificates for fully paid stock subscription in his name in the books of the corporation. The certificates shall contain the matters required by law and the Articles of Incorporation. They shall be in such form and design as may be determined by the Board of Directors and numbered consecutively. The certificate shall be signed by the President, countersigned by the Secretary or Assistant Secretary, and sealed with the corporate seal.

Section 3. Transfer of Shares - Subject to the restrictions, terms and conditions contained in the Articles of Incorporation, shares may be transferred, sold, assigned or pledged by delivery of the certificates duly indorsed by the stockholder, his attorney-in-fact, or other legally authorized person. The transfer shall be valid and binding on the corporation only upon record thereof in the books of the corporation. The Secretary shall cancel the stock certificates and issue new certificates to the transferee.

No share of stock against which the corporation holds unpaid claim shall be transferable in the books of the corporation.

All certificates surrendered for transfer shall be stamped "Cancelled" on the face thereof, together with the date of cancellation, and attached to the corresponding stub with the certificate book.

Section 4. Lost Certificates - In case any stock certificate is lost, stolen, or destroyed, a new certificate may be issued in lieu thereof in accordance with the procedure prescribed under Section 73 of the Corporation Code.

ARTICLE II

MEETINGS OF STOCKHOLDERS

Section 1. Annual / Regular Meetings - The annual/regular meetings of stockholders shall be held at the principal office on March 31 of each year, if legal holiday, then on the day following.

Section 2. Special Meeting - The special meetings of stockholders, for any purpose or purposes, may at any time be called by any of the following: (a) Board of Directors, at its own instance, or at the written request of stockholders representing a majority of the outstanding capital stock, (b) President.

Section 3. Place of Meeting - Stockholders meetings, whether regular or special, shall be held in the principal office of the corporation or at any place designated by the Board of Directors in the city or municipality where the principal office of the corporation is located.

Section 4. Notice of Meeting - Notices for regular or special meetings of stockholders may be sent by the Secretary by personal delivery or by mail at least two (2) weeks prior to the date of the meeting to each stockholder of record at his last known address. The notice shall state the place, date and hour of the meeting, and the purpose or purposes for which the meeting is called.

When the meeting of stockholders is adjourned to another time or place, it shall not be necessary to give any notice of the adjourned meeting if the time and place to which the meeting is adjourned are announced at the meeting at which the adjournment is taken. At the reconvened meeting, any business may be transacted that might have been transacted on the original date of the meeting.

Section 5. Quorum - Unless otherwise provided by law, in all regular or special meeting of stockholders, a majority of the outstanding capital stock must be present or represented in order to constitute a quorum. If no quorum is constituted, the meeting shall be adjourned until the requisite amount of stock shall be present.

Section 6. Conduct of Meeting - Meeting of the stockholders shall be presided over by the President, or in his absence, by a chairman to be chosen by the stockholders. The Secretary, shall act as Secretary of every meetings, but if not present, the chairman of the meeting shall appoint a secretary of the meeting.

Section 7. Manner of Voting - At all meetings of stockholders, a stockholder may vote in person or by proxy. Unless otherwise provided in the proxy, it shall be valid only for the meeting at which it has been presented to the Secretary. All proxies must be in the hands of the Secretary before the time set for the meeting. Proxies filed with the Secretary may be revoked by the stockholders either in an instrument in writing duly presented and recorded with the Secretary, prior to a scheduled meeting or by their personal presence at the meeting.

Section 8. Closing of Transfer Books or Fixing of Record Date - For the purpose of determining the stockholders entitled to notice of, or to vote at, any meeting of stockholders or any adjournment thereof or to receive payment of any dividend, the Board of Directors may provide that the stock and transfer books be closed for ten (10) working days immediately preceding such meeting.

ARTICLE III

BOARD OF DIRECTORS

Section 1. Powers of the Board - Unless otherwise provided by law, the corporate powers of the corporation shall be exercised, all business conducted and all property of the corporation controlled and held by the Board of Directors to be elected by and from among the stockholders. Without prejudice to such powers as may be granted by law, the Board of Directors shall also have the following powers:

- a.) From time to time, to make and change rules and regulations not inconsistent with these by-laws for the management of the corporation's business and affairs;
- b.) To purchase, receive, take or otherwise acquire for and in the name of the corporation, any and all properties, rights, or privileges, including securities and bonds of other corporations, for such consideration and upon such terms and conditions as the Board may deem proper or convenient;
- c.) To invest the funds of the corporation in other corporations or for purposes other than those for which the corporation was organized, subject to such stockholders' approval as may be required by law;
- d.) To incur such indebtedness as the Board may deem necessary, to issue evidence of indebtedness including without limitation, notes, deeds of trust, bonds, debentures, or securities, subject to such stockholders approval as may be required by law, and/or pledge, mortgage, or otherwise encumber all or part of the properties of the corporation;
- e.) To establish pension, retirement, bonus, or other types of incentives or compensation plans for the employees, including officers and directors of the corporation;
- f.) To prosecute, maintain, defend, compromise or abandon any lawsuit in which the corporation or its officer are either plaintiffs or defendants in connection with the business of the corporation;

g.) To delegate, from time to time, any of the powers of the Board which may lawfully be delegated in the course of the current business of the corporation to any standing or special committee or to any officer or agent and to appoint any person to be agent of the corporation with such powers and upon such terms as may be deemed fit;

h.) To implement these by-laws and to act on any matter not covered by these by-laws, provided such matter does not require the approval or consent of the stockholders under the Corporation Code.

Section 2. Election and Term - The Board of Directors shall be elected during each regular meeting of stockholders and shall hold office for one (1) year and until their successors are elected and qualified.

Section 3. Vacancies - Any vacancy occurring in the Board of Directors other than by removal by the stockholders or by expiration of term, may be filled by the vote of at least a majority of the remaining directors, if still constituting a quorum; otherwise, the vacancy must be filled by the stockholders at a regular or at any special meeting of stockholders called for the purpose. A director so elected to fill a vacancy shall be elected only for the unexpired term of his predecessor in office.

The vacancy resulting from the removal of a director by the stockholders in the manner provided by law may be filled by election at the same meeting of stockholders without further notice, or at any regular or at any special meeting of stockholders called for the purpose, after giving notice as prescribed in these by-laws.

Section 4. Meetings - Regular meetings of the Board of Directors shall be held once a month on such dates and at places as may be called by the Chairman of the Board, or upon the request of a majority of the Directors.

Section 5. Notice - Notice of the regular or special meeting of the Board, specifying the date, time and place of the meeting, shall be communicated by the Secretary to each director personally, or by telephone, telegram, or by written message. A director may waive this requirement, either expressly or impliedly.

Section 6. Quorum - A majority of the number of directors as fixed in the Articles of Incorporation shall constitute a quorum for the transaction of corporate business and every decision of at least a majority of the directors present at a meeting at which there is a quorum shall be valid as a corporate act, except for the election of officers which shall require the vote of a majority of all the members of the Board.

Section 7. Conduct of the Meetings - Meetings of the Board of Directors shall be presided over by the Chairman of the Board, or in his absence, by any other director chosen by the Board. The Secretary, shall act as secretary of every meeting, if not present, the Chairman of the meeting, shall appoint a secretary of the meeting.

Section 8. Compensation - By- resolution of the Board, each director shall receive a reasonable per diem allowance for his attendance at each meeting of the Board. As compensation, the Board shall receive and allocate an amount of not more than ten percent (10%) of the net income before income tax of the corporation during the preceding year. Such compensation shall be determined and apportioned among the directors in such manner as the Board may deem proper, subject to the approval of stockholders representing at least a majority of the outstanding capital stock at a regular or special meeting of the stockholders.

ARTICLE IV

OFFICER

Section 1. Election / Appointment - Immediately after their election, the Board of Directors shall formally organize by electing the President, the Vice-President, the Treasurer, and the Secretary at said meeting.

The Board may, from time to time, appoint such other officers as it may determine to be necessary or proper. Any two (2) or more positions may be held concurrently by the same person, except that no one shall act as President and Treasurer or Secretary at the same time.

Section 2. President - The President shall be the Chief Executive Officer of the corporation and shall exercise the following functions:

- a.) To preside at the meetings of the stockholders;
- b.) To initiate and develop corporate objectives and policies and formulate long range projects, plans and programs for the approval of the Board of Directors, including those for executive training, development and compensation;
- c.) To supervise and manage the business affairs of the corporation upon the direction of the Board of Directors;
- d.) To implement the administrative and operational policies of the corporation under his supervision and control;
- e.) To appoint, remove, suspend or discipline employees of the corporation, prescribe their duties, and determine their salaries;
- f.) To oversee the preparation of the budgets and the statements of accounts of the corporation;
- g.) To represent the corporation at all functions and proceedings;

h.) To execute on behalf of the corporation all contracts, agreements and other instruments affecting the interests of the corporation which require the approval of the Board of Directors.

i.) To make reports to the Board of Directors and stockholders;

j.) To sign certificates of stock;

k.) To perform such other duties as are incident to his office or are entrusted to him by the Board of Directors.

Section 3. The Vice-President - He shall, if qualified, act as President in the absence of the latter. He shall have such other powers and duties as may from time to time be assigned to him by the Board of Directors or by the President.

Section 4. The Secretary - The Secretary must be a resident and a citizen of the Philippines. He shall have the following specific powers and duties:

a.) To record the minutes and transactions of all meetings of the directors and the stockholders and to maintain minute books of such meetings in the form and manner required by law;

b.) To keep record books showing the details required by law with respect to the stock certificates of the corporation, including ledgers and transfer books showing all shares of the corporation subscribed, issued and transferred;

c.) To keep the corporate seal and affix it to all papers and documents requiring a seal, and to attest by his signature all corporate documents requiring the same;

d.) To attend to the giving and serving of all notices of the corporation required by law or these by-laws to be given;

e.) To certify to such corporate acts, countersign corporate documents or certificates, and make reports or statements as may be required of him by law or by government rules and regulations.

f.) To act as inspector at the election of directors and, as such, to determine the number of shares of stock outstanding and entitled to vote, the shares of stock represented at the meeting, the existence of a quorum, the validity and effect of proxies, and to receive votes, ballots or consents, hear and determine questions in connection with the right to vote, count and tabulate all votes, determine the result, and do such acts as are proper to conduct the election.

g.) To perform such other duties as are incident to his office or as may be assigned to him by the Board of Directors or the President.

Section 5. The Treasurer - The Treasurer of the corporation shall have the following duties:

- a.) To keep full and accurate accounts of receipts and disbursements in the books of the corporation;
- b.) To have custody of, and be responsible for, all the funds, securities and bonds of the corporation;
- c.) To deposit in the name and to the credit of the corporation, in such bank as may be designated from time to time by the Board of Directors, all the moneys, funds, securities, bonds, and similar valuable effects belonging to the corporation which may come under his control;
- d.) To render an annual statements showing the financial condition of the corporation and such other financial reports as the Board of Directors, or the President may, from time to time require;
- e.) To prepare such financial reports, statements, certifications and other documents which may, from time to time, be required by government rules and regulations and to submit the same to the proper government agencies;
- f.) To exercise such powers and perform such duties and functions as may be assigned to him by the President.

Section 6. Term of Office - The term of office of all officers shall be one (1) year and until their successors are duly elected and qualified.

Section 7. Vacancies - If any position of the officers becomes vacant by reason of death, resignation, disqualification or for any other cause, the Board of Directors, by majority vote may elect a successor who shall hold office for the unexpired term.

Section 8. Compensation - The officers shall receive such remuneration as the Board of Directors may determine. A director shall not be precluded from serving the corporation in any other capacity as an officer, agent or otherwise, and receiving compensation therefor.

ARTICLE V

OFFICES

Section 1. The principal office of the corporation shall be located at the place stated in Article III of the Articles of Incorporation. The corporation may have such other branch offices, either within or outside the Philippines as the Board of Directors may designate.

ARTICLE VI

AUDIT OF BOOKS, FISCAL YEAR AND DIVIDENDS

Section 1. External Auditor - At the regular stockholders' meeting, the external auditor of the corporation for the ensuing year shall be appointed. The external auditor shall examine, verify and report on the earnings and expenses of the corporation.

Section 2. Fiscal Year - The fiscal year of the corporation shall begin on the first day of January and end on the last day of December of each year.

Section 3. Dividends - Dividends shall be declared and paid out of the unrestricted retained earnings which shall be payable in cash, property, or stock to all stockholders on the basis of outstanding stock held by them, as often and at such times as the Board of Directors may determine and in accordance with law.

ARTICLE VII

SEAL

Section 1. Form and Inscriptions - The corporate seal shall be determined by the Board of Directors.

ARTICLE VIII

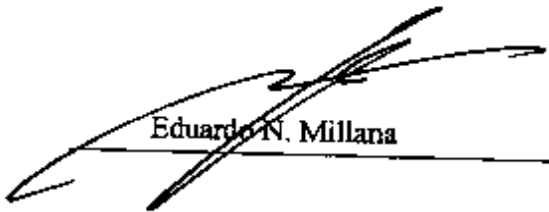
AMENDMENTS

Section 1. These by-laws may be amended or repealed by the affirmative vote of at least a majority of the Board of Directors and the stockholders representing a majority of the outstanding capital stock at any stockholders' meeting called for that purpose. However, the power to amend, modify, repeal or adopt new by-laws may be delegated to the Board of Directors by the affirmative vote of stockholders representing not less than two-thirds of the outstanding capital stock; provided, however, that any such delegation of powers to the Board of Directors to amend, repeal or adopt new by-laws may be revoked only by the vote of stockholders representing a majority of the outstanding capital stock at a regular or special meeting.

IN WITNESS WHEREOF, we, the undersigned stockholders have adopted the foregoing by-laws and hereunto affixed our signatures this 16th day of May, 20 11 at Pasig City.

(Note: 1. If filed with Articles of Incorporation, these by-laws should be signed by all incorporators;

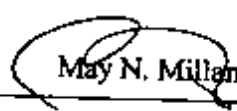
2. If filed after incorporation, should be signed by majority of the subscribers and should submit director's certificate for the adoption of the by-laws.)


Eduardo N. Millana


Marjorie P. Millana


Macrina N. Millana


Bobby N. Millana


May N. Millana

Print

Finish

Republic of the Philippines

SECURITIES AND EXCHANGE COMMISSION

Reservation Payment Confirmation

This certifies that the name **MILLAWAVE SYSTEMS CORPORATION** has been reserved from **June 2, 2011 to July 2, 2011**.

Type of Industry: Transmission Of Radio And Television Bro

Breakdown of Fees:

Reservation Fee: Php 40.00

TOTAL: Php 40.00

Important Reminders:

NOTE: The fact that the name is available at the date verified, it is not to be regarded as an approval of the registration of the company or any application for change of name. No expense for printing of materials using a verified name should be incurred until registration takes effect. As this is a computer printout, any erasure or alteration on this document nullifies verification.

The applicant undertakes to change the reserved name in case another person or firm has acquired a prior right to the use of the said firm name or the same is deceptively or confusingly similar to one already registered.

Please do not pay for your Name Reservation and Extension WITHIN THE SAME DAY via Funds Transfer. You may course your payment at any selected UnionBank branches or at the SEC Teller.

Stamp Number: 927516



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www.sec.gov.ph

Print 

Republic of the Philippines
SECURITIES AND EXCHANGE COMMISSION

Reservation Payment Confirmation

This certifies that the name **MILLAWAVE SYSTEMS CORPORATION** has been reserved from **April 28, 2011 to May 28, 2011**.

Reference Reservation Number (RRN): **RRN20110428140246913**

Type of Industry: **Transmission Of Radio And Television Bro**

Breakdown of Fees:

Reservation Fee: **Php 40.00**

TOTAL: Php 40.00

Important Reminders:

NOTE: The fact that the name is available at the date verified, it is not to be regarded as an approval of the registration of the company or any application for change of name. No expense for printing of materials using a verified name should be incurred until registration takes effect. As this is a computer printout, any erasure or alteration on this document nullifies verification.

The applicant undertakes to change the reserved name in case another person or firm has acquired a prior right to the use of the said firm name or the same is deceptively or confusingly similar to one already registered.

Please do not pay for your Name Reservation and Extension **WITHIN THE SAME DAY** via Funds Transfer. You may course your payment at any selected UnionBank branches or at the SEC Teller.

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Shaw Blvd.-Escriva Drive

Ref.No:TIT-707-11-046

June 02, 2011

The Securities and Exchange Commission
EDSA, Greenhills, Mandaluyong City

Greetings:

This is to certify that there is on deposit with this Branch the sum of **One Million Pesos Only (Php 1,000,000.00)** under Savings Account No. **7070010319** in the name of **Rachelle Rosanna S. Papa** Treasurer-in-Trust-For **MILLAWAVE SYSTEMS CORPORATION** which is in the process of incorporation.

The said deposit is clear and free from lien, restriction, condition, or hold-out and may be withdrawn in behalf of said company upon presentation of proof of due incorporation thereof.

Mr. Claire P. Dominguez
Marketing Officer
4707204/4707189

Mr. Laurence Wencel J. Lucido
Branch Head
4707198

REPUBLIC OF THE PHILIPPINES)
METRO MANILA) S.S.

SUBSCRIBED AND SWORN to before me this 02 day of JUN 2011,
20 , affiant exhibiting to me his/her Community Certificate No. issued at
 on

Doc. No. 770
Page No. 104
Book No. 77
Series No. 11

Banco De Oro
BDO Corporate Center
7899 Makati Avenue
Makati City 0726, Philippines
Swift Code: BNORPHMM
Tel +63(2) 840 7000

www.bdo.com.ph

NOTARY PUBLIC
NOTARY PUBLIC
NOTARIAL COMMISSION NO. 1052
COMMISSION EXPIRES DEC 31, 2011
PTR NO. 4559010; 1/03/2011; Q.C.
IBP NO. 774135; 1/12/2010; Q.C.
ROLL OF ATTORNEY NO. 25100

BDO PHP 1,000,000.00



Republic of the Philippines
COMMISSION ON INFORMATION AND COMMUNICATIONS TECHNOLOGY
NATIONAL TELECOMMUNICATIONS COMMISSION



1st Indorsement
May 24, 2011

Respectfully returned to the Securities and Exchange Commission (SEC),
Attn.: Ferdinand B. Sales, Assistant Director, Corporate and Partnership
Registration Division, the herein attached Articles of Incorporation and By-Laws
of **MILLAWAVE SYSTEMS CORPORATION** interposing no objection to the
Primary Purpose of the Corporation as contained in Article II thereof, subject to
activities/facilities without first securing from this Commission
the appropriate permits and licenses and/or certificate of public
convenience and necessity or certificate of public convenience,
after due notice and public hearing in accordance with law and
subject further to the condition that the corporation shall be
subject to the registration requirement of this Commission with
respect to value-added service (VAS).

