

# PETITION FOR SPECIAL EXCEPTION

TO THE ZONING COMMISSIONER OF BALTIMORE COUNTY:

The undersigned, legal owner(s) of the property situate in Baltimore County and which is described in the description and plat attached hereto and made a part hereof, hereby petition for a Special Exception under the Zoning Law and Zoning Regulations of Baltimore County, to use the herein described property for wireless transmitting and receiving structures and accessory equipment building

Property is to be posted and advertised as prescribed by Zoning Regulations.

I, or we, agree to pay expenses of above Special Exception advertising, posting, etc., upon filing of this petition, and further agree to and are to be bound by the zoning regulations and restrictions of Baltimore County adopted pursuant to the Zoning Law for Baltimore County.

I/We do solemnly declare and affirm, under the penalties of perjury, that I/we are the legal owner(s) of the property which is the subject of this Petition.

Lessee:  
Motorola, Inc.  
(Type or Print Name)  
By: W. Paul Matthias  
Signature  
1301 East Algonquin Road  
Address  
Schaumburg, Illinois 60196  
City and State

Legal Owner(s):  
Ridgely Condominium Association, Inc.  
(Type or Print Name)  
By: Stanley L. Curtis  
Signature  
(Stanley L. Curtis)  
(Type or Print Name)  
Signature

Attorney for Petitioner:  
Mark Pollak, Esquire  
(Type or Print Name)  
Piper & Marbury, 1100 Charles  
Center South, 36 S. Charles St.  
Address  
Baltimore, Maryland 21201  
City and State  
Attorney's Telephone No.: 539-2530

205 East Joppa Road  
Address  
Towson, Maryland 21204  
City and State  
Name, address and phone number of legal owner, contractor purchaser or representative to be contacted  
Paul Matthias, Motorola, Inc.  
7230 Parkway Drive  
Hagerstown, Md. 21076  
Address  
796-8600  
Phone No.

ORDERED By The Zoning Commissioner of Baltimore County, this 19th day of May, 1982, that the subject matter of this petition be advertised, as required by the Zoning Law of Baltimore County, in two newspapers of general circulation throughout Baltimore County, that property be posted, and that the public hearing be had before the Zoning Commissioner of Baltimore County in Room 106, County Office Building in Towson, Baltimore County, on the 22nd day of June, 1982, at 10:15 o'clock A.M.

William E. Hammond  
Zoning Commissioner of Baltimore County

ECO-1

(over)

RE: PETITION FOR SPECIAL EXCEPTION : BEFORE THE ZONING COMMISSIONER  
S/S of East Joppa Rd., 200'  
SE of centerline of Virginia Ave.,  
9th District  
: OF BALTIMORE COUNTY  
RIDGELY CONDOMINIUM ASSOCIATION, INC. : Case No. 82-279-X  
Petitioner

## ORDER TO ENTER APPEARANCE

Mr. Commissioner:

Pursuant to the authority contained in Section 524.1 of the Baltimore County Charter, I hereby enter my appearance in this proceeding. You are requested to notify me of any hearing date or dates which may be now or hereafter designated therefor, and of the passage of any preliminary or final Order in connection therewith.

Peter Max Zimmerman  
Peter Max Zimmerman  
Deputy People's Counsel  
John W. Hession, III  
John W. Hession, III  
People's Counsel for Baltimore County  
Rm. 223, Court House  
Towson, Maryland 21204  
494-2188

I HEREBY CERTIFY that on this 2nd day of June, 1982, a copy of the foregoing Order was mailed to Mark Pollak, Esquire, Piper & Marbury, 1100 Charles Center South, Baltimore, Maryland 21201, Attorney for Petitioner; and Mr. W. Paul Matthias, Motorola, Inc., 1301 E. Algonquin Road, Schaumburg, Illinois 60196, Lessee.

John W. Hession, III  
John W. Hession, III

RE: PETITION FOR SPECIAL EXCEPTION : BEFORE THE  
S/S of East Joppa Road, 200' SE of the  
centerline of Virginia Avenue - 9th  
Election District  
Ridgely Condominium Association, Inc. : OF  
Petitioner  
NO. 82-279-X (Item No. 214) : BALTIMORE COUNTY

The petitioners herein, Ridgely Condominium Association, Inc., as owner of the common elements of the condominium, and Motorola, Inc., as lessee of the common elements, seek a special exception for wireless transmitting and receiving structures and an accessory equipment building to be erected and constructed on the roof of the community room of the Ridgely Condominiums, as shown on the site plan prepared by Spellman, Larson and Associates, Inc., revised May 19, 1982, and marked Petitioners' Exhibit 1.

It appearing that by reason of the requirements of Section 502.1 of the Baltimore County Zoning Regulations having been met and the health, safety, and general welfare of the community not being adversely affected, the special exception should be granted.

Therefore, IT IS ORDERED by the Zoning Commissioner of Baltimore County, this 12th day of July, 1982, that the Petition for Special Exception for wireless transmitting and receiving structures and an accessory equipment building, in accordance with Petitioners' Exhibit 1, is hereby GRANTED, from and after the date of this Order, subject, however to the following restrictions:

1. Certification by a registered professional engineer that the transmitting and receiving structures have been erected in accordance with all safety requirements. Each five (5) years thereafter, a certification by a registered professional engineer shall be filed with the Department of Permits and Licenses indicating that the aforementioned structures continue to meet all safety requirements. Any upgrading or maintenance required to comply with any changes in the safety requirements, or to maintain the safety thereof, shall be performed prior to the filing of such certification.

2. Approval of the aforementioned site plan by the Department of Permits and Licenses, the Department of Public Works, and the Office of Planning and Zoning.

William E. Hammond  
Zoning Commissioner of  
Baltimore County

ORDER RECEIVED FOR FILING

DATE July 12, 1982

BY John W. Hession, III  
ADMINISTRATIVE ASSISTANT

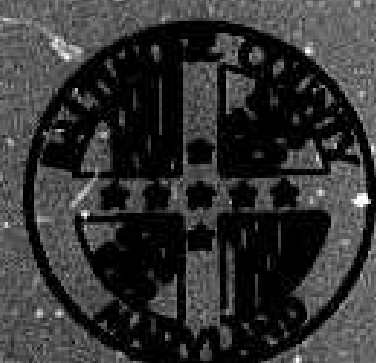
ORDER RECEIVED FOR FILING

DATE July 12, 1982

BY John W. Hession, III  
ADMINISTRATIVE ASSISTANT

- 2 -

## BALTIMORE COUNTY ZONING PLANS ADVISORY COMMITTEE



PETITION AND SITE PLAN  
EVALUATION COMMENTS

## BALTIMORE COUNTY OFFICE OF PLANNING & ZONING

County Office Building  
111 W. Chesapeake Avenue  
Towson, Maryland 21204

Your Petition has been received and accepted for filing this 19th day of May, 1982

William E. Hammond  
Zoning Commissioner

Petitioner: Ridgely Condominium Assoc., Inc.  
Petitioner's Attorney: Mark Pollak, Esq.