2. Applicant must have a valid congressional franchise before it
can operate telecommunications or broadcasting services;
3. No single franchise shall be issued embracing both broadcast
and telecommunications, pursuant to RA 7925; and
4. Any issue or transfer of shares of stocks by the Corporation
must be in accordance with the provisions of CA 146, and other
existing laws, rules and regulations.

Quezon City, Philippines.


GAMALIEL A. CORDOBA
Commissioner

* DRB/mlat
sec.ind_082

OR NO.	144221
DATE	5/27/11
AMOUNT PAID	1202.3565
REMARKS	

"Elevating the Philippines as the leading ICT-driven economy in Asia"

NTC Building BIR Rd. East Triangle Diliman, Quezon City

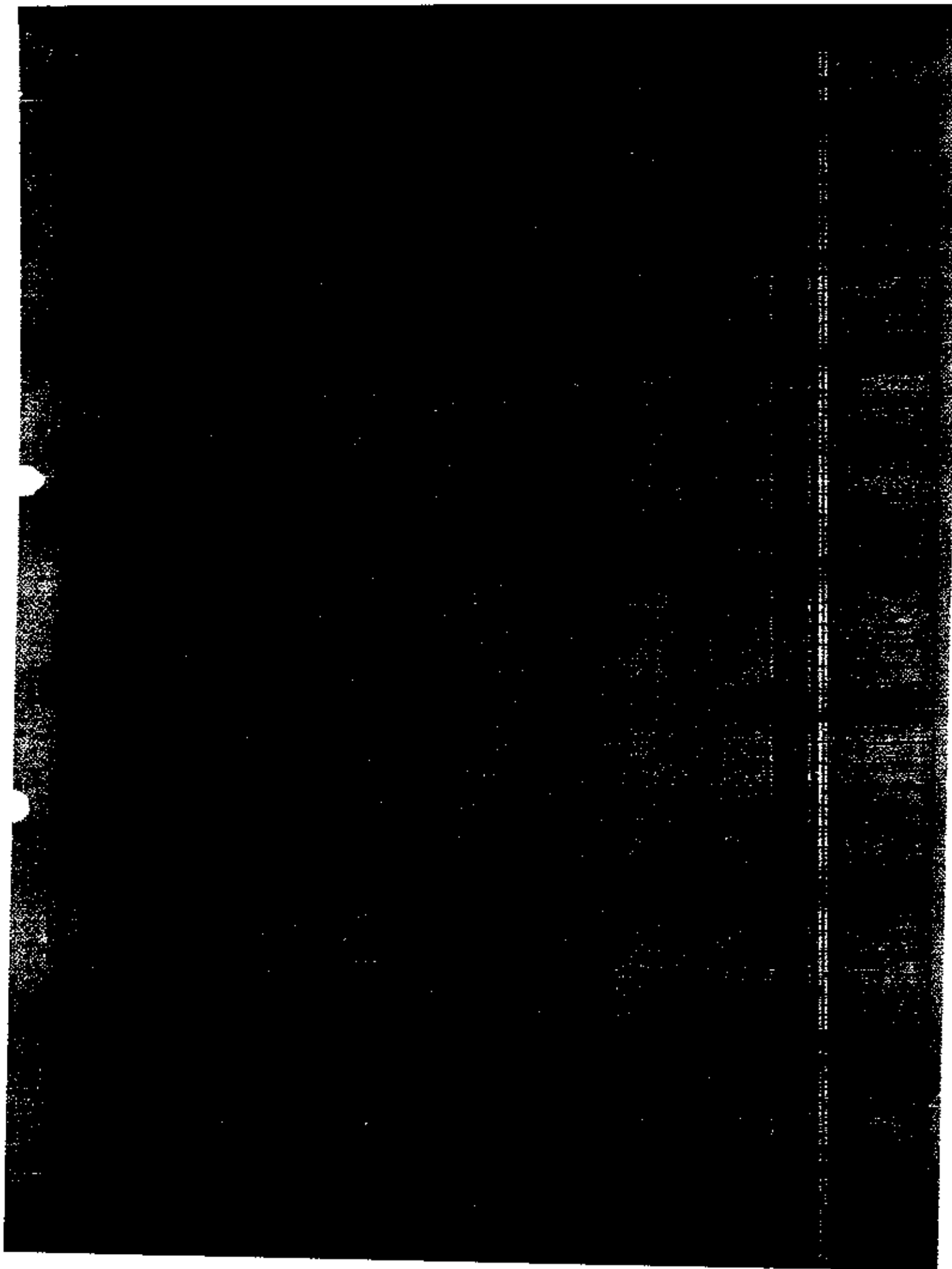
E-mail : ntc@ntc.gov.ph * www.ntc.gov.ph

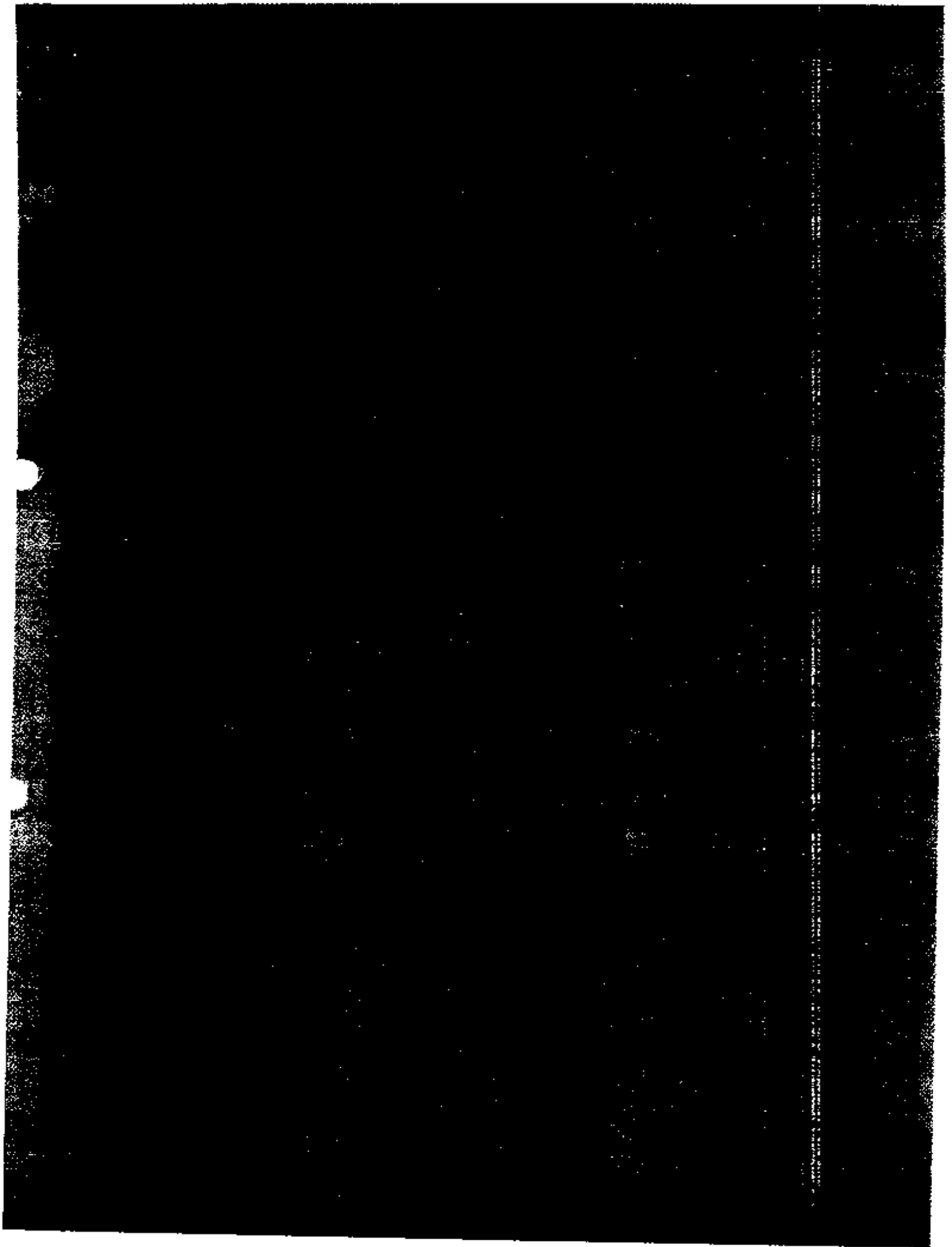
Officers of Millawave Systems Corporation
Annual Income Tax Return (BIR Form 1701)

- A. Year 2008 ITR and BIR Tax Payment/Income Statement/**
- B. Year 2008 ITR and BIR Tax Payment/Income Statement/
Statement of Management Responsibility**
- C. Year 2010 ITR and BIR Tax Payment/Income Statement/
Statement of Management Responsibility/
BIR Form 2316**

For more information, contact: Eastern Bell
Marketing Dept. at Bell-Telephone 3-6000, ext. 2000

Stamp of Flying Colours
and Dead or Robbed 190*





1. NAME OF THE PRISONER
[REDACTED]

PLEASE WRITE HEAVY FOR READING
[REDACTED]

2. PRESENT ADDRESS
[REDACTED]

DATE May 24 2011

3. REPORTING AGENCY
[REDACTED]

4. [REDACTED]

5. [REDACTED]

6. [REDACTED]

7. [REDACTED]

8. [REDACTED]

9. [REDACTED]

10. [REDACTED]

11. [REDACTED]

12. [REDACTED]

13. [REDACTED]

14. [REDACTED]

15. [REDACTED]

16. [REDACTED]

17. [REDACTED]

18. [REDACTED]

19. [REDACTED]

20. [REDACTED]

21. [REDACTED]

22. [REDACTED]

23. [REDACTED]

24. [REDACTED]

25. [REDACTED]

26. [REDACTED]

27. [REDACTED]

28. [REDACTED]

29. [REDACTED]

30. [REDACTED]

31. [REDACTED]

32. [REDACTED]

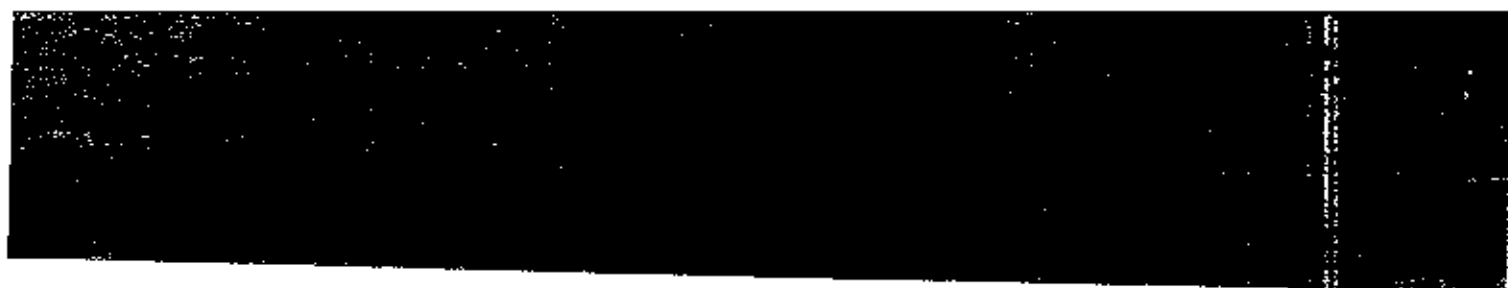
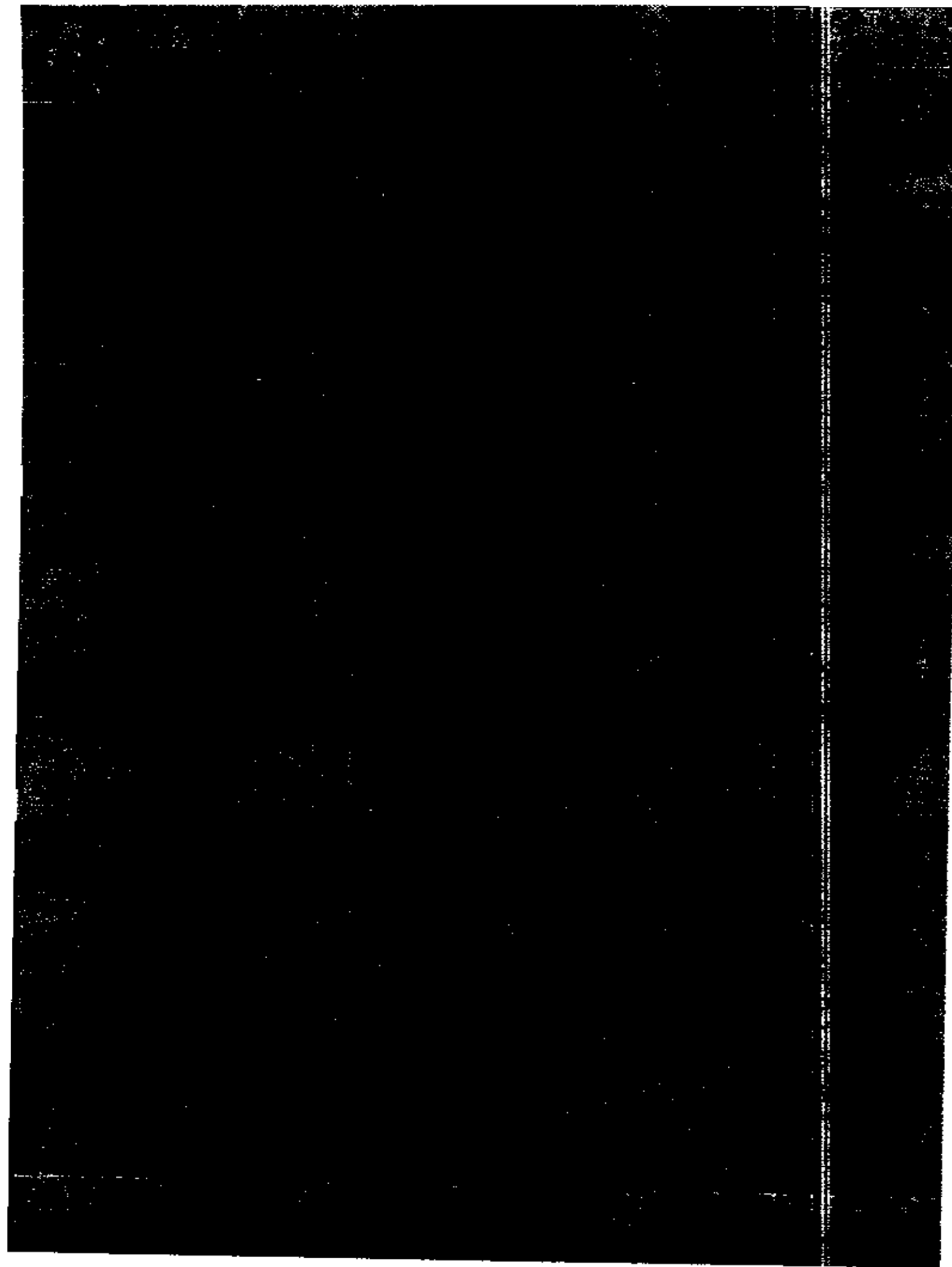
33. [REDACTED]

34. [REDACTED]

35. [REDACTED]

36. [REDACTED]

RECEIVED
MAY 24 2011
FBI



STATEMENT OF MANAGEMENT'S RESPONSIBILITY FOR ANNUAL INCOME TAX RETURN

The Management of EDUARDO N. MILLANA is responsible for all information and representations contained in the Annual Income Tax Return for the year ended December 31, 2009. Management is likewise responsible for all information and representations contained in the financial statements accompanying the Annual Income Tax Return covering the same reporting period. Furthermore, the Management is responsible for all information and representations contained in all other tax returns filed for the reporting period, including but not limited to the percentage tax returns, and any and all other tax returns.

In this regard, the Management affirms that the attached financial statements for the year ended December 31, 2009 and the accompanying Annual Income Tax Return are in accordance with the books and records of Eduardo N. Millana, complete and correct in all material respects. Management likewise affirms that:

- (a) the Annual Income Tax Return has been prepared in accordance with the provision of the National Internal Revenue Code, as amended, and pertinent tax regulations and other issuances of the Department of Finance and the Bureau of Internal Revenue;
- (b) any disparity of figures in the submitted reports arising from the preparation of financial statements pursuant to financial accounting standards and the preparation of the income tax return pursuant to tax accounting rules has been reported as reconciling items and maintained in the company's books and records in accordance with the requirements of Revenue Regulations No. 8-2007 and other relevant issuances;
- (c) that Eduardo N. Millana has filed all applicable tax returns, reports and statements required to be filed under Philippine tax laws for the reporting period, and all taxes and other impositions shown thereon to be due and payable have been paid for the reporting period, except those contested in good faith.

EDUARDO N. MILLANA
Taxpayer



104

30.600.00

0216

4-100

Def

3490

150 000 000

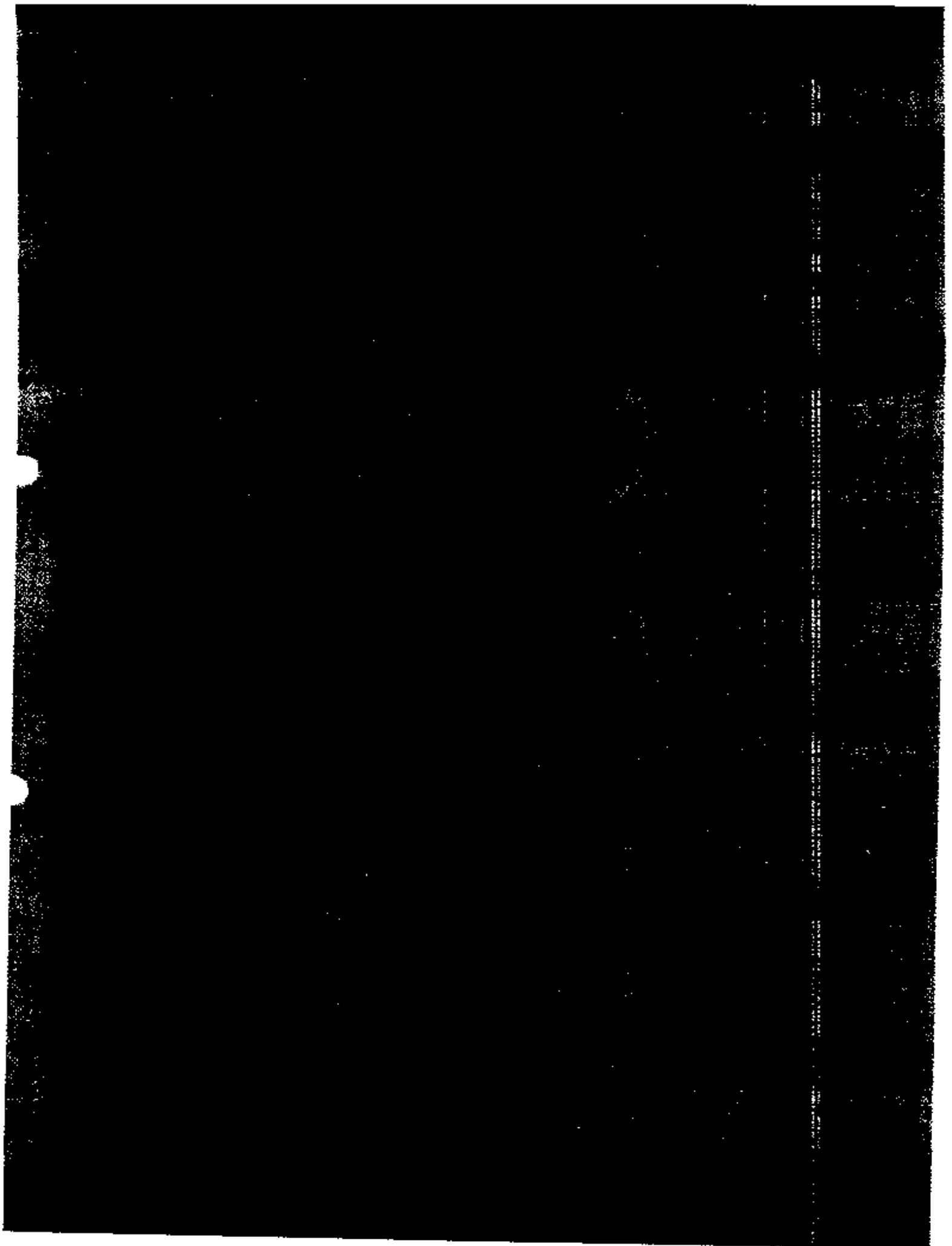
2.5066

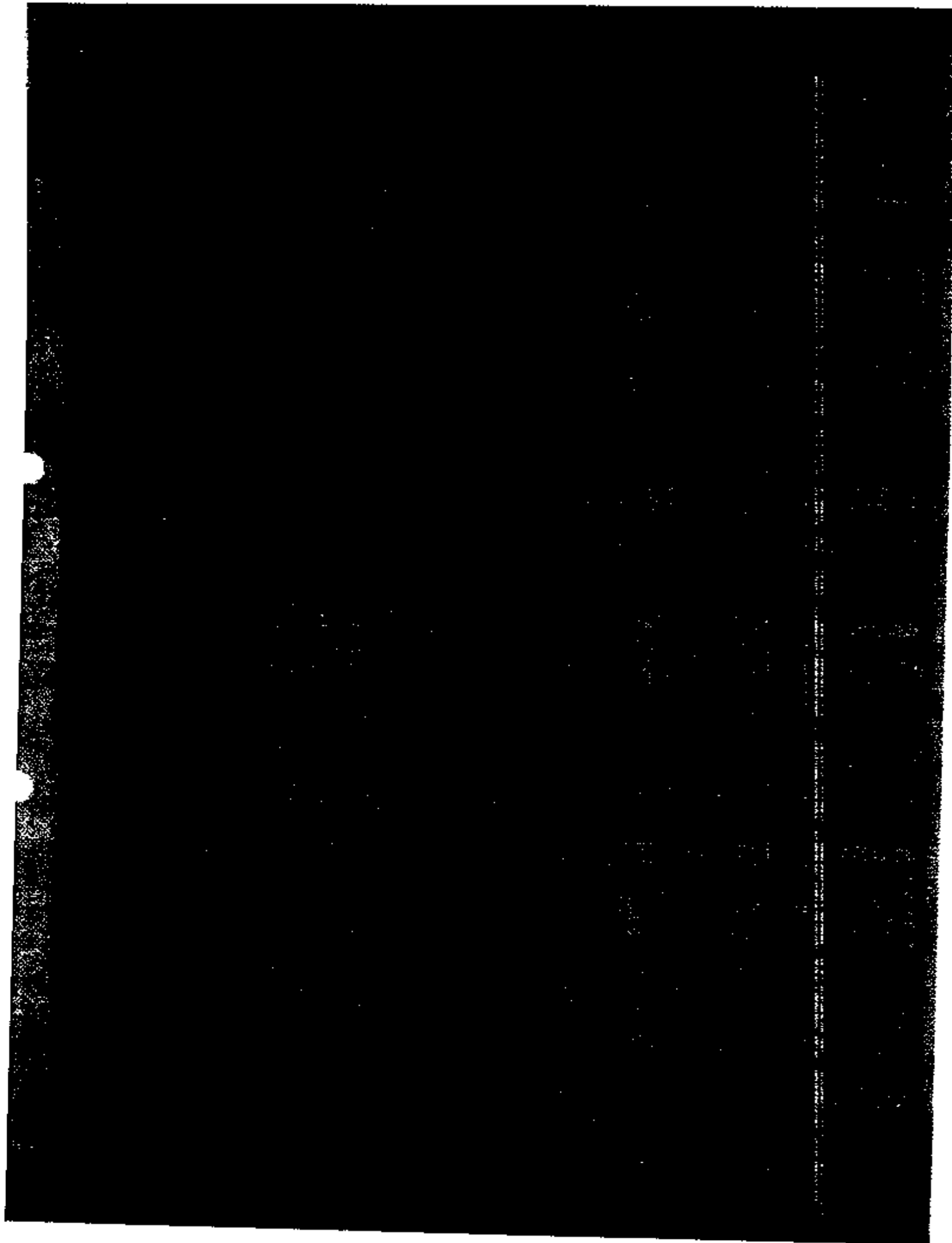
1990年

BIR Form No.
1701
 Jan. 2008 (REV)

July 2, 2008 JERCE

Stamp of Receiving Office/AAJ
and Date of Receipt (FPO's)





1. NAME OF THE MILITARY
UNIT OR SERVICE

2. GRADE OR RANK

3. DATE

4. TIME

5. DUTY ASSIGNMENT

6. DUTY DESCRIPTION

7. DUTY LOCATION

8. DUTY STATUS

9. DUTY TYPE

10. DUTY COMMENTS

11. DUTY RESULTS

12. DUTY EVALUATION

13. DUTY NOTES

14. DUTY SIGNATURE

15. DUTY DATE

16. DUTY TIME

17. DUTY LOCATION

18. DUTY STATUS

19. DUTY TYPE

20. DUTY COMMENTS

21. DUTY RESULTS

22. DUTY EVALUATION

23. DUTY NOTES

24. DUTY SIGNATURE

25. DUTY DATE

26. DUTY TIME

27. DUTY LOCATION

28. DUTY STATUS

29. DUTY TYPE

30. DUTY COMMENTS

31. DUTY RESULTS

32. DUTY EVALUATION

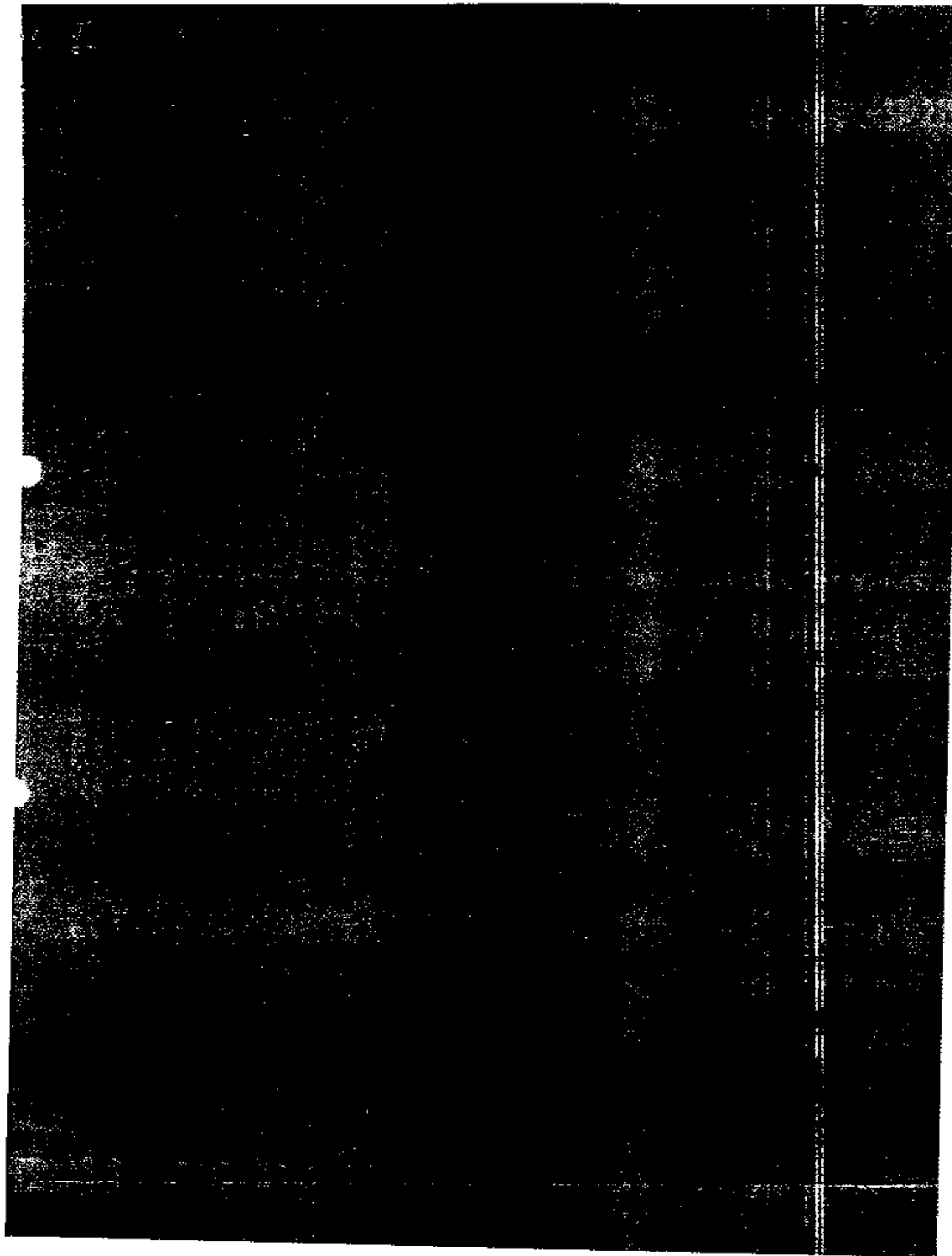
33. DUTY NOTES

34. DUTY SIGNATURE

35. DUTY DATE

36. DUTY TIME

RECEIVED
MAY 24 2011
DAILY



1701

July 20, 1962

U.S. AIR FORCE

MEMORANDUM

TO: SAC, NEW YORK

FROM: SAC, NEW YORK

SUBJECT: [REDACTED]

DATE: 7/20/62

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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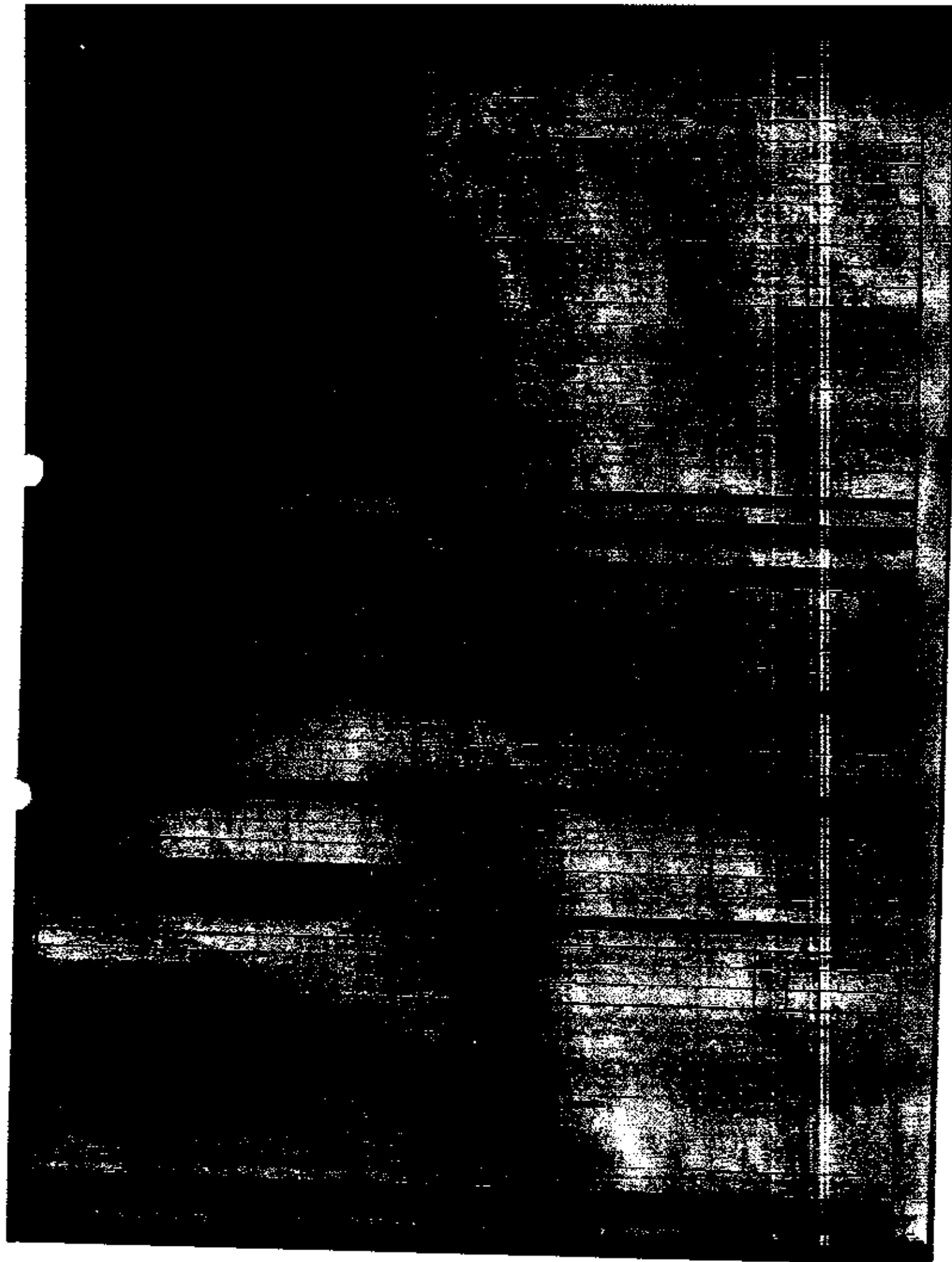
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RECEIVED