Reviewed by Nicholas B. Commodari  
Nicholas B. Commodari  
Chairman, Zoning Plans  
Advisory Committee

## BALTIMORE COUNTY ZONING PLANS ADVISORY COMMITTEE

June 10, 1982

COUNTY OFFICE BLDG.  
111 W. Chesapeake Ave.  
Towson, Maryland 21204

cc:  
Nicholas B. Commodari  
Chairman

MEMO-48  
Bureau of Engineering  
Department of Traffic Engineering  
State Roads Commission  
Bureau of Fire Prevention  
Health Department  
Project Planning  
Building Department  
Board of Education  
Zoning Administration  
Industrial Development

Mark Pollak, Esquire  
Piper & Marbury  
1100 Charles Center South  
36 S. Charles Street  
Baltimore, Maryland 21201

RE: Item No. 214  
Petitioner - Ridgely Condominium Assoc., Inc.  
Special Exception Petition

Dear Mr. Pollak:

The Zoning Plans Advisory Committee has reviewed the plans submitted with the above referenced petition. The following comments are not intended to indicate the appropriateness of the zoning action requested, but to assure that all parties are made aware of plans or problems with regard to the development plans that may have a bearing on this case. The Director of Planning may file a written report with the Zoning Commissioner with recommendations as to the suitability of the requested zoning.

Enclosed are all comments submitted from the members of the Committee at this time that offer or request information on your petition. If similar comments from the remaining members are received, I will forward them to you. Otherwise, any comment that is not informative will be placed in the hearing file. This petition was accepted for filing on the date of the enclosed filing certificate and a hearing scheduled accordingly.

Very truly yours,

Nicholas B. Commodari  
NICHOLAS B. COMMODARI  
Chairman  
Zoning Plans Advisory Committee

ENCLOSURE  
cc: Spellman, Larson & Associates  
Suite 107  
Jefferson Bldg.  
Towson, Md. 21204



BALTIMORE COUNTY  
DEPARTMENT OF TRAFFIC ENGINEERING  
TOWSON, MARYLAND 21204  
494-3550

STEPHEN E. COLLINS  
DIRECTOR

June 4, 1982

Mr. William Hammond  
Zoning Commissioner  
County Office Building  
Towson, Maryland 21204

RE: ZAC Meeting of 4/27/82

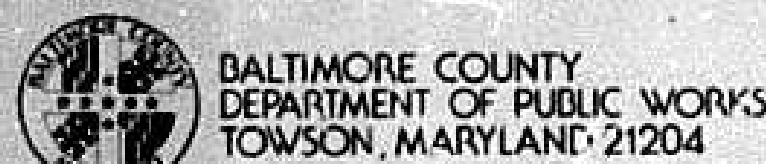
Dear Mr. Hammond:

This office has no comments for items 210 through 216.

Sincerely,

C. Richard Moore  
C. Richard Moore  
Assistant Traffic Engineer

CRM/GMJ/r1j



HARRY J. PISTEL, P.E.  
DIRECTOR

Mr. William E. Hammond  
Zoning Commissioner  
County Office Building  
Towson, Maryland 21204

Re: Item #214 (1981-1982)  
Property Owner: Ridgely Condominium Assoc., Inc.  
279.83' from S/S Joppa Rd. 200' E. from centerline  
of Virginia Ave.  
Acres: 0.0138 District: 9th

Dear Mr. Hammond:

The following comments are furnished in regard to the plat submitted to this office for review by the Zoning Advisory Committee in connection with the subject item.

General:

Baltimore County highway and utility improvements are not directly involved.

This office has no further comment in regard to the plan submitted for Zoning Advisory Committee review in connection with this Item 214 (1981-1982).

Very truly yours,

*Robert A. Norton*  
ROBERT A. NORTON, P.E., Chief  
Bureau of Public Services

RAM:RAM:FWR:ss

N-NE Key Sheet  
38 NE 4 Pos. Sheet  
NE 10 A Topo  
70 & 70A Tax Maps

BALTIMORE COUNTY, MARYLAND

INTER-OFFICE CORRESPONDENCE

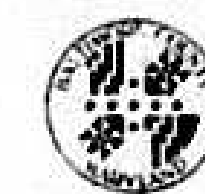
William E. Hammond, Zoning Commissioner  
TO: Office of Planning and Zoning Date: June 16, 1982  
FROM: Ian J. Forrest  
SUBJECT: Zoning Variance Items

The Baltimore County Department of Health has reviewed the following zoning variance items, and has no specific comments regarding same:

- Item #208 - Dr. Larry & Gail Becker
- Item #211 - Donald D. & Joyce A. Smith
- Item #214 - Ridgely Condominium Assoc., Inc.
- Item #225 - James Brudzinaki, et al
- Item #230 - Louis & Gertrude Kiefer
- Item #231 - Randalltown Associates
- Item #233 - Millard A. & Leslie R. Bierman, Jr.
- Item #234 - 21st Century Properties
- Item #239 - Norman Isaac & Victoria DeChantal Sines, Jr.
- Item #241 - Thomas J. Jerbi
- Item #243 - Chesapeake Limited Partnership
- Item #246 - Joseph & Elizabeth Bector
- Item #247 - Michael J. Rife
- Item #248 - Ray H. & Susan Watts, Jr.
- Item #254 - William P. Gebhardt, et al
- Item #255 - Dorothy A. Tallaghen, et al
- Item #256 - Burningwood Realty, Inc.