May 24, 2011

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NOTED
MAY 2 1 41 PM

MANAGEMENT REPORT
Income Statement
For the Year Ended December 31, 2009

Income

P 53,000.00

Less: 10% standard optional deduction

Income

P 53,000.00

ASSETS

P 53,062.00

37,000.00

P 53,062.00

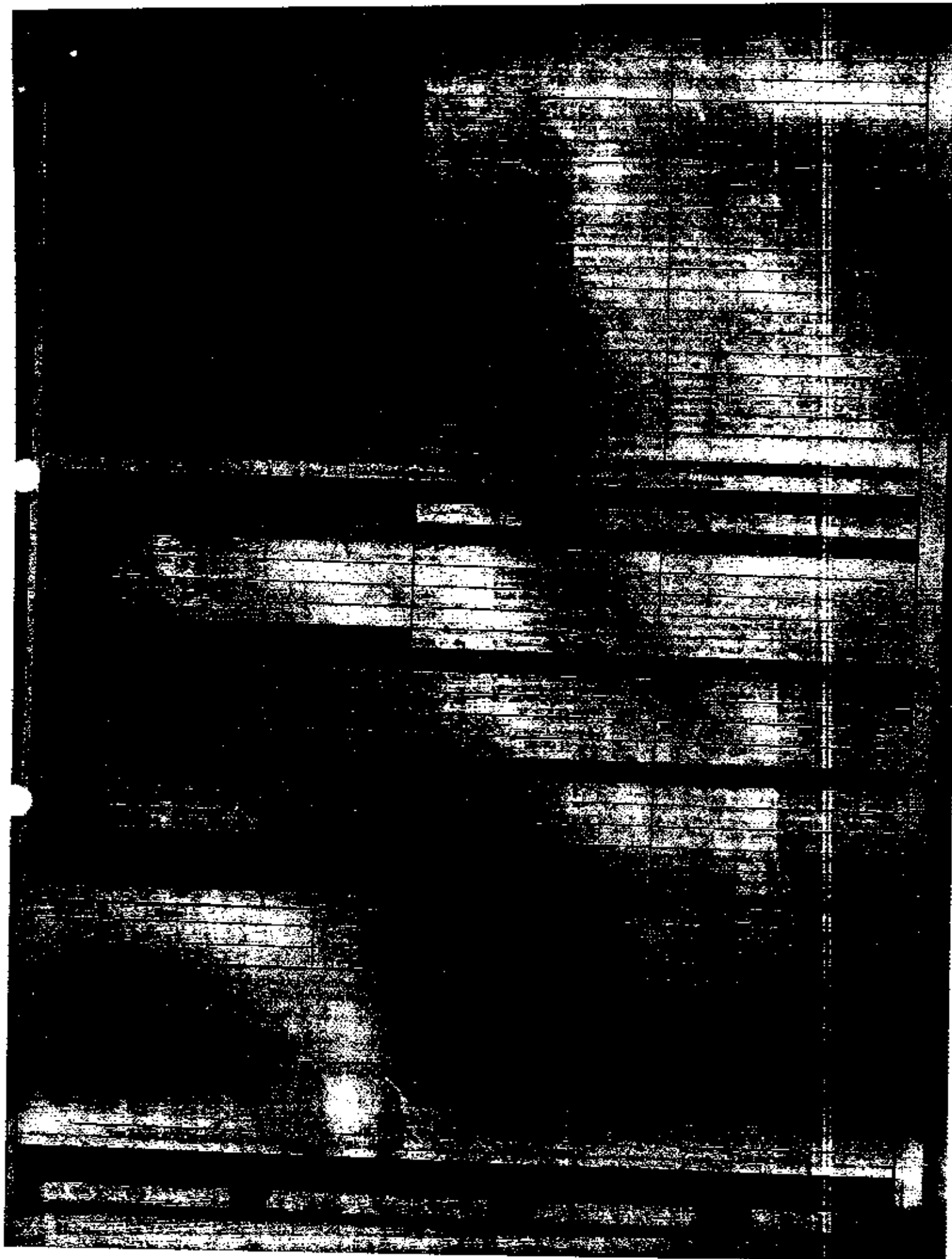


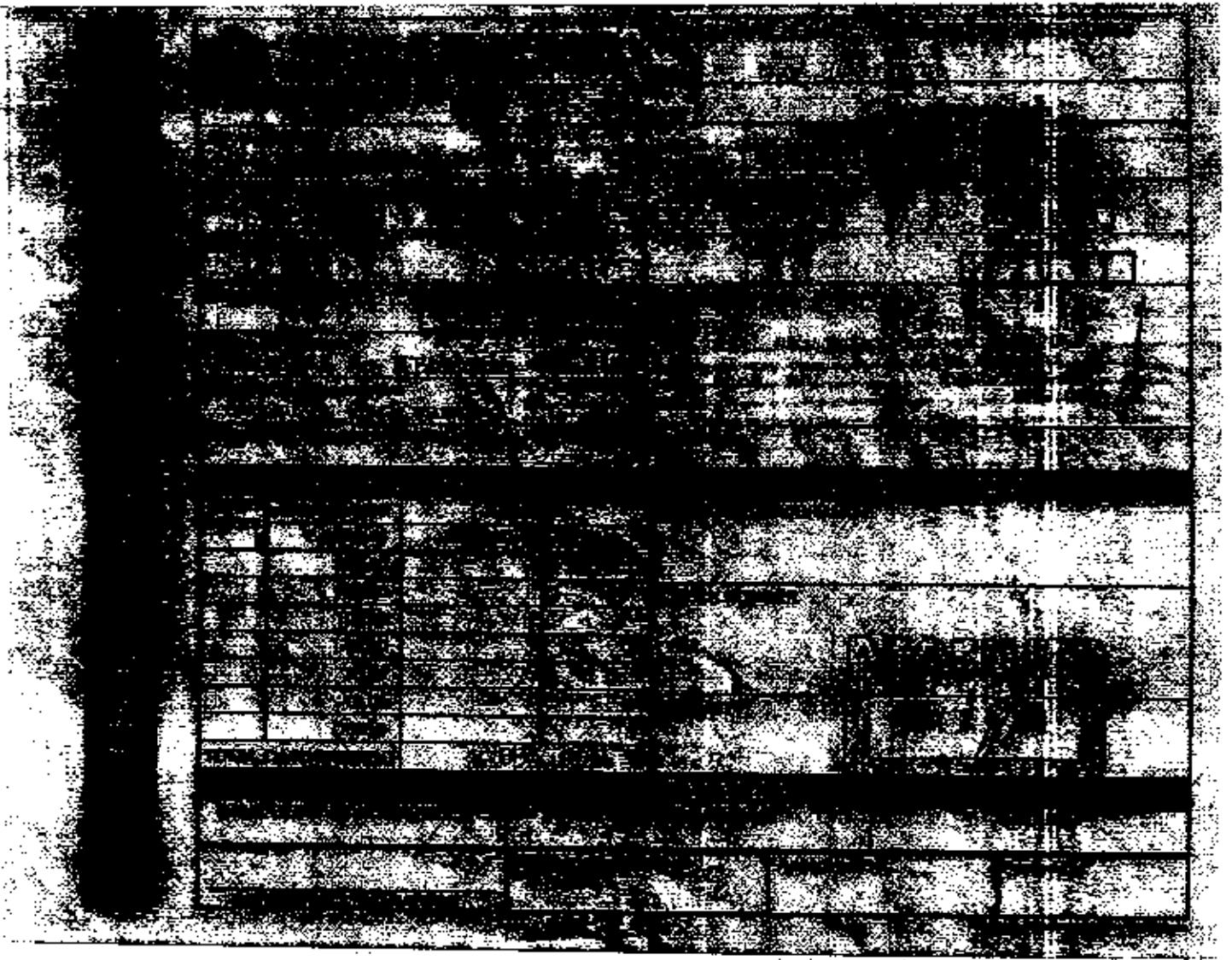
Annual Income Tax Return

BMF Form No.

1701

July 2008 (ENCS)





INCOME

Less: 10% standard optional deduction

NET INCOME

P 80,000.00

Balance Sheet As of December 31, 2010

ASSETS

CURRENT ASSETS

Cash

P 42,000.00

NON-CURRENT ASSET

Property and Equipment

Accumulated

33,000.00

TOTAL ASSETS

P 75,000.00

PROPRIETOR'S EQUITY

Capital

80,000.00

Retained Earnings

5,000.00

Total

85,000.00

Less: Personal

10,000.00

Proprietor's Equity

75,000.00

TOTAL EQUITY

P 75,000.00

Control Correct

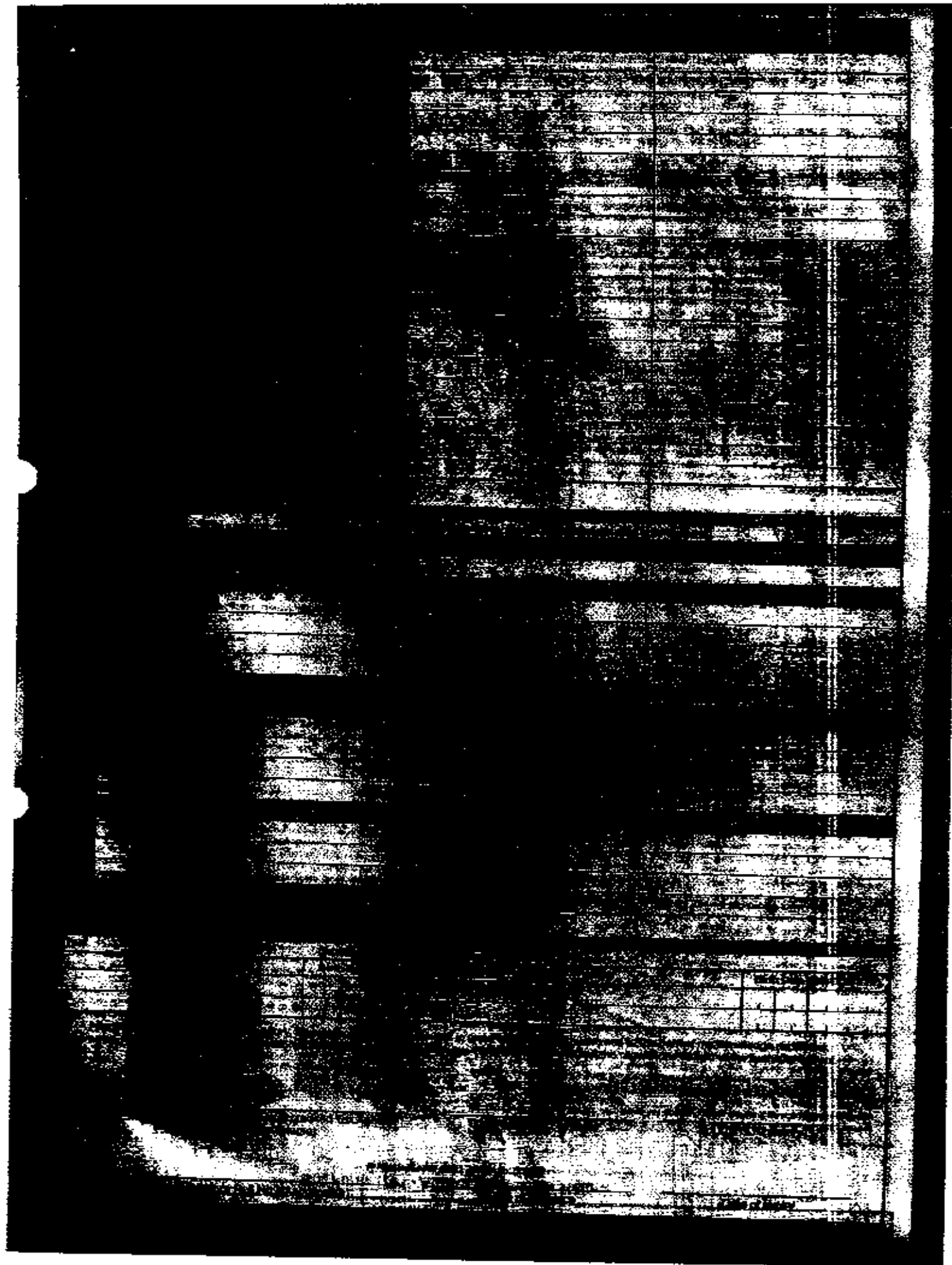


1701

July 2001 (ENCS)

1001
1002
1003

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1005
1006





20 MAY 1962

MACRINA N. MILLANA
Income Statement
For the Year Ended December 31, 2008

INCOME	P	45,200.00
Less: 10% standard optional deduction		<u> </u>
NET INCOME	P	<u>45,200.00</u>

Balance Sheet
As of December 31, 2008

ASSETS

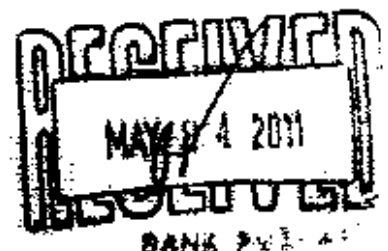
CURRENT ASSETS		
Cash	P	48,462.00
NON-CURRENT ASSET		
Property and Equipment		
Accessories		<u>30,000.00</u>
TOTAL ASSETS	P	<u>78,462.00</u>

EQUITY

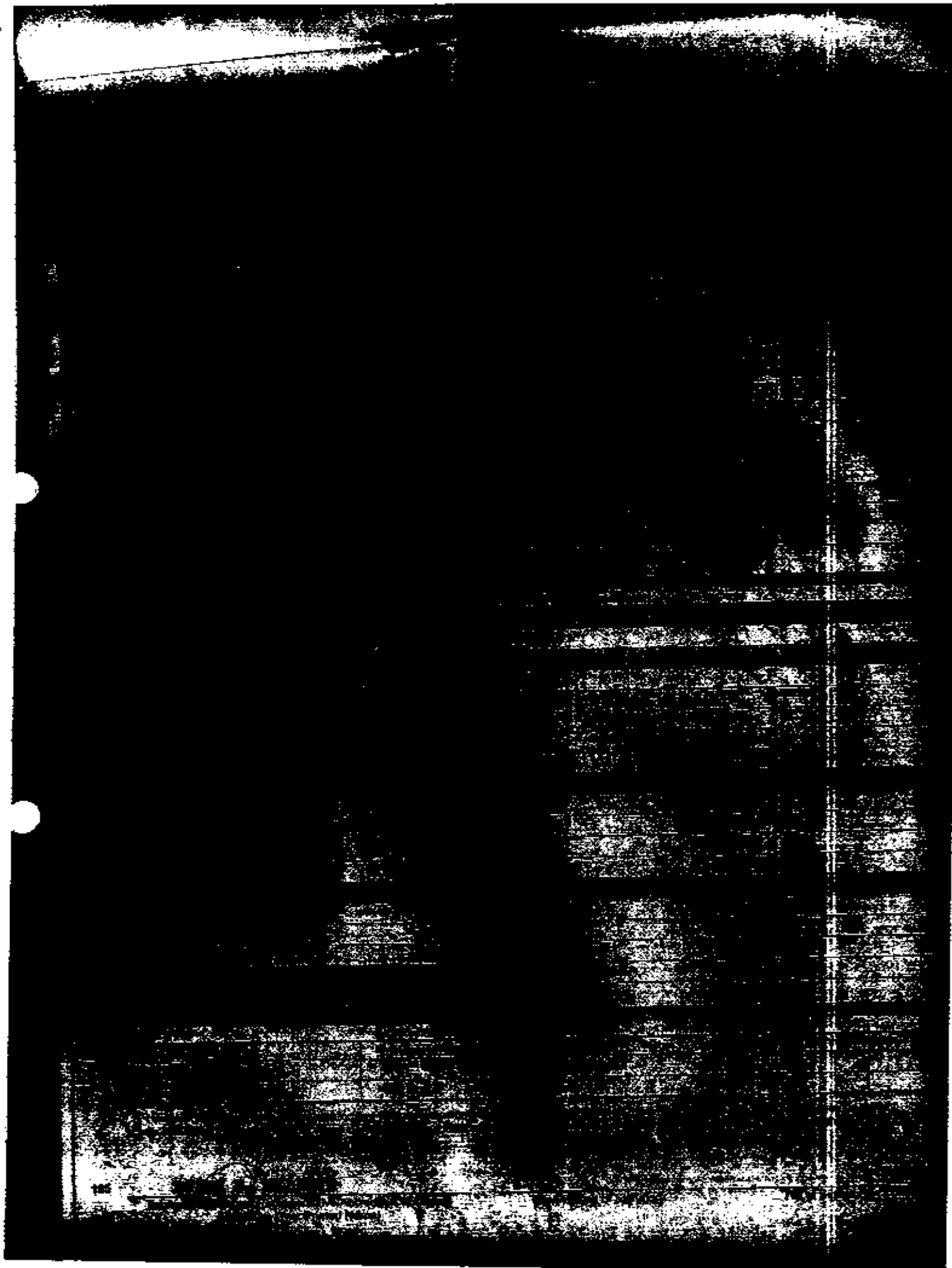
PROPRIETOR'S EQUITY		
Capital beginning	P	65,262.00
Add: Net income		<u>45,200.00</u>
Total		108,462.00
Less: Personal withdrawals		<u>30,000.00</u>
Proprietor's Equity		<u>78,462.00</u>
TOTAL EQUITY	P	<u>78,462.00</u>

Certified Correct:

MACRINA N. MILLANA
Taxpayer



Starting or Resuming Cerebral



1. I HAVE ON THE FOLLOWING DATE
 RECEIVED FROM THE FOLLOWING PERSONS
 THE SUM OF \$ 992.00
 ON MAY 24, 2011

I HAVE ON THE FOLLOWING DATE
 RECEIVED FROM THE FOLLOWING PERSONS
 THE SUM OF \$ 992.00
 ON MAY 24, 2011

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 ON MAY 24, 2011

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 THE SUM OF \$ 992.00
 ON MAY 24, 2011

I HAVE ON THE FOLLOWING DATE
 RECEIVED FROM THE FOLLOWING PERSONS
 THE SUM OF \$ 992.00
 ON MAY 24, 2011

RECEIVED
 MAY 24 2011
 DEPT. OF REVENUE
 TAX DIVISION

Signature of Taxpayer

Approved By:

Signature of:

STATEMENT OF MANAGEMENT'S RESPONSIBILITY FOR ANNUAL INCOME TAX RETURN

The Management of BCB Bank, Inc. is responsible for all information and representations contained in the Annual Income Tax Return for the year ended December 31, 2009. Management is likewise responsible for all information and representations contained in the financial statements and supporting schedules and accounts covering the same reporting period. Furthermore, Management is responsible for all information and representations contained in all other documents and reports submitted to the Bureau of Internal Revenue, limited, to the percentage of ownership of the company.

In this regard, the Management affirms that the attached financial statements for the year ended December 31, 2009, and the accompanying Annual Income Tax Return for the year ended December 31, 2009, of Bobby N. Millana, complete and correct information and that Management is likewise responsible for:

- (a) the Annual Income Tax Return has been prepared in accordance with the provisions of the National Internal Revenue Code, as amended, and pertinent tax regulations and other issuances of the Department of Finance and the Bureau of Internal Revenue;
- (b) any disparity of figures in the submitted reports arising from the preparation of financial statements pursuant to financial accounting standards and the preparation of the income tax return pursuant to tax accounting rules has been reported as reconciling items and maintained in the company's books and records in accordance with the requirements of Revenue Regulations No. 8-2007 and other relevant issuances;
- (c) that Bobby N. Millana has filed all applicable tax returns, reports and statements required to be filed under Philippine tax laws for the reporting period, and all taxes and other impositions due thereon to be due and payable have been paid for the reporting period, except those contested in good faith.

BOBBY N. MILLANA

Treasurer



BOBBY
For the Year Ended

P 110,400.00

CURRENT ASSETS

Cash

NON-CURRENT ASSET

Property and Equipment

Equipment, furniture and fixtures (net)

TOTAL ASSETS

P 119,710.00

EQUITY

PROPRIETOR'S EQUITY

Capital Beginning

P 125,310.00

Add: Net Income

110,400.00

Total

235,710.00

Less: Personal withdrawals

116,000.00

Proprietor's Equity

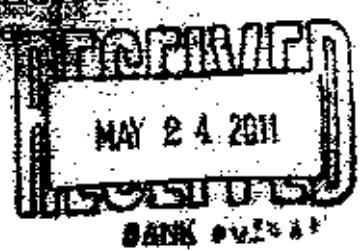
119,710.00

TOTAL EQUITY

P 119,710.00

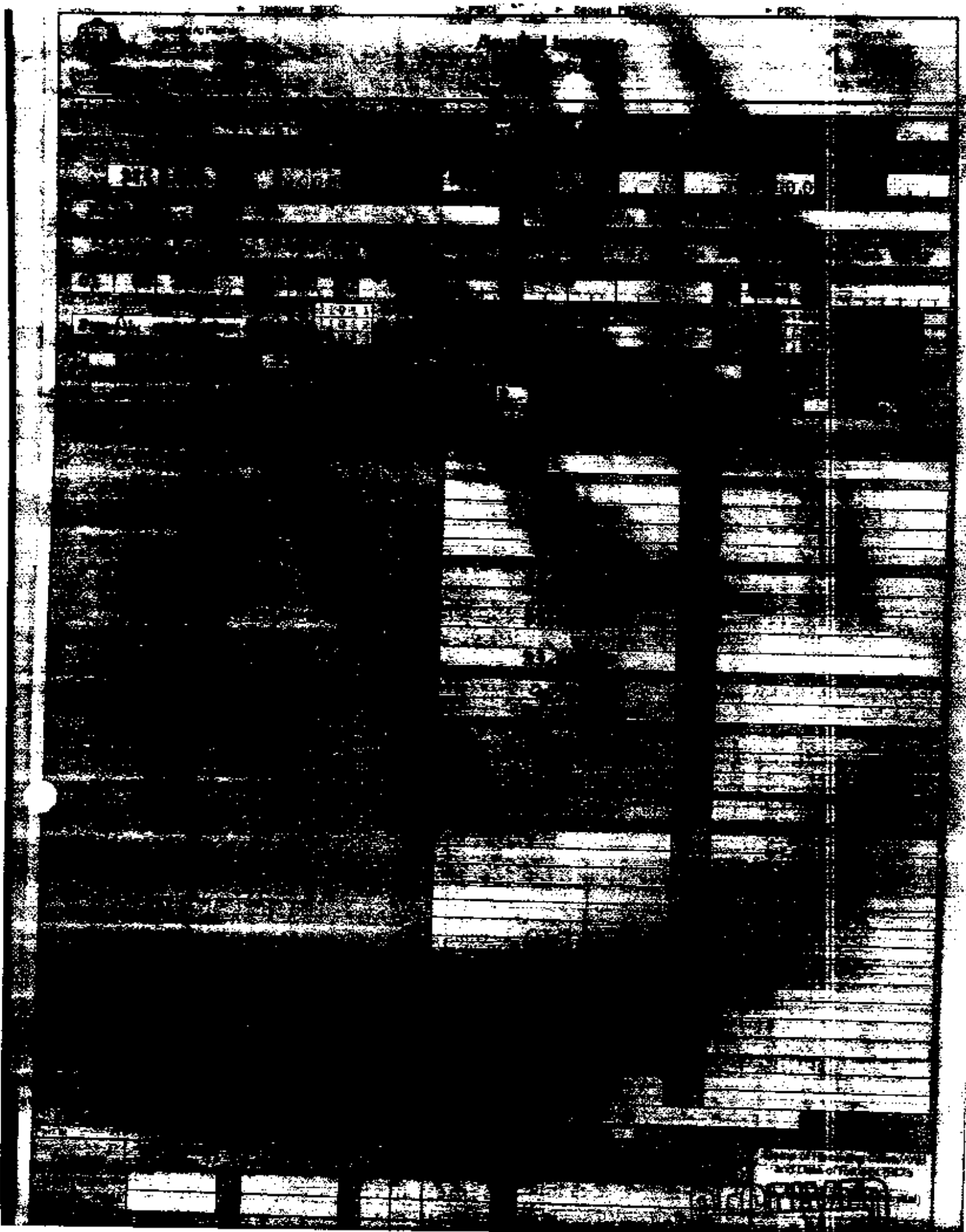
Certified Correct

BOBBY



120,000.00
180,000.00
0.00
20,000.00
40,000.00
150,000.00
150,000.00

[illegible]





[illegible]

100

Income Statement

Less: 10% standard cost of goods sold

NET INCOME

Balance Sheet
As of December 31, 2000

ASSETS

CURRENT ASSETS

Cash

NON-CURRENT ASSET

Property and Equipment

Equipment, furniture and fixtures

60,000.00

TOTAL ASSETS

P 125,310.00

EQUITY

PROPRIETOR'S EQUITY

Capital beginning

P 101,310.00

add: Net income

84,150.00

total

185,460.00

Less: Personal withdrawals

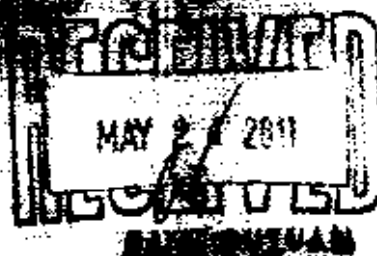
60,000.00

Proprietor's equity

TOTAL EQUITY

P 125,310.00

Certified Correct:



1701
July 2000 (124CS)

Page 1 of 1

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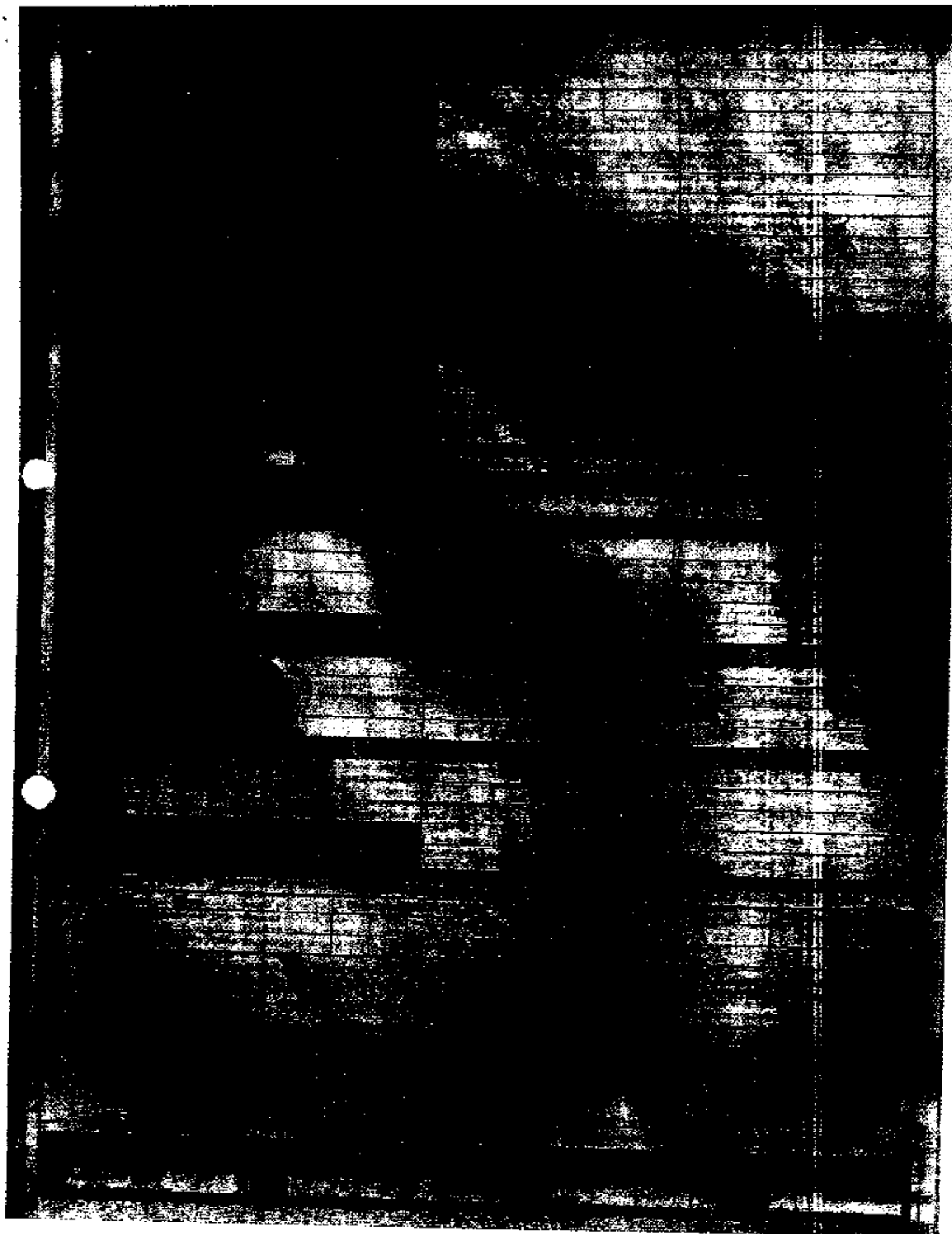
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PAYMENT DEPOSIT SLIP

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Date May 24, 2011

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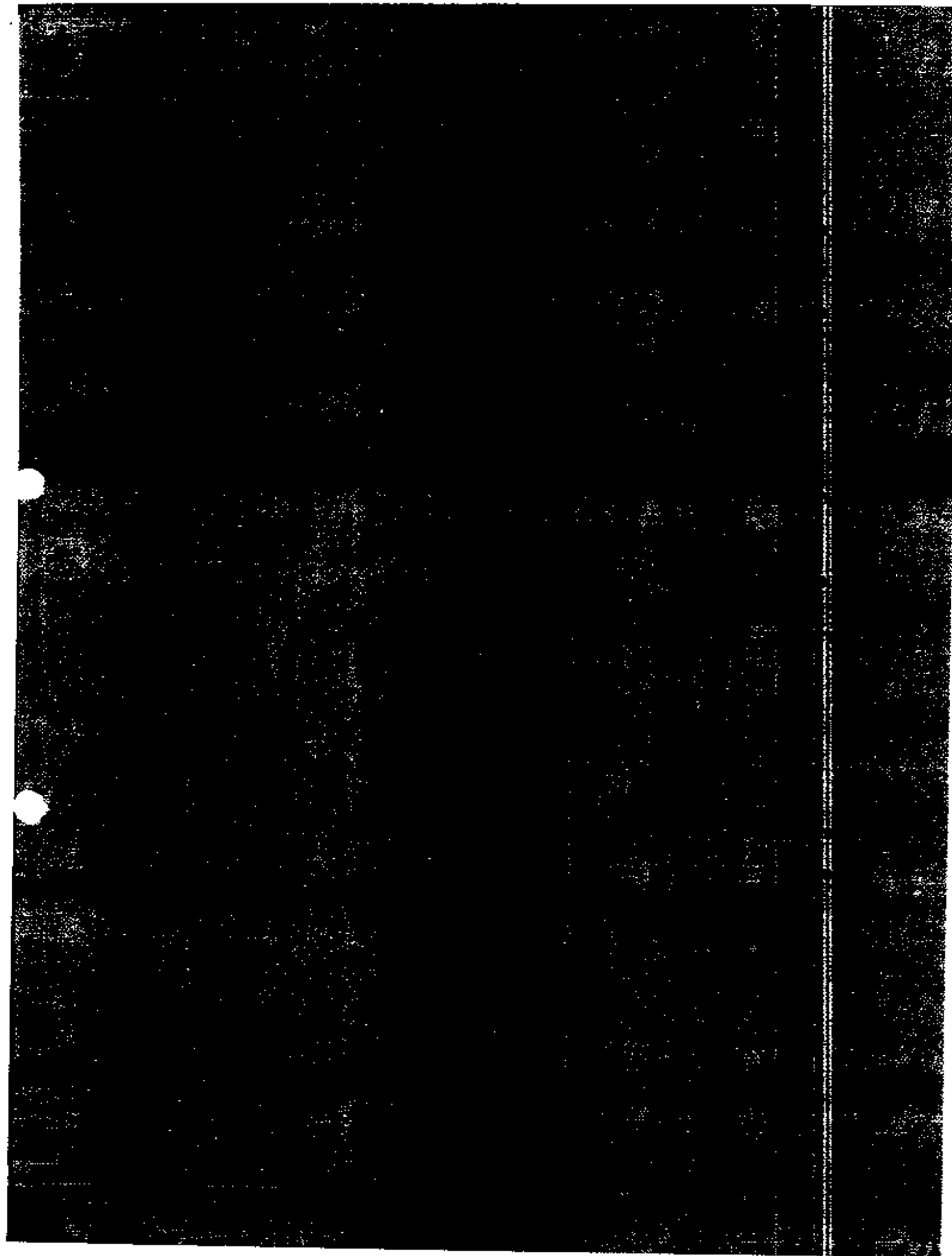
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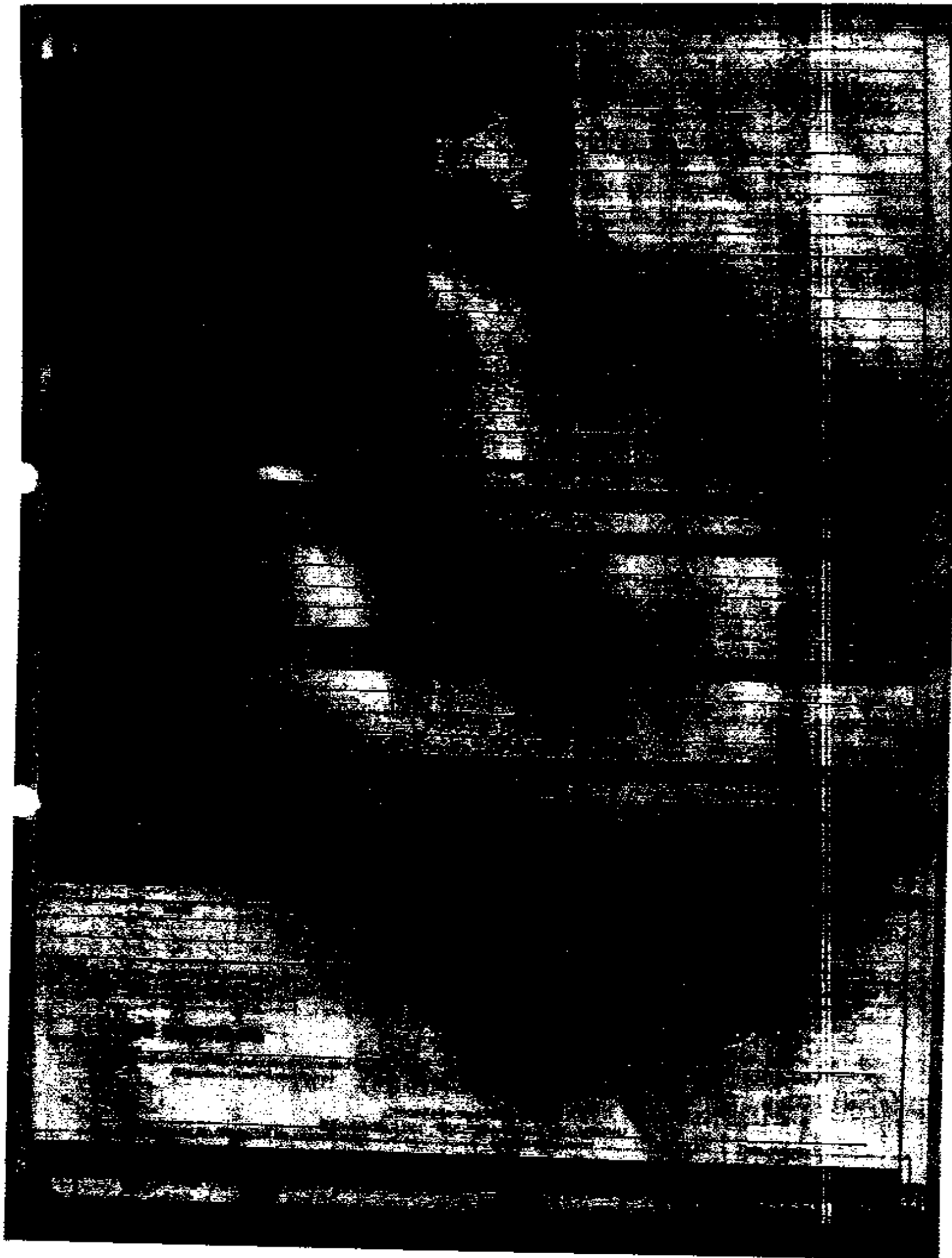
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MANAGEMENT'S RESPONSIBILITY

INCOME TAX RETURN

Management is responsible for all information and representations contained in the financial statements and the income tax return covering the same reporting period. Furthermore, Management is responsible for all information and representations contained in all other reports and statements, but not limited, to the period of the return, and any and all other reports and statements.

Management affirms that the financial statements for the year ended December 31, 2010, and the accompanying income tax return, in accordance with the requirements of May N. Millana, in all material respects,

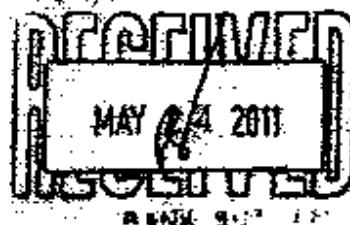
Annual financial statement has been prepared in accordance with the provisions of the National Tax Code, as amended, and pertinent tax regulations and other issuances of the Department of Finance and the Bureau of Internal Revenue;

any disparity of figures between the reports arising from the preparation of financial statements and the income tax return, has been reported as reconciling items and made known to the Department of Finance and the Bureau of Internal Revenue and reports in accordance with the requirements of the Department of Finance and the Bureau of Internal Revenue;

that May N. Millana has filed all taxable tax returns, reports and statements required to be filed with the Department of Finance, and all taxes and other impositions to be due and payable have been paid for the reporting period, except in good faith.