*Ian J. Forrest*  
Ian J. Forrest, Director  
BUREAU OF ENVIRONMENTAL SERVICES

IJF/5th



BALTIMORE COUNTY  
FIRE DEPARTMENT  
TOWSON, MARYLAND 21204  
825-7310

PAUL H. RENCKE  
CHIEF

June 14, 1982

Mr. William Hammond  
Zoning Commissioner  
Office of Planning and Zoning  
Baltimore County Office Building  
Towson, Maryland 21204  
Attention: Nick Commodari, Chairman  
Zoning Plans Advisory Committee

RE: Property Owner: Ridgely Condominium Assoc., Inc.

Location: 279.83' from S/S Joppa Road 200' E. from centerline of Virginia Avenue

Item No.: 214

Zoning Agenda: Meeting of April 27, 1982

Gentlemen:

Pursuant to your request, the referenced property has been surveyed by this Bureau and the comments below marked with an "X" are applicable and required to be corrected or incorporated into the final plans for the property.

- ( ) 1. Fire hydrants for the referenced property are required and shall be located at intervals or \_\_\_\_\_ feet along an approved road in accordance with Baltimore County Standards as published by the Department of Public Works.
- ( ) 2. A second means of vehicle access is required for the site.
- ( ) 3. The vehicle dead end condition shown at \_\_\_\_\_ EXCEEDS the maximum allowed by the Fire Department.
- ( ) 4. The site shall be made to comply with all applicable parts of the Fire Prevention Code prior to occupancy or beginning of operation.
- ( ) 5. The buildings and structures existing or proposed on the site shall comply with all applicable requirements of the National Fire Protection Association Standard No. 101 "Life Safety Code", 1976 Edition prior to occupancy.
- ( ) 6. Site plans are approved, as drawn.
- (X) 7. The Fire Prevention Bureau has no comments, at this time.

REVIEWED: *Paul H. Rencke* Noted and  
Planning Group Approved: *William E. Hammond*  
Special Inspection Division Fire Prevention Bureau

JK/mbl  
82-279-X  
6/22



BALTIMORE COUNTY  
DEPARTMENT OF PERMITS & LICENSES  
TOWSON, MARYLAND 21204  
494-3900

May 20, 1982

TED ZALESKI, JR.  
DIRECTOR  
Mr. William E. Hammond, Zoning Commissioner  
Office of Planning and Zoning  
County Office Building  
Towson, Maryland 21204

Dear Mr. Hammond:

Comments on Item # 214 Zoning Advisory Committee Meeting April 27, 1982.  
are as follows:

Property Owner: Ridgely Condominium Associates, Inc. from centerline of Virginia Ave.  
Location: 279.83' from S/S Joppa Road 200' E.  
Existing Zoning: B-1-C  
Proposed Zoning: Special Exception for wireless transmitting and receiving structure.

Acres: 0.0138  
District: 9th

The items checked below are applicable:

- X A. All structure shall conform to the Baltimore County Building Code 1981/ Council Bill 1-82 State of Maryland Code for the Handicapped and Age and other applicable Codes.
- X B. A building/\_\_\_\_\_ permit shall be required before beginning construction.
- C. Residential: Three sets of construction drawings are required to file a permit application. Architect/Engineer seal is/is not required.
- X D. Commercial: Three sets of construction drawings with a Maryland Registered Architect or Engineer shall be required to file a permit application.
- E. In wood frame construction an exterior wall erected within 6'0" of an adjacent lot line shall be of one hour fire resistive construction; no openings permitted within 3'0" of lot line. A firewall is required if construction is on the lot line. See Table 401, line 2, Section 1407 and Table 1402.
- F. Requested variance conflicts with the Baltimore County Building Code. Section/\_\_\_\_\_
- G. A change of occupancy shall be applied for, along with an alteration permit application, and three required sets of drawings indicating how the structure will meet the Code requirements for the proposed change. Drawings may require a professional seal.
- H. Before this office can comment on the above structure, please have the owner, thru the services of a Registered in Maryland Architect or Engineer certify to this office, that, the structure for which a proposed change in use is proposed can comply with the height/area requirements of Table 505 and the required construction classification of Table 401.
- X I. Comments: Drawings for structural design shall be certified by a registered Professional Eng. in Maryland. If the structure is enclosed, it could interfere with the existing vent. Roof structures shall comply with Section 1426.1. Section 626.0 applies to antennae.

NOTE: These comments reflect only on the information provided by the drawings submitted to the office of Planning and Zoning and are not intended to be construed as the full extent of any permit.  
If desired additional information may be obtained by visiting Room 2122 (Plans Review) at 111 West Chesapeake Ave., Towson.

Very truly yours,

*Charles E. Burnham*  
Charles E. Burnham, Chief  
Plans Review

BALTIMORE COUNTY PUBLIC SCHOOLS

Robert V. Dubel, Superintendent

Towson, Maryland - 2 204

Date: April 27, 1982

Mr. William E. Hammond  
Zoning Commissioner  
Baltimore County Office Building  
1111 West Chesapeake Avenue  
Towson, Maryland 21204

Z.A.C. Meeting of: April 27, 1982

RE: Item No: 210, 211, 212, 213, 214, 215, 216, 217  
Property Owner:  
Location:  
Present Zoning:  
Proposed Zoning:

District:  
No. Acres:

Dear Mr. Hammond:

All of the above have no bearing on student population.

Very truly yours,

*Wm. Nick Petrovich*  
Wm. Nick Petrovich, Assistant  
Department of Planning



BALTIMORE COUNTY  
OFFICE OF PLANNING & ZONING  
TOWSON, MARYLAND 21204  
494-3353

WILLIAM E. HAMMOND  
ZONING COMMISSIONER

July 12, 1982

Mark Pollak, Esquire  
Piper & Marbury  
1100 Charles Center South  
36 South Charles Street  
Baltimore, Maryland 21201

RE: Petition for Special Exception  
S/S of East Joppa Road, 200' SE of  
the centerline of Virginia Avenue -  
9th Election District  
Ridgely Condominium Association,  
Inc. - Petitioner  
NC - 82-279-X (Item No. 214)

Dear Mr. Pollak:

I have this date passed my Order in the above referenced matter in accordance with the attached.

Very truly yours,

*William E. Hammond*  
WILLIAM E. HAMMOND  
Zoning Commissioner

WEH/srl

/Attachments

cc: John W. Hessian, III, Esquire  
People's Counsel

May 25, 1982

Mr. Paul Matthias  
Motorola, Inc.  
7230 Parkway Drive  
Hanover, Maryland 21076

NOTICE OF HEARING

Re: Petition for Special Exception  
S/S E. Joppa Rd., 200' SE of the centerline of Virginia Ave.  
Ridgely Condominium Association, Inc. - Petitioner  
Case #82-279-X

TIME: 10:15 A.M.