MAY N. MILLANA

Taxpayer



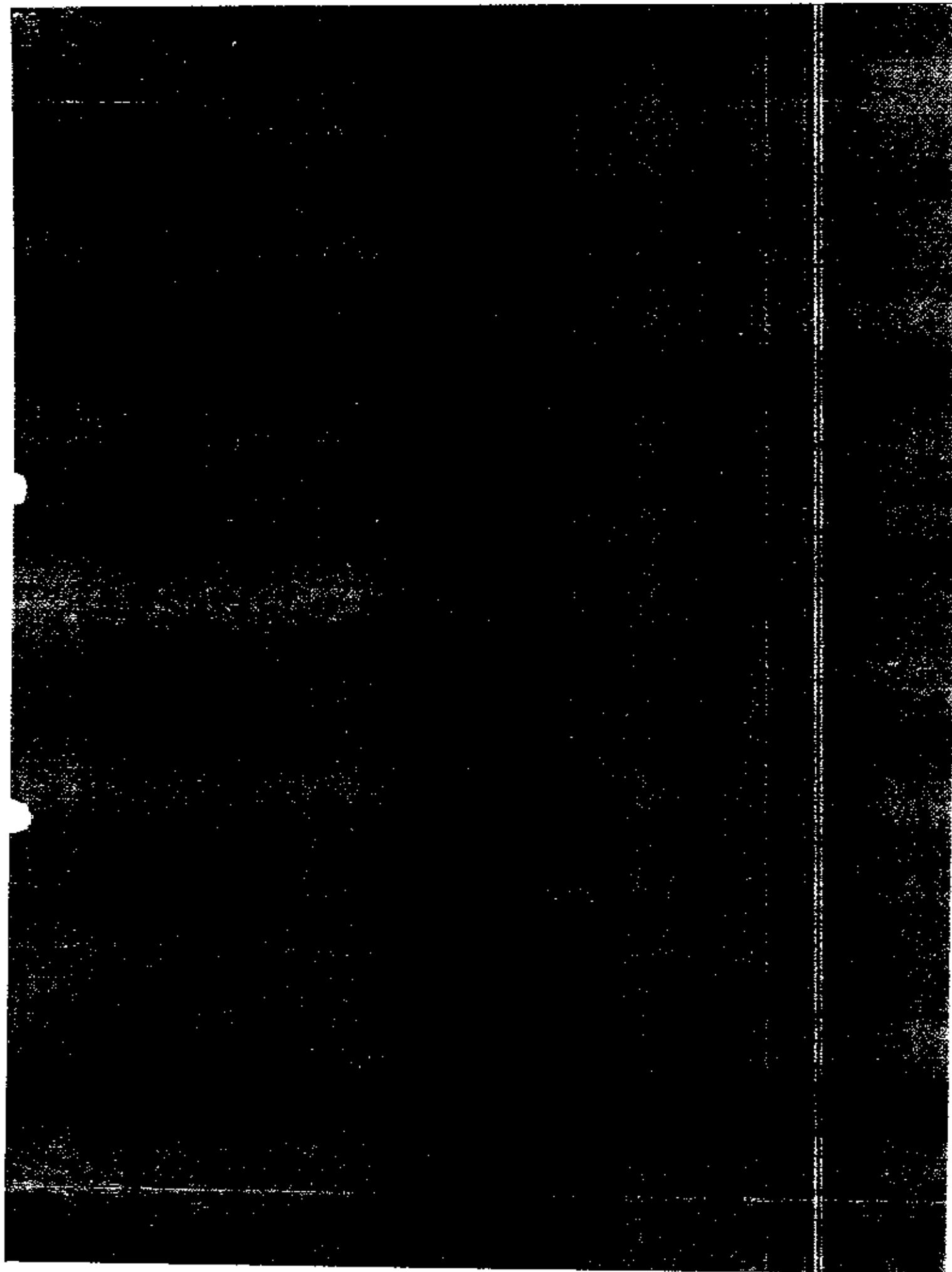
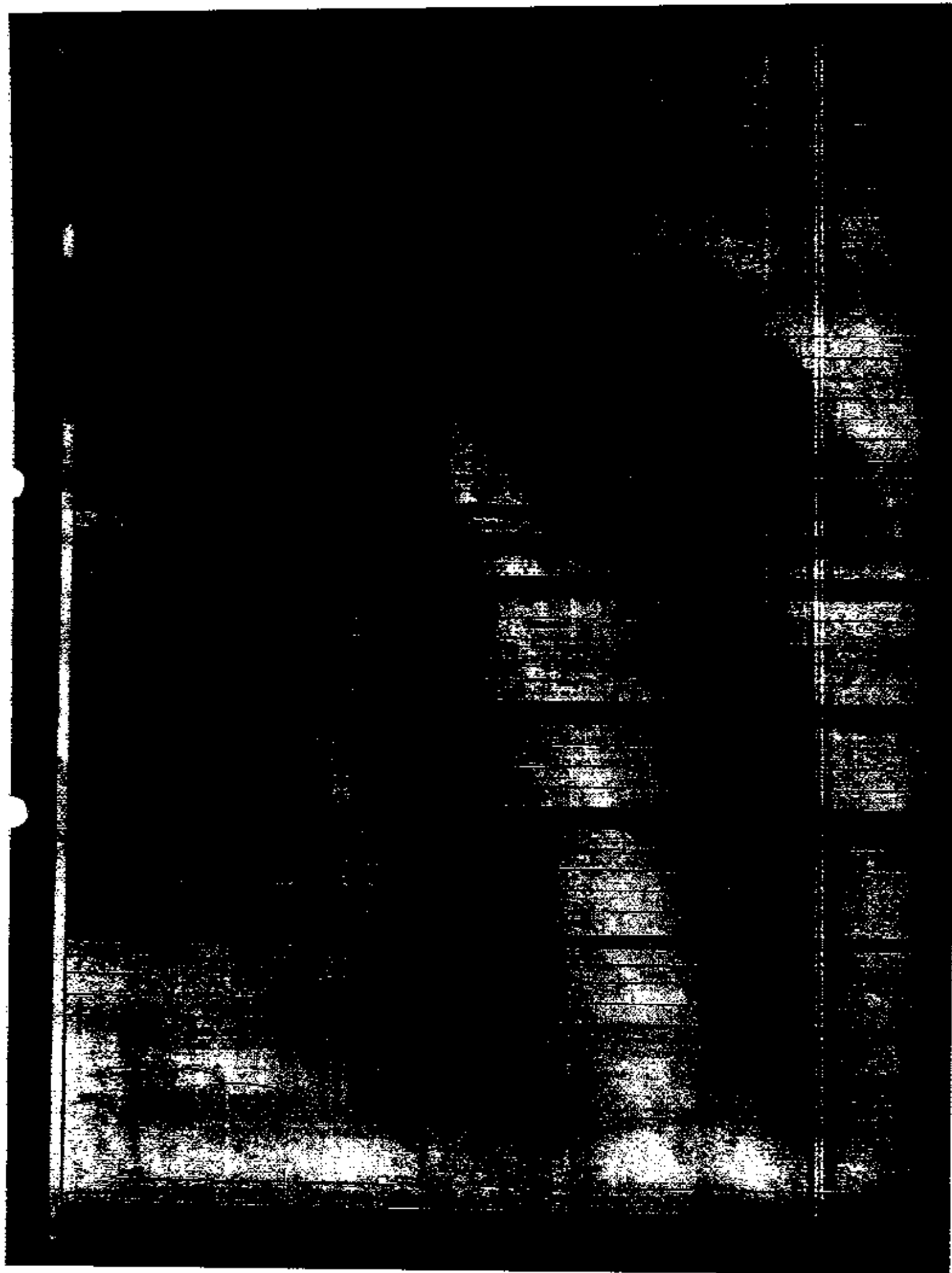


Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D). The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (A), 10⁷ cells/ml (B), 10⁸ cells/ml (C), and 10⁹ cells/ml (D).

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LAND BANK OF THE DISTRICT OF COLUMBIA
RECEIPT FOR DEPOSIT OF FUNDS

DATE WHEN RECEIVED: MAY 24, 2011
BY: [Signature]

AMOUNT OF DEPOSIT: \$1,534.00

DATE OF DEPOSIT: MAY 24, 2011

NAME OF DEPOSITOR: [Illegible]

ACCOUNT NO: [Illegible]

BRANCH: [Illegible]

DATE OF DEPOSIT: MAY 24, 2011

TIME: [Illegible]

LOCATION: [Illegible]

AMOUNT OF DEPOSIT: \$1,534.00

DATE OF DEPOSIT: MAY 24, 2011

LOCATION: [Illegible]

NAME OF DEPOSITOR: [Illegible]

ACCOUNT NO: [Illegible]

BRANCH: [Illegible]

AMOUNT OF DEPOSIT: \$1,534.00

DATE OF DEPOSIT: MAY 24, 2011

LOCATION: [Illegible]

NAME OF DEPOSITOR: [Illegible]

ACCOUNT NO: [Illegible]

BRANCH: [Illegible]

AMOUNT OF DEPOSIT: \$1,534.00

DATE OF DEPOSIT: MAY 24, 2011

LOCATION: [Illegible]

NAME OF DEPOSITOR: [Illegible]

ACCOUNT NO: [Illegible]

BRANCH: [Illegible]

AMOUNT OF DEPOSIT: \$1,534.00

DATE OF DEPOSIT: MAY 24, 2011

LOCATION: [Illegible]

RECEIVED
MAY 24, 2011
[Signature]

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NET INCOME

CURRENT ASSETS

11,200.00

NET INCOME

40,000.00

TOTAL

51,200.00

PREPARED BY EQUITY

Capital Contributions
Retained Earnings

P 61,000.00
40,000.00
111,700.00
30,000.00

Capital Withdrawals
Retained Earnings

81,700.00

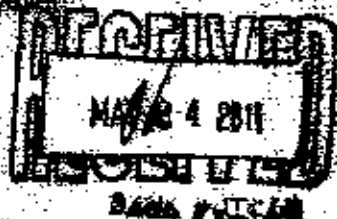
TOTAL EQUITY

P 81,700.00

Certified Correct

MAY N. MILLANA

Taxpayer



RESUME OF STOCKHOLDERS

Eduardo N. Millana

Macrina N. Millana

Marjorie P. Millana

Bobby N. Millana

May N. Millana

EDUARDO NIODA MILLANA

Home Address:

MSI Bldg. P2A Libertad, Butuan City 8600 Philippines

Mobile Phone: +63 919 6556441

Personal E-mail: ed@millana.org

Website: www.edmillana .com



Office Addresses:

MARJEDS SYSTEMS INC.

MSI Bldg. P2A Libertad, Butuan City 8600 Philippines

Phone: +63 85 8151515

+6 3 85 8157070

Fax No. +63 85 3602000

Website: www.marjeds.com

E-mail: ed@marjeds.com

MARJEDS SYSTEMS INC.

902 One San Miguel Ave. Bldg. San Miguel Ave. Cor Shaw Blvd. Ortigas Center, Pasig City, Philippines

Phone: +63 02 4709986

Qualification Summary:

More than 15 years experience in Broadcast Communication Electronics, special training earned over top leading resources, exposure into a large scale and complex projects, experienced in the different fields of wireless, data and broadband systems with direct exposure into different laboratory test equipment and computers, practicing professional innovation with the ability to handle simultaneous task.

Specialization:

Research & Development and Systems Integration: broadcast equipment and consumer's product for digital wireless broadcast and communication, micro-cell, carrier over carrier network and satellite communication for commercial and military application.

Product Design and Integration: DVB, ISDB, ATSC, DAB standard equipment specialized in modulation, multiplexing, encoding, IP encapsulation, Multicasting, Encryption and SFN.

Front-end and RF Design: analog and digital TV and FM transmission; modulation, processing, RF power combining, DC power design, impedance matching, antenna and transmission design.

Microwave RF Engineering: modulation, processing, embedded software integration, encryption and RF combining.

Embedded software development: MCU logic and flash base firmware, API and middleware.

Design and integration: satellite communication specialized in fixed earth station, transportable uplink, VSAT, on the move uplink and flyaway.

Programming: PHP, HTML, XML, Ruby, Python, C+, C++, Visual C++, Java, Pearl, and Scala.

Objective:

To utilize my experience and skills with a strong and stable organization that provides growth opportunity, career advancement, technical challenge, professional freedom and good environment.

Present Assignment:

President and CEO of MARJEDS SYSTEMS INC., a Philippine based company specializes in Broadcast Communication Electronics equipment Research & Development and Manufacturing. The company is also engaged in telecom system integration, management and operation.

Chairman of DIGIPHIL TECHNOLOGY INC., a newly organized Philippine based company engages in broadcast, telecom, consumer product and equipment manufacturing and distribution.

Chairman of WAVECAST NETWORK INC., a newly developed Philippine based company engages in network operation, management, data and content distribution.

Board of Director of FREESKY Technology Ltd., a China based a company engaged in R&D and manufacturing of satellite consumer's product and embedded software development.

Board of Director of PHILTECH Ltd., a company based in South Korea engages in R&D and manufacturing of Microwave and Satellite transmission equipment.

Achievement:

MARJEDS SYSTEMS INC. is a private Filipino owned corporation with investment in Broadcast Electronics and Communication. I founded the small company in the city of Butuan, Philippines on 1997 and serves as the company's Honorary Chairman. I took over as CEO in 2002, and have increased the size of the firm over the years through organic growth and strategic acquisitions. Under my stewardship, MARJEDS SYSTEMS INC. became the leading player in the Research and Development of Digital Broadcast in the Philippine Industry.

As the majority shareholder of the company, it is my initiative to create several businesses essentially to launch the first production line of the Philippine manufactured and integrated digital broadcast equipment under the brand name Digital-ST. Digital-ST gained international market reputation in USA, Europe and Asia for the past few years.

The company also plans to establish a nationwide digital broadcast carrier infrastructure in the Philippines after turning into a viable content and telecom partners. The company tends to buyout and raised substantial capital for investment locally and abroad. MARJEDS SYSTEMS INC. recently put-up two subsidiary companies named WAVECAST NETWORK INC. and DIGIPHIL TECHNOLOGY INC. which trusts is to setup a full scale electronics consumers manufacturing and commercial carrier network operation.

MARJEDS SYSTEMS INC. collaborated with local and International Corporation as a long term strategic partner.

In the past decade, MARJEDS SYSTEMS INC. has demonstrated its ability to deploy technology, capital as well as partner with leading international companies to create and grow businesses in several industries.

Carrier Highlights:

Installed over 400 GSM cell sites and microwave links for Smart Communications and Globe Telecom

Constructed over 10 CATV networks nationwide

Installed over 50 commercial FM and TV broadcast stations nationwide

Set-up and installed the first 18 Ghz and 28 Ghz MMDS test system in the Philippines

Developed new generation DSS Circuitry for military communication encryption now in the world market

Designed and developed RF amplifiers utilizing Motorola's MRF, MHW, CA, MHL series modules for production.

Designed and developed high-power RF amplifiers utilizing NXP chipset.

Developed PayTV CAS & SM software solution and middleware now in the world market under the brand name VIEWCRYPT.

Developed middleware and AIP for Fujitsu based DVB-S STB in partnership with Fujitsu Germany now in the world market.

Developed 18 Ghz RF amplifier for MMDS in collaboration of ALLSAT Germany now in the world market.

Developed 10 Mhz Block-up-converter Reference Oscillator for PHILTECH South Korea now in the world market.

Projects and Engagement with MSI:

2000 MSI designed and produce 120km. range Telephone Line Extender for commercial use.

2001 MSI started the local assembly of T V and FM Broadcast Transmitter using European RF sub-modules.

2002 MSI Completed about 150 installed cell sites for Globe Telecom and KEPPEL Communication.

2003 Succeed the local development of RF power modules for DVB-T/H transmission.

2004 MSI Completed around 300 installed cell sites and Microwave Link for Smart Communication.

2004 MSI Succeed the development of a complete high power DVB-T/H transmitter.

2004 MSI Succeed the design and started producing DVB-S, DVB-T and DVB-C Set Top Boxes through the cooperation of a China based embedded software company.

2005 MSI Started producing DVB-T broadcast transmission products.

2006 MSI established and expand its operation to China, USA, and Korea and establish cooperation with known International Distributors.

2007 MSI in cooperation with European and Korean associates opened an International trade name Digital-ST and started the distribution of digital terrestrial, cable and satellite broadcast product.

2008 MSI successfully developed and integrated new professional low cost solution and the production line of fixed and portable satellite broadcast equipment.

2009 MSI Completed the development of low cost multi-channel Digital Transmitter with BPSK modulation and MPEG4 encoding for nationwide wireless PayTV.

Manufacturing and Assembly Projects:

Assembly and integration of DVB-T Power Amplifiers utilizing NXP solution.

Assembly and integration of DVB-T Drive Amplifiers utilizing Free scale solution.

Assembly and integration of DVB-T Exciters and MC units.

Production of low cast DVB video Microwave Link.

Production of 48V 120A PSU.

Production of 1kW DSP+DDS FM transmitters.

Production of MC panels for Analog TV.

Production of 3kW FM broadband Broadcast Antennas.

Production of DVB-T Broadband Broadcast Antennas.

Production of 1kW and 2kW digital ready TV transmitters.

Production of 5kW FM transmitters.

Production of QPSK modulators.

Production of 10Mhz reference oscillator units.

Production of Ku-band BUC MU controller units.

Assembly and integration of COFDM modulators.

Assembly and integration of 8 channel MPEG2/4 StatMux Encoders.

Production of Gysel high power UHF combiners.

Production of UHF Antenna dividers.

Assembly and integration of Sync clock generator.

Integration of DVB-S CAS and API.

System Integration Projects:

Integration of Ku-band Fly-away satellite uplink using head-end for USA.

Integration of C-band redundant VSAT uplink for Hong Kong.

Supply and integration of Ku-band fixed terminal video uplink for Philippines.
Integration of 20 channel satellite DTH system for Germany.
Integration of 3 channel satellite uplink for South Africa.
Supply and integration of 2 hoops DVB video microwave link for Philippines.
Supply and integration of C-band Flyaway for Philippines.
Supply and integration of 4 channel Ku-band Flyaway satellite uplink for Philippines.
Integration of L-band MMDS system for Indonesia.
Integration of 12 channel C-band TV uplink for India.
Supply and installation of 3kW TV for Philippines using MSI TV transmitter.
Supply and installation of 1kW FM for Philippines using MSI-DF1200.
Supply and installation of 20 station, 1kW FM using MSI-DF1200.
Supply and installation of a nationwide UHF TV network for Philippines.