DATE: Tuesday, June 22, 1982

PLACE: ROOM 106 COUNTY OFFICE BUILDING, 111 W. CHESAPEAKE AVENUE,

TOWSON, MARYLAND

cc: Mark Pollak, Esquire  
Piper & Marbury  
1100 Charles Center South  
36 S. Charles Street  
Baltimore, Maryland 21201

*William E. Hammond*  
WILLIAM E. HAMMOND  
ZONING COMMISSIONER OF  
BALTIMORE COUNTY



BALTIMORE COUNTY  
OFFICE OF PLANNING & ZONING  
TOWSON, MARYLAND 21204  
494-3353

WILLIAM E. HAMMOND  
ZONING COMMISSIONER

June 23, 1982

Mr. Paul Matthias  
Motorola, Inc.  
7230 Parkway Drive  
Hanover, Maryland 21076

Re: Petition for Special Exception  
S/S of E. Joppa Rd., 200' SE of  
centerline of Virginia Avenue  
Ridgely Condominium Assn. - Petitioner  
Case #82-279-X

Dear Mr. Matthias:

This is to advise you that \$69.12 is due for advertising and posting of the above property.

Please make the check payable to Baltimore County, Maryland, and remit to Arlene January, Zoning Office, Room 113, County Office Building, Towson, Maryland 21204, before the hearing.

Very truly yours,

*William E. Hammond*  
WILLIAM E. HAMMOND  
Zoning Commissioner

WEH:aj

# PETITION FOR SPECIAL EXCEPTION

9th Election District

**ZONING:** Petition for Special Exception

**LOCATION:** South side of East Joppa Road, 200 ft. Southeast of the centerline of Virginia Avenue

**DATE & TIME:** Tuesday, June 22, 1982 at 10:15 A.M.

**PUBLIC HEARING:** Room 106, County Office Building, 111 W. Chesapeake Avenue, Towson, Maryland

The Zoning Commissioner of Baltimore County, by authority of the Zoning Act and Regulations of Baltimore County, will hold a public hearing:

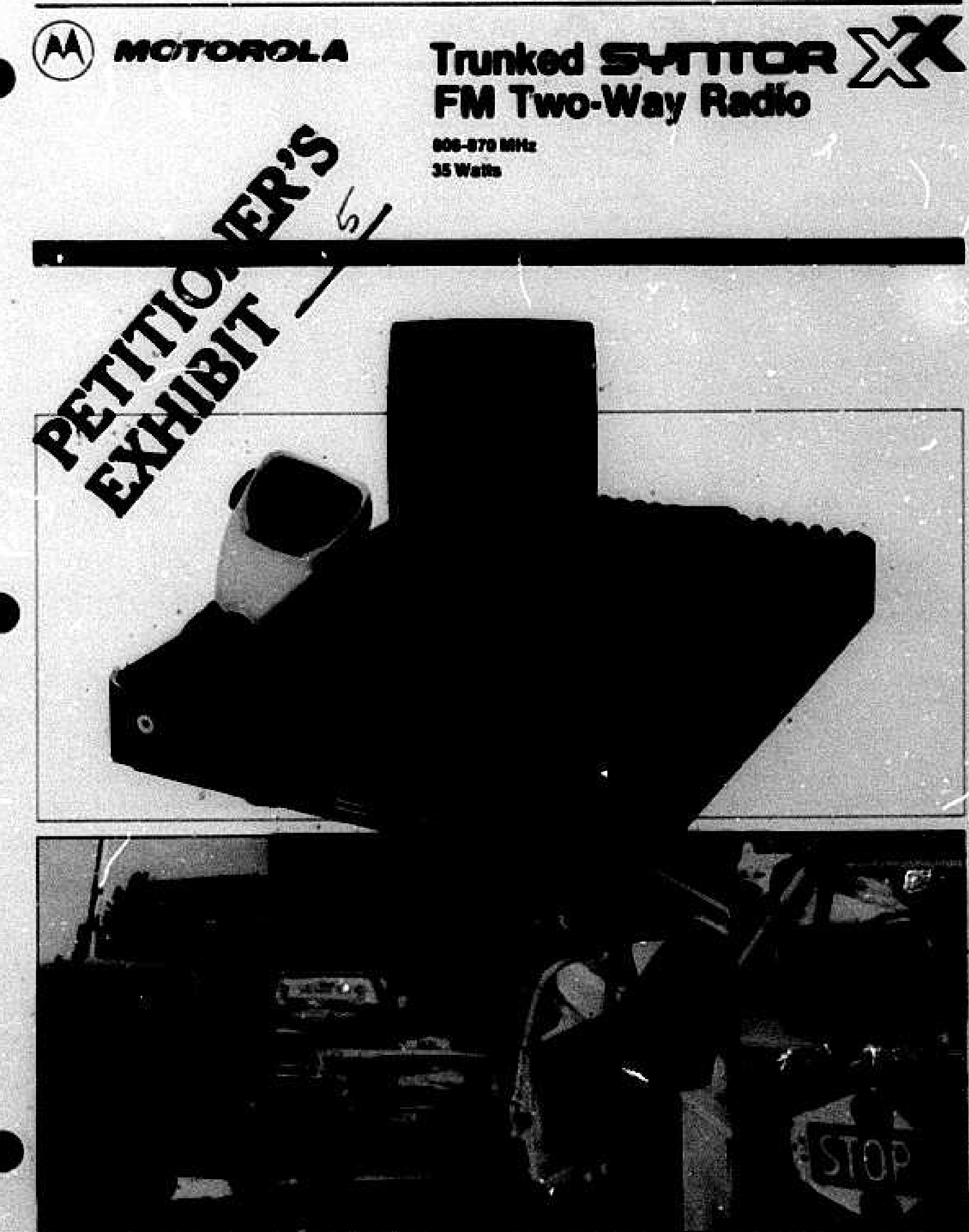
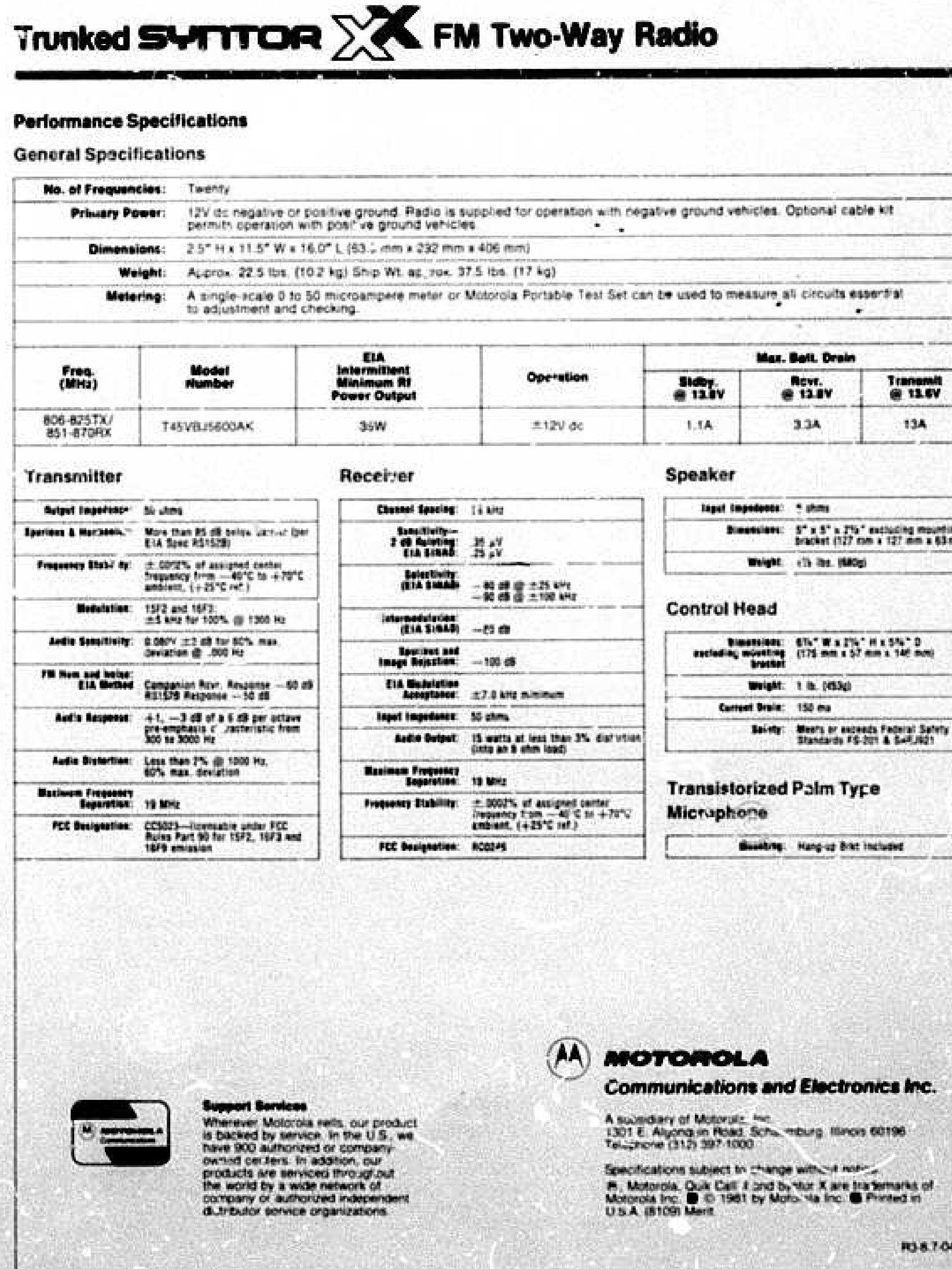
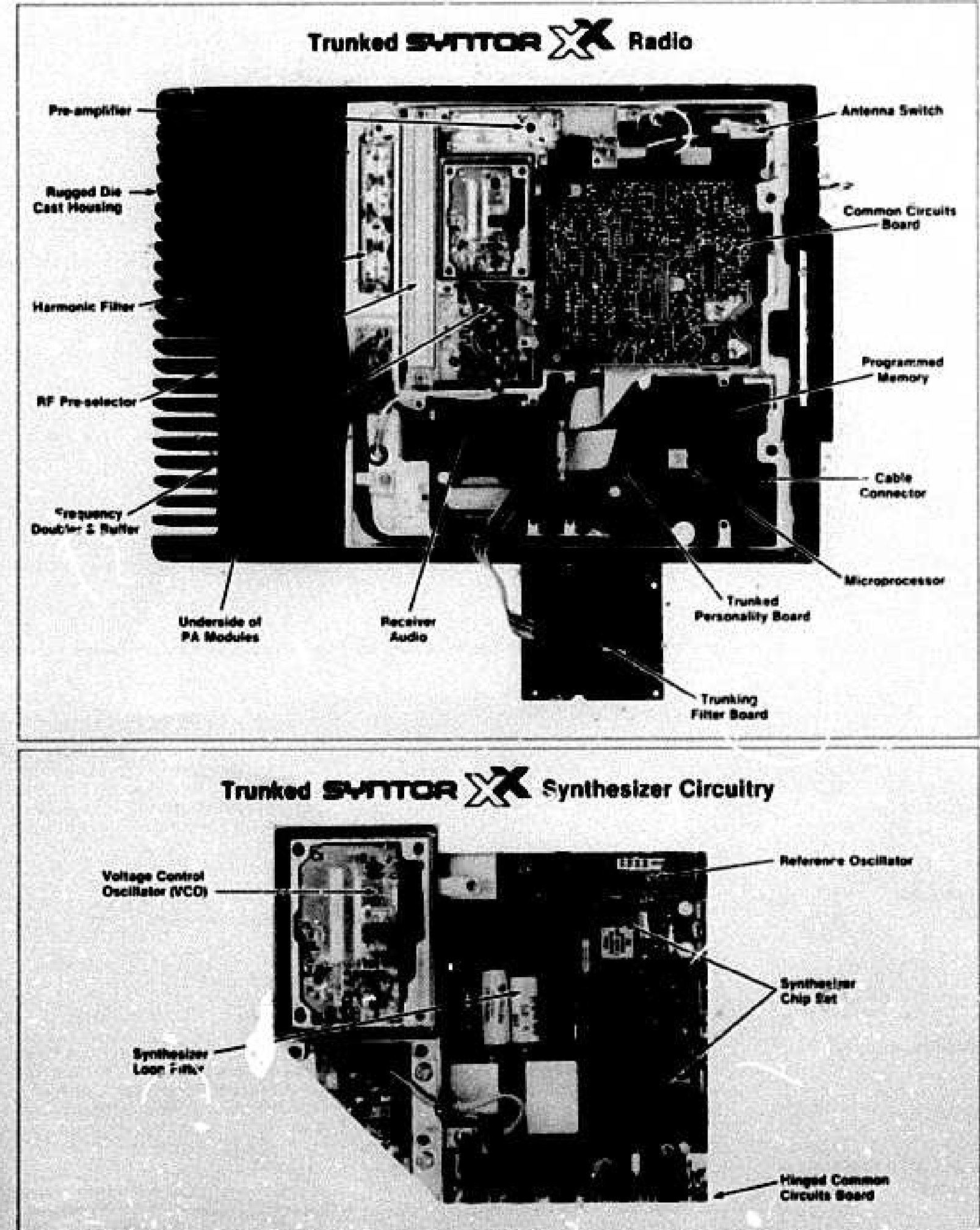