Educational Background:

Degree in Electronics & Communications Engineering, University of the East (Manila, Phil.) 1995
Diploma in Electronics Technology, Guzman Technical Institute (Manila, Phil.) 1991
Agusan National High School, graduated with honors (Butuan City, Phil.) 1989
Vocational Diploma Electronics Technician Course, ANHS Non-formal Education (Butuan City, Phil.) 1985
Butuan Central Elem. School, graduated with honors (Butuan City, Phil.) 1985

Special Trainings:

Delta RF Technology: RF Design & Engineering / Reno, USA / 1998
Silicon Valley RF: Electronic RF Design / Arlington Virginia, USA / 1998
Ericson: BTS Installation Training / Manila, Philippines / 1999
Ericson: Microwave Installation Training / Manila, Philippines / 1999
Nokia: BTS and Microwave Installation Training / Manila, Philippines / 2000
Alcatel: Link Budget Design and Microwave Installation / Manila, Philippines / 2000
NK Cables: Cable Termination & Installation / Manila, Philippines / 2001
Fujitsu: MCU Programming / Beijing, China / 2003
DEHOO Technology: Protel-99 Design Automation / Shenzhen, China / 2005
NXP: RF Design and Testing / Shenzhen, China / 2005

Personal Data:

39 years of age, in good health, stands 5'4" in height, weights 65 kilogram, black hair, brown eyes, medium built, fair complexion, married with three daughters and one son.

Macrina Nida Millana

January 14, 1950

P-2A, Libertad, Butuan City

(+63) 948-671-285-2



Education:

1965	Barobo Central Elementary School
1970	Father Saturnino Urios High School
1973	Accounting Father Urios College

Working Experience:

2002- Present	Board of Director Marjeds Systems Inc.
---------------	--

Marjorie Pino Millana

June 20, 1972

Village II, Libertad Butuan City

(+63) 932-206-428-3



Education:

1992

Bachelor of Elementary Education
Urios College, Butuan City

Working Experience:

1997-Present

Teacher II
Department of Education

2002-Present

Board of Director
Marjeds Systems Inc.

Bobby N. Millana

January 8, 1979

Village II, Libertad, Butuan City

(+63) 909-782-633-1

bob@marjeds.com



Education:

- | | |
|------|--|
| 1999 | Associate in Geodetic Engineering
NORMISIST, Ampayon Butuan City |
| 2002 | Electronics and Communication Engineering
Saint Joseph Institute of Technology |

Working Experience:

- | | |
|--------------|---|
| 2005-Present | Installer/Technician
Marjeds Systems Inc. |
|--------------|---|

May Nloda Millana

August 19, 1980

P-2A, Libertad, Butuan City

(+63) 918-380-004-2

may_millana@hotmail.com



Education:

2003

Bachelor of Secondary Education
Father Saturnino Urios University

Working Experience:

2006-2009

Teacher I
Department of Education

2009-Present

Instructor I
AMA Computer Learning Center
Butuan City

2005-Present

Board of Director
Marjeds Systems Inc.

FINANCIAL & ECONOMIC FEASIBILITY STUDIES

FOR THE PROPOSED

1.0 Kw. FM RADIO BROADCAST STATION

IN

SINDANGAN, ZAMBOANGA DEL NORTE

(A FIVE-YEAR DEVELOPMENT PLAN)

MILLAWAVE SYSTEMS CORPORATION
Proponent

SINDANGAN, ZAMBOANGA DEL NORTE

A Broadcast Economic Profile

I. INTRODUCTION

Profitability is a requirement of business survival. Viability is the pre-condition towards profitability. In more certain terms, economic viability spells out the basic assumption which leads to the firm's profitability. In other terms can an enterprise be profitable if the total business milieu does not permit viability. Nevertheless, it must be noted that economic viability takes a different dimension from industry to industry.

The profitability of the enterprise speaks much of its initial action to set-up business. Project costs, various income assumptions, projected income over a long period and payback period are just some of the more salient points to describe the profitability state of the proposed 1.0 Kw FM radio station in Sindangan, Zamboanga del Norte.

The economic environment of radio broadcast media today presents both an opportunity and threat to station operators. Profitability as a business requirement has become pronounced than ever. Changes in mass behavioral patterns have witnessed consequent adjustments in the program services of stations to vie enterprise have suffered financial losses due to ineptitude. Others, too, seem to follow suit.

It is in this current state of the business environment that would-be operators shy away from the industry. Unprofitability has automatically shelved feasibility studies to await better business prospects. Those who have remained in operation display greater resilience and resolve as they rise above the objectives of viability and profitability. They have, as one pundit puts it, addressed themselves to the call of public service.

The operation of FM Broadcast station is a type of enterprise that addressed to serve the public good. And why is this so? The people own the airwaves and it is the state, through the government who supervises and regulates the use of this domain. Hence, an entity granted and privilege to use the airwave must, for all intent and purposes, extend to the public that type of service that would serve and promote its interest and safeguard its welfare.

II. OBJECTIVES AND SCOPE OF STUDY

The objectives of this study are the following:

- a. Verify the need to provide radio program services in Sindangan;
- b. Highlight the demographic profile of the area
- c. Present basic issues on Economic Viability

Armed with this set of objectives, the study is presented in the following manner:

1. Size and Profile of Market Audience:
 - a. population
 - b. age group
 - c. occupation/various source of income
 - d. average family income/expenditures
 - e. household ownership of radio sets
2. Size and Profile of existing radio stations in the area
 - a. number
 - b. sharing on Sindangan gross revenue
 - c. share of AM and FM service
3. Program Profile of Sindangan's stations and the imperatives for market

MARKET AUDIENCE:

Sindangan is mentioned as the regional market for goods and services. The rationale for this is its population growth rate. Table I shows the profile:

TABLE 1
Sindangan, Zamboanga del Norte Population
Ave. Growth of 1.34% Per Annum

Year	Population
2005	118,007
2006	119,694
2007	121,405
2008	123,141
2009	124,901
2010	127,142
2011	128,731
2012	130,340
2013	131,969
2014	133,618
2015	135,669

(Source : NCSO Population Projection, Medium Assumption)

Zamboanga del Norte, like other Province in the Philippines is primarily composed of young people. This is shown in Table II:

TABLE II
Age Grouping of Zamboanga del Norte Province
(As of 2005)

AGE GROUP			MALE	FEMALE
0	-	4	62,918	60,557
5	-	9	59,248	57,136
10	-	14	55,550	54,036
15	-	19	51,577	50,027
20	-	24	46,711	45,113
25	-	29	42,744	40,256
30	-	34	35,403	31,845
35	-	39	30,381	29,377
40	-	44	25,363	24,658
45	-	49	22,041	21,469
50	-	54	17,554	18,471
55	-	59	13,335	13,249
60	-	64	10,263	11,012
65	-	69	7,804	8,418
70	-	74	4,987	5,877
75 +			4,448	6,184

With a total households of 23,347 in year 2007, Sindangan boasts of a labor force of 32,300 skilled and semi-skilled workers. This does not include the unreported casual and temporary employment of other members of the household as farm and factory workers.

Gleaned with the average size of the family in the area, Sindangan holds on to 5.0 members per household. This totals 23,347 households for an estimated combined annual family income of P245.1 million and an expenditure of P210.8 million. In terms of trade, the mentioned amounts represents the gross value of the money available with the consumers to propel the town of Sindangan into a major center of economic activity. The latest count shows 21,012 households or 90 percent of the total household owns at least one radio set. Of these number, 80% are owned by the so called C and D economic classes. Such classes represent the mass audience composed of workers in the agro estates and factories. The remaining number of the estimated total number of sets are owned by the well-to-do householders.

TABLE III
Household Socio-Economic Class
Sindangan, Zamboanga del Norte

Monthly Family Income	% Household	No. of Household
AB (Php 25,000 +)	2.0%	466
C (Php 6,001-25,000)	14%	3,268

D (Php 3,001-6,000)	45%	10,506
E (Php3,000 less)	39%	9,105

TABLE IV
The Broadcast Environment

As of December 2009, there is only one (1) FM radio broadcasting station existing in Sindangan, Zamboanga del Norte operated by Manila Broadcasting Company (DXRF-FM, 92.1 MHz.)

FINANCIAL STUDY

The total cost of the project will be P 1,000,000.00 of which P 500,000.00 goes to the purchase of transmitter, P 200,000.00 for the purchase of antenna, P 250,000.00 for the studio equipment and the remaining balance of P 50,000.00 is for the office furniture and fixture.

The basic assumption of our financial study which evaluates the financial viability of the project are as follows:

1. There are 4.5 spots/hr available
2. Air time rate shall be P 200.00 per 30 second slot
3. Only 20% of the total available air time could be sold
4. The said station shall broadcast 20 hours per day
5. Only 80% of air time sales will be collected

6. Operating expenses is projected at 7% per annum.
7. Taxes are also computed at 7% increase per annum

RESULT OF FINANCIAL STUDY

The attached Projected Income Statement shows that the station can generate a Gross Income of P 1,036,800.00 on year 1 on the assumption that only 20% of the available air time can be sold at P 200.00 per 30 second slot. Sales are expected to increase by an average of 15% per annum due to scheduled increase in air time rates. On the second year, the revenue could now reached P 1,192,320.00 and for the fifth year of operation, the station could generate a revenue of P 1,813,370.

The net income for the first year of operation is projected to be P 82,800.00 and shall increase to P 549,429.00 by year five. This increase is based on the assumption that the operating capital shall be maintained at a rate of 7% per annum.

For a complete understanding of the financial projections of the study, please refer to Annexes A, B, C and D.

FINANCIAL ANALYSIS

In preparing any study, one of the primary factors to be considered is the analysis of the project's profitability. The profits that could be generated in this project should in turn be compared to other alternative investment open to the company. In this particular study, the average return of investment is estimated at 29.97% per annum. This ROI is fairly attractive in as much that in other business endeavor, the ratio will rarely go about 18% per annum. It is also emphasized that the figures in this study are all conservative. So, in all probability, the actual income of this project would exceed those already projected.

FUNDING REQUIREMENTS

Applicant, MILLAWAVE SYSTEMS CORPORATION, intends to finance this project thru additional capital infusions from their stockholders.

CONCLUSION:

This study is made to determine the economic viability of Sindangan, Zamboanga del Norte and to answer the very basic question on how the town of Sindangan fared with the entry of this new FM station.

The foregoing explanations, tables and figures in this study are carefully presented in order to arrive at the conclusion applicable to **MILLAWAVE SYSTEMS CORPORATION** in setting up a new FM broadcast station. This study also shows that the local economy in Sindangan is healthy enough to absorb this new station.

Finally, all the resulting benefits from the setting up of a new FM station in Sindangan clearly outweigh any disadvantage, in terms of greater employment generated, larger revenue for the local government, increase dissemination of information in the area and it will surely give the people of Sindangan the benefit of a hometown radio station comparable to existing stations in the Region in order to satisfy their requirement in entertainment and information.

Exhibit I
Five Year Income Projection

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
AIRTIME SALES (Php)	1,036,800.00	1,192,320.00	1,371,168.00	1,576,843.00	1,813,370.00
Less: Operating Expenses					
Commission	282,500.00	312,975.00	334,888.00	358,325.00	383,407.00
Heat, Light and Water	50,000.00	53,500.00	57,245.00	61,252.00	65,539.00
Salaries, Bonuses and Allow.	494,000.00	543,400.00	548,834.00	603,717.00	664,088.00
Rental	40,000.00	42,800.00	45,796.00	49,001.00	52,431.00
Transportation/Travelling	15,000.00	16,050.00	17,173.00	18,375.00	19,661.00
Representation & Entertainment	15,000.00	16,050.00	17,173.00	18,375.00	19,661.00
Advertising and Promotion	18,750.00	20,062.00	21,466.00	22,969.00	24,577.00
Depreciation	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00
Taxes	18,750.00	20,062.00	21,466.00	22,969.00	24,577.00
Total	954,000.00	1,034,899.00	1,074,041.00	1,164,983.00	1,263,941.00
Net Income	82,800.00	157,421.00	297,127.00	411,860.00	549,429.00

Note: Operating Expenses is projected to increase by 7% per annum except depreciation expense

Exhibit 2
Total Project Cost

ASSETS :	COST (Php)
Transmitter	500,000.00
Antenna Tower	200,000.00
Studio Equipment	250,000.00
Office Furniture/Fixture	50,000.00
TOTAL	P 1,000,000.00

Exhibit 3
Financial Analysis

A. RETURN OF INVESTMENT (ROI) =
$$\frac{\text{NET INCOME}}{\text{TOTAL PROJECT COST}}$$

YEAR	NET INCOME (Php)	ROI (%)
I	82,800.00	8.28%
II	157,421.00	16%
III	297,127.00	29.71%
IV	411,860.00	41.18%
V	549,429.00	54.94%
Total Net Income	1,498,637.00	
Total Project Cost	1,000,000.00	
Ave. Net Income	299,727.00	
Ave. ROI	29.97%	

Exhibit 4
Manpower Requirement and Salaries

Position	S A L A R Y	
	Per Month (Php)	Per Annum (Php)
OPERATIONS :		
Station Manager	12,000.00	156,000.00
Discjockey (2 x P8,000)	16,000.00	208,000.00
TECHNICAL DEPT. :		
Technician	6,000.00	78,000.00
ADMINISTRATIVE :		
Utility Man/Messenger	4,000.00	52,000.00
Total	38,000.00	494,000.00

Note:

* include 13th month pay

salaries and wages are expected to increase by 7% per annum

**FREQUENCY FEASIBILITY STUDY
AND DETERMINATION OF FIELD INTENSITY CONTOURS**

PROPOSED STATION PARTICULARS :

Location : Sindangan, Zamboanga del Norte
Frequency/Channel : 94.5 Mhz
Power : 1 Kw (ERP = 2.1 Kw)
Antenna Height : 150 Ft.
Antenna Gain : 3.2 dB

RADIO FREQUENCY PROTECTION RATIOS:

FREQUENCY SPACING (KHz)	R.F. SIGNAL RATIO
0	60 dBu : 15 dBu
200	60 dBu : 53 dBu
400	60 dBu : 80 dBu

The nature and extent of protection from interference accorded the FM broadcast stations is limited solely to that which results from the application of the radio frequency protection ratio.

FIELD INTENSITY:

R.F. SIGNAL	SIGNAL STRENGTH (KM)
60 dBu (1mv/m)	17 Km
15 dBu (5.62 uv/m)	124 Km
53 dBu (0.4466 mv/m)	25 Km
80 dBu (10 mv/m)	6 Km
48 dBu (251 uv/m)	33 Km

MINIMUM DISTANCE SEPARATION REQUIREMENTS :

NEAREST CO-CHANNEL STATION:

DXRB-FM / 0.5 Kw (ERP = 1.05 Kw) / Tacurong, Sultan Kudarat

Aerial Distance Separation = 250 Km

Minimum Distance Requirement = 138 Km

FOR 400 KHZ ADJACENT STATIONS :

DXZZ-FM / 5 Kw (ERP = 15 Kw) / 94.1 Mhz / Dipolog City

Aerial Distance Separation = 46 Km

Minimum Distance requirement = 34 Km

DETERMINATION OF EFFECTIVE RADIUS OF SERVICE OF ARE (ERSA):

ANT. HEIGHT = 150 Ft.

POWER = 1 Kw (ERP = 2.1 Kw)

FOR PRIMARY (60dBu / 1 mV/m)

Radius = 17 Km

FOR SECONDARY (48 dBu / 251uV/m)

Radius = 33 Km

TECHNICAL CONCLUSION:

From the above calculations, it would be shown that the proposed 1 Kw FM Radio Station in Sindangan, Zamboanga del Norte meets the minimum distance requirement hence the proposed station is technically feasible and will cause no harmful interference.