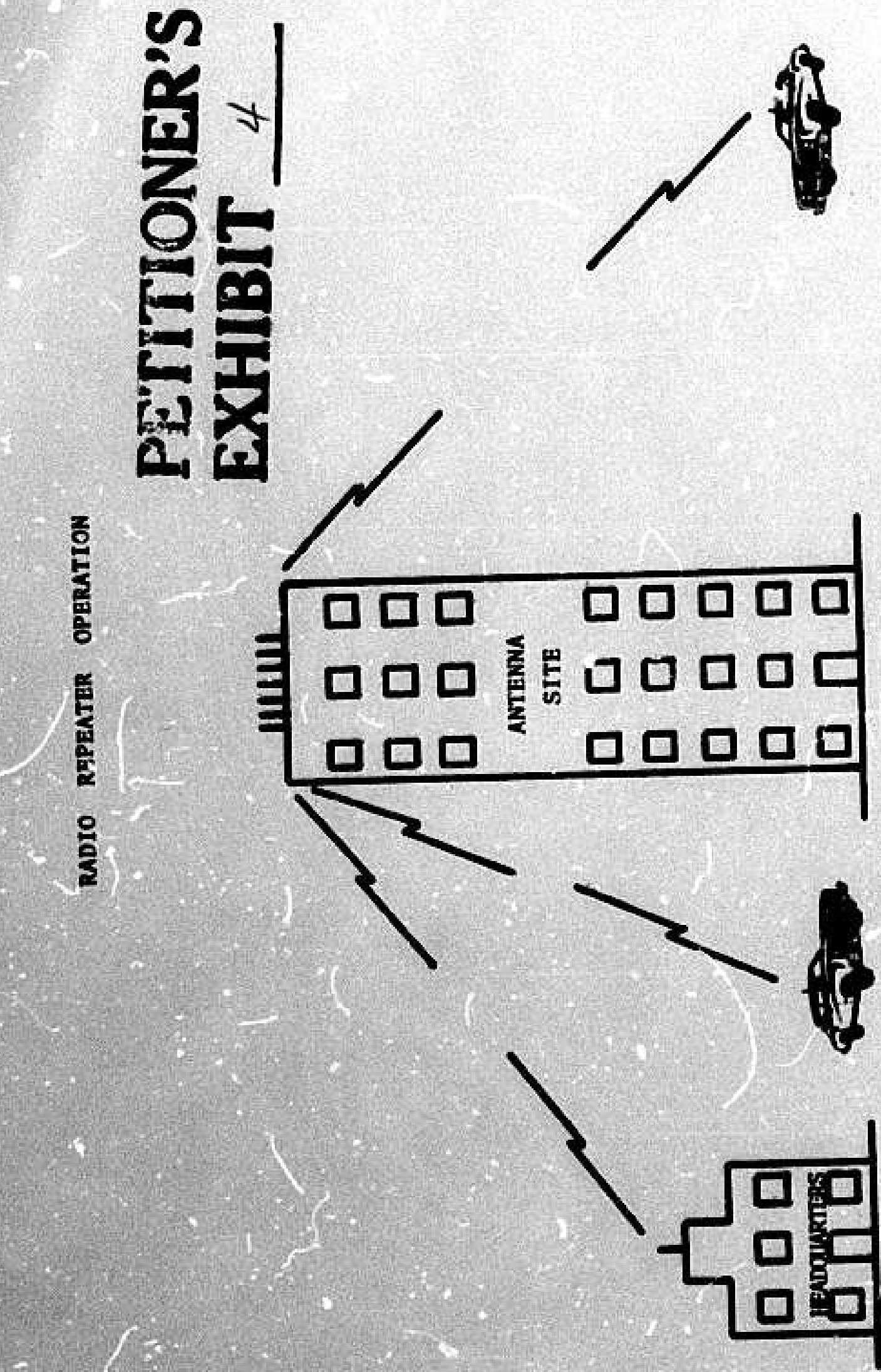
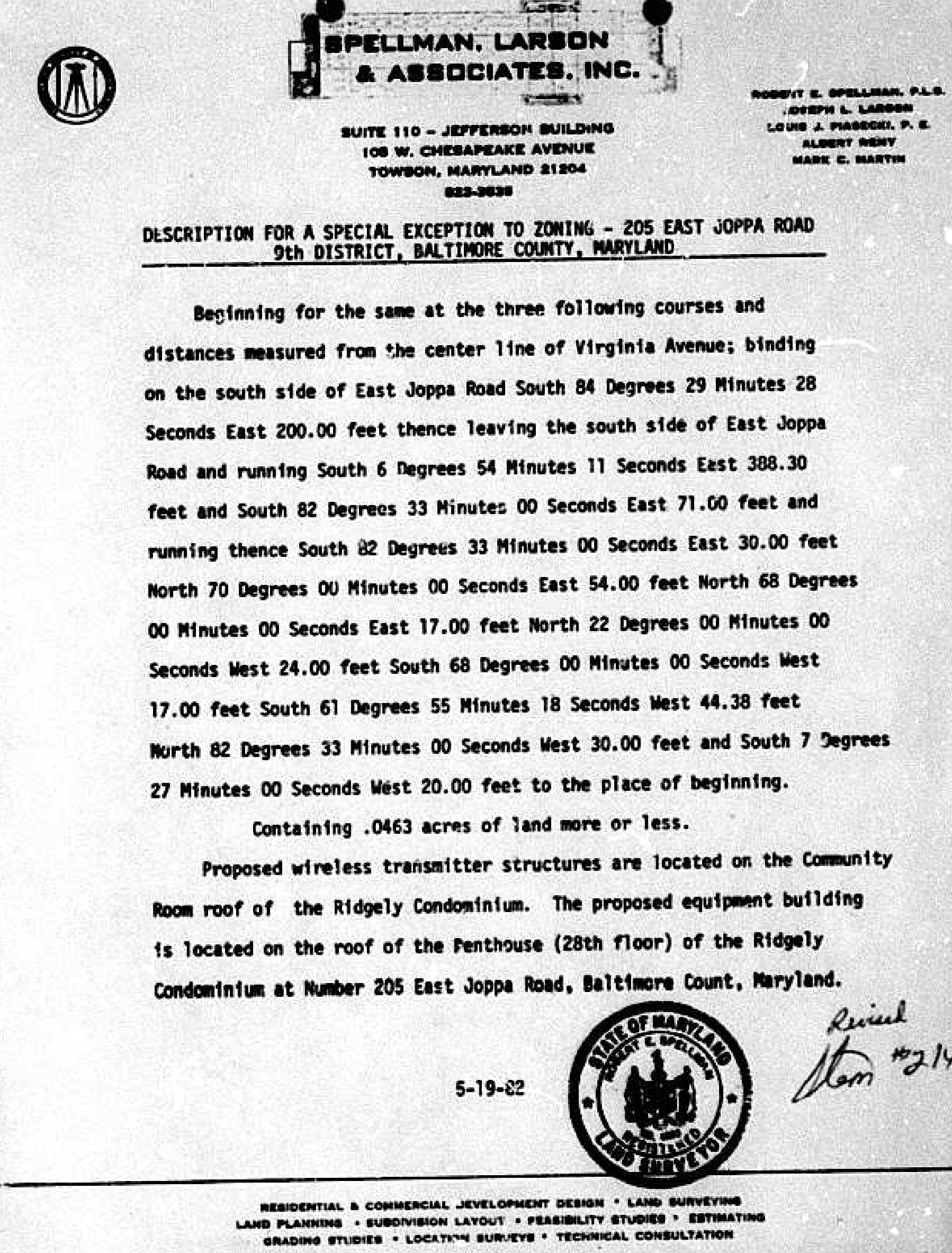
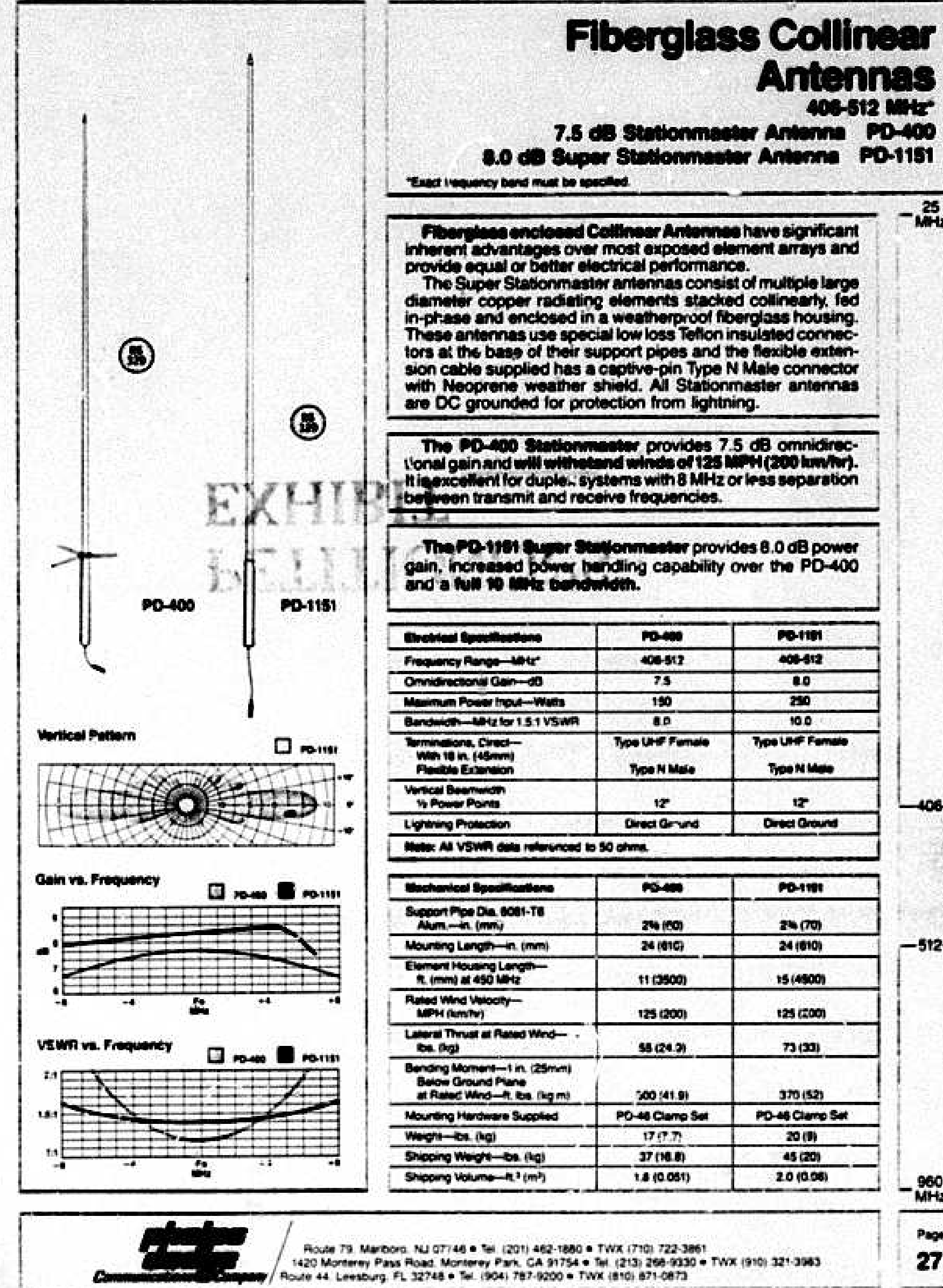
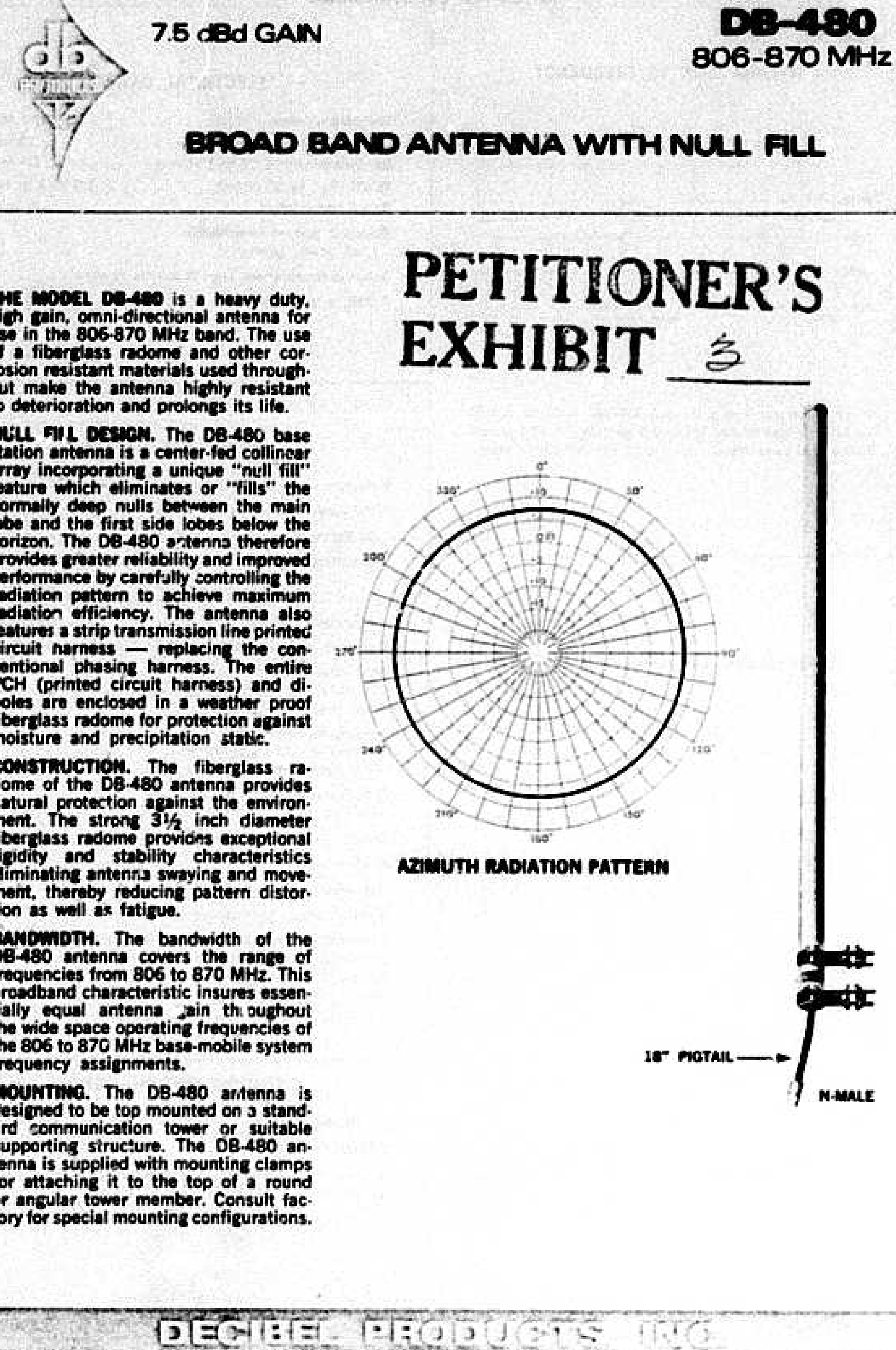
Petition for Special Exception for wireless transmitting and receiving structures and accessory equipment building