PREDICTION OF SERVICE AREA AND OF INTERFERENCE FM RADIO BROADCAST STATION

CALL SIGN : NEW FREQUENCY : 94.5 Mhz. CHANNEL: _____
 LOCATION OF TRANSMITTER : SINDANGAN, ZAMBOANGA DEL NORTE
 TRANSMITTER POWER: 1 Kilowatts EFFECTIVE RADIATED POWER: 2.1 Kilowatts
 ANTENNA HEIGHT : 150 Feet HAAT ANTENNA GAIN: 3.2 dB
 TYPE OF ANTENNA: Circularly Polarized
 NO. OF BAYS: 4

EXTENT OF FIELDS IN KILOMETERS

60 dBu : 1 mv/m	15 dBu : 5.62 uv/m	53 dBu : 446 uv/m	80 dBu : 10mv/m	48 dBu : 251 uv/m
17 Km	124 Km	25 Km	6 Km	33 Km

BASIC CONSIDERATIONS:

- Applications for FM BROADCAST AUTHORIZATIONS must show two field strength contours, these are the 48 dBu (251 uv/m) and the 60 dBu (1 mv/m) contours.
- THE ALLOCATION PROTECTION RATIOS FOR FM BROADCASTS ARE AS FOLLOWS:

FREQUENCY ADJACENCY	FREQUENCY SEPARATION	R.F. SIGNAL RATIO	R.F. PROTECTION RATIO (dB)
CO-CHANNEL	0	60 dBu : 15 dBu 1 mv/m : 5.62 uv/m	45
FIRST ADJACENCY (UPPER OR LOWER)	200 KHZ	60 dBu : 53 dBu 1mv/m : 0.4466 mv/m	7
SECOND ADJACENCY (LOWER OR UPPER)	400 KHZ	60 dBu : 80 dBu 1 mv/m : 10 mv/m	-20

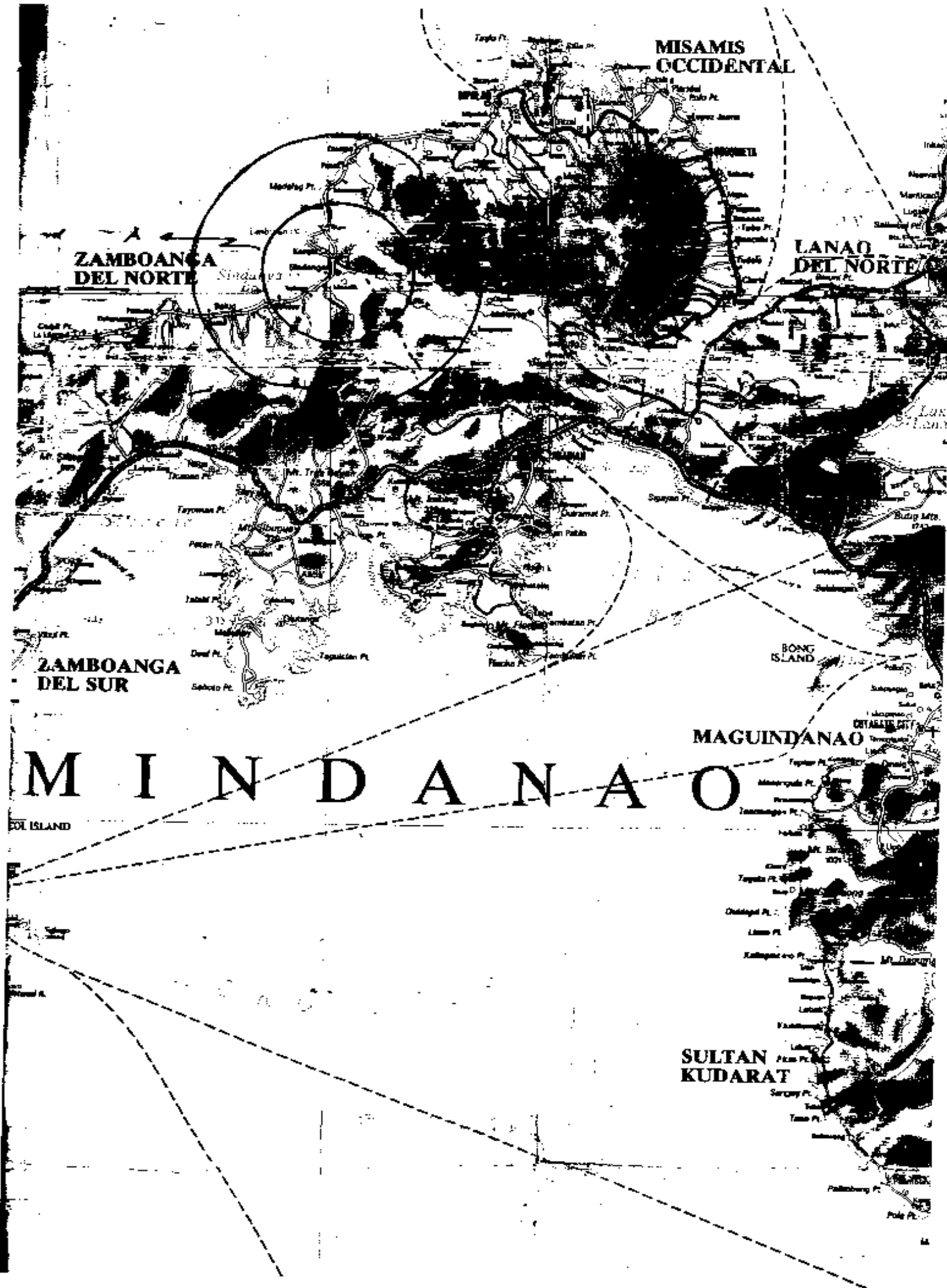
- In predicting the distance to the field strength contours (EXTENT OF FIELDS) " F (50,50) FM CHANNELS FIELD INTENSITY CHART" (FCC) may be used. The chart is based on an ERP of one kilowatt. For other values of ERP, the accompanying sliders shall be used. The distance in miles obtained from use of the chart is converted to kilometers by multiplying mile by 1.609.
- INTERFERENCE IS IMMINENT when the aggregate sum of the 'extent of fields' of two stations (based on their frequency separation and RF protection ratio) is greater than the physical distance between these two stations.

CO-CHANNEL STATIONS			LOCATION OF TRANSMITTER (CITY/TOWN, PROVINCE)	KILOMETERS AWAY	EXTENT OF FIELDS		AGGREGATE (Km)	INTERFERENCE (YES OR NO)
CALL-SIGN	FREQ. (MHz)	ERP (Kw)			60 dBu	15 dBu		
DXRB	94.5	1.05	Tacurong, Sultan Kudarat	250	14	111	138	No
PA	94.5	10	Kalibo, Aklan	348	25	164	181	No
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
1 st ADJACENCY (200 KHz)					60 dBu	53 dBu		
DXWZ	94.3	45	Cagayan de Oro City	180	35	49	66	No
PA	94.3	10	Ipil, Zamboanga Sibugay	67	25	37	54	No
DYLL	94.7	60	Cebu City	250	38	52	69	No
DXLL	94.7	30	Davao City	315	32	45	62	No
PA	94.7	10	Zamboanga City	160	25	37	54	No
2 nd ADJACENCY (400 KHz)					60 dBu	80 dBu		
DXZZ	94.1	15	Dipolog City	46	28	9	34	No
DXLN	94.1	10	Pagadian City	58	25	8	31	No
DYRL	94.9	1.05	Balamban, Cebu	262	14	5	22	No
PU	94.9	2.1	Kabacan, North Cotabato	235	17	6	23	No

FINDINGS:

Based on the aggregate sum of the 'Extent of Fields' of the proposed station and its co-channel/adjacent stations, interference is not imminent. • (signals are attenuated by the presence of natural obstruction)

CERTIFICATION		DRY SEAL
I certify that I have prepared this section of this application on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.		
Name	Address	
Signature	PRC Reg. No. PTR No.	
Relationship w/ applicant (e.g. Consulting Engr)	Issued on Issued at	



**ZAMBOANGA
DEL NORTE**

**MISAMIS
OCCIDENTAL**

**LANAO
DEL NORTE**

**ZAMBOANGA
DEL SUR**

MAGUINDANAO

M I N D A N A O

**SULTAN
KUDARAT**

CONSTRUCTION OF THE

BROADCAST STATION

Source: <http://www.scribd.com/doc/10111111/10111111>

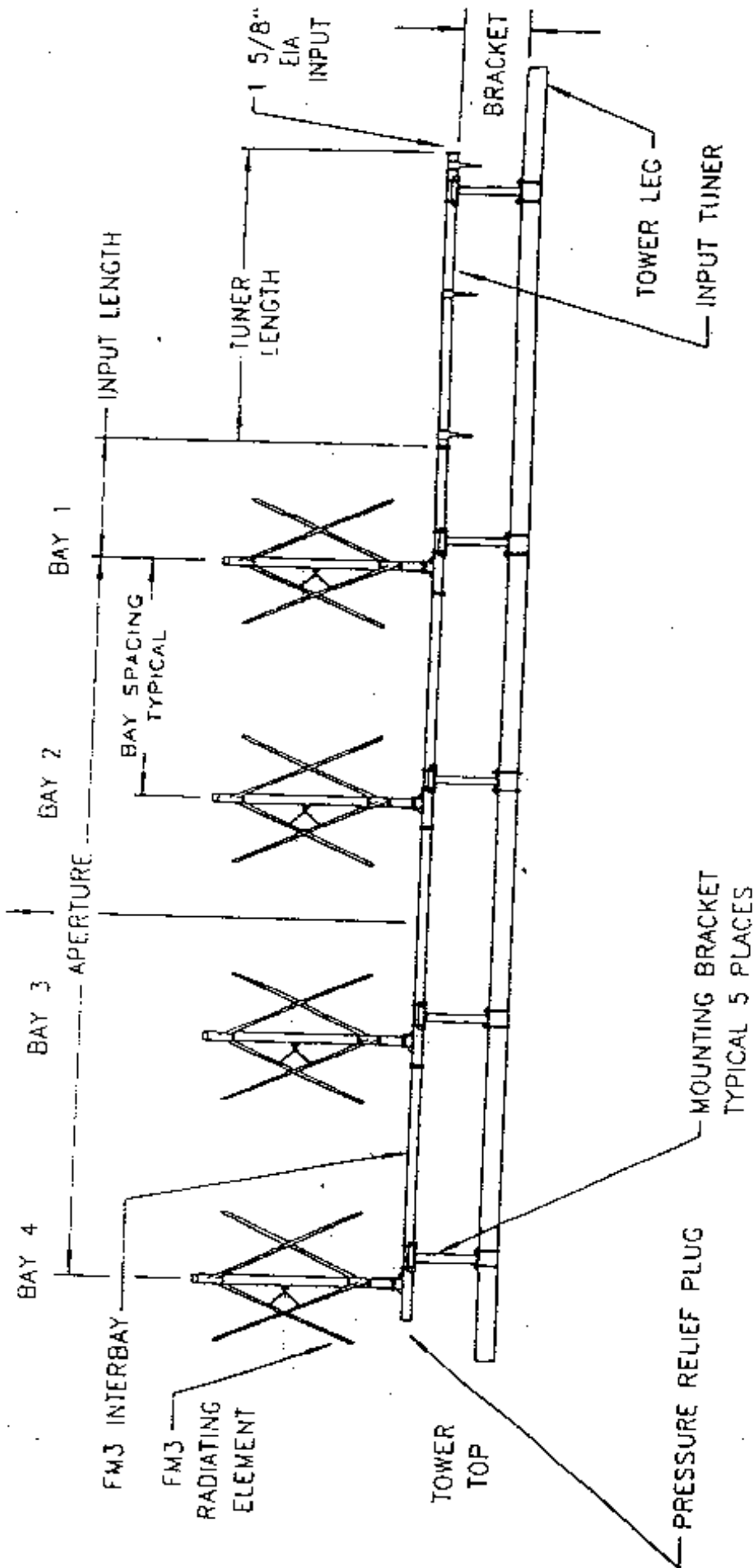
Умножение

Frequency of Change

TRANSITION POWER

[illegible]

CORNER OF RADIATION



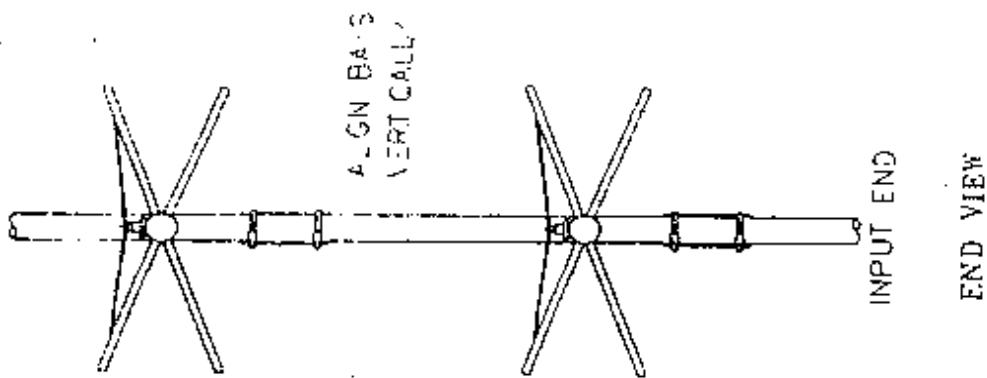
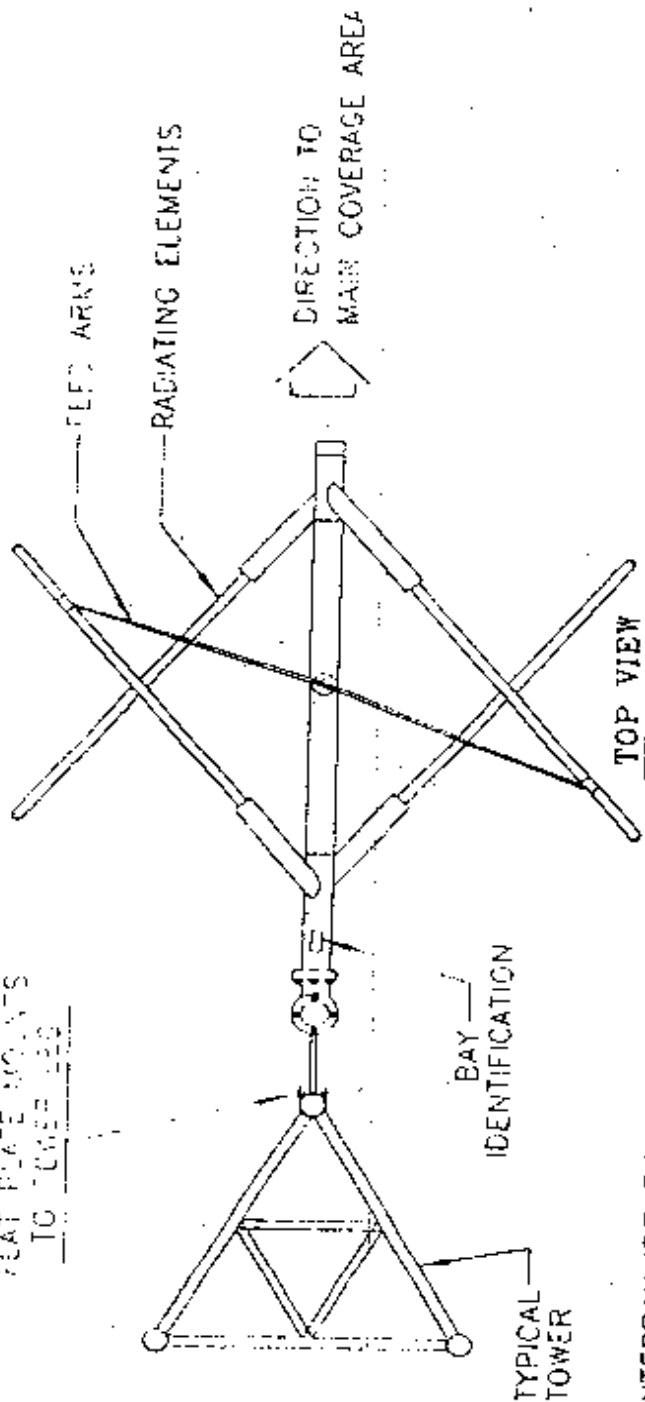
CALL LETTERS:
FREQUENCY:
DATE:

DIMENSIONS:

APERTURE:
BAY SPACING:
BRACKET:
TUNER LENGTH:
INPUT LENGTH:

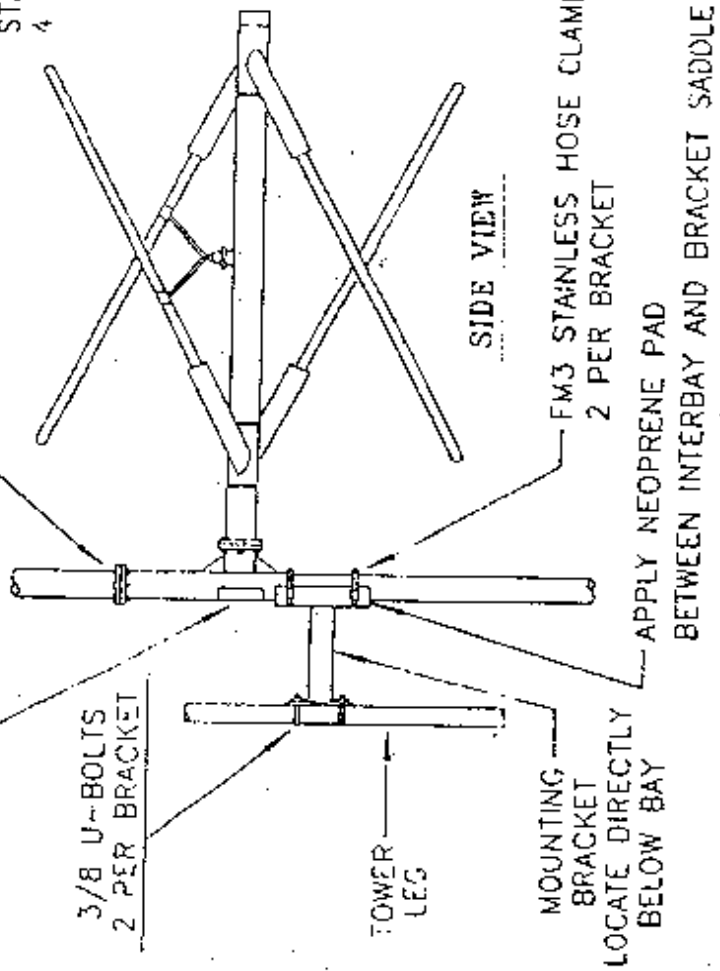
REV.	TOLERANCES .X ± .015 .XX ± .005 .XXX ± .002 X/Y ± 1/32 DEC. ± 1/2	TITLE: 4-BAY FM3 END FEED INSTALLATION				DATE		SCALE: NTS		SHOP APPROVED: ENG.		DRAWING #	
UNLESS OTHERWISE SPECIFIED												FIG1-A08	

FLAT PLATE MOUNTS
TO TOWER LEG



5/16-18 x 1-1/4"
STAINLESS NUT, LOCK, BOLT
4 SETS PER FLANGE

INTERBAY IDENTIFICATION



REV.	TOLERANCES	FIGURE TWO
X	± .015	FM3 ELEMENT DETAIL
XY	± .005	DATE: SCALE: DRAWN: SHOP APPROVED: ENG.
XXX	± .002	NTS
X/Y	± 1/32	MATERIAL:
DEC.	± 1/2	DRAWING: FIG2-A01
UNLESS OTHERWISE SPECIFIED		

FM Broadcast Antenna Medium Power PENETRATOR

This FM antenna is the medium power version of the JHPC antenna, which has become an industry standard for quality and performance. Each bay consists of a JHPC style radiating element with a 15/8 inch shunt feed line supported by a galvanized steel mounting bracket; standard round leg mounting brackets for a uniform face tower are included with each antenna. Silver plated inner conductor connectors are used throughout for maximum contact life and minimum power loss.

Excellent Performance for Stereo and
SCA Operation

Excellent VSWR Bandwidth

Rugged Mechanical Construction
and mounting

True Circular Polarization

Frequency Range 88-108 MHz

Factory Tuned on a Similar Mounting
Structure

DC Grounded at Every Bay for Maximum
Lightning Protection

Made With Marine Brass and Copper for
Long-Lasting Performance