All that parcel of land in the Ninth District of Baltimore County

Being the property of Ridgely Condominium Association, Inc., as shown on plat plan filed with the Zoning Department.

Hearing Date: Tuesday, June 22, 1982 at 10:15 A.M.  
Public Hearing: Room 106, County Office Building, 111 W. Chesapeake Avenue, Towson, Maryland

BY ORDER OF  
WILLIAM E. HAMMOND  
ZONING COMMISSIONER  
OF BALTIMORE COUNTY





RESIDENTIAL & COMMERCIAL DEVELOPMENT DESIGN • LAND SURVEYING  
LAND PLANNING • SUBDIVISION LAYOUT • FEASIBILITY STUDIES • ESTIMATING  
GRADING STUDIES • LOCATION SURVEYS • TECHNICAL CONSULTATION

**MOTOROLA**

# Trunked **SYNTRON XX** FM Two-Way Radio

806-870 MHz

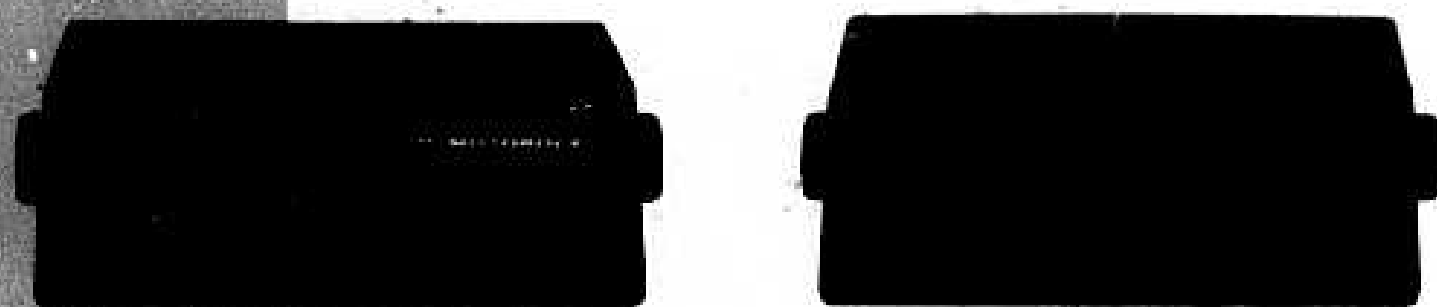
35 Watts

**PETITIONER'S  
EXHIBIT**



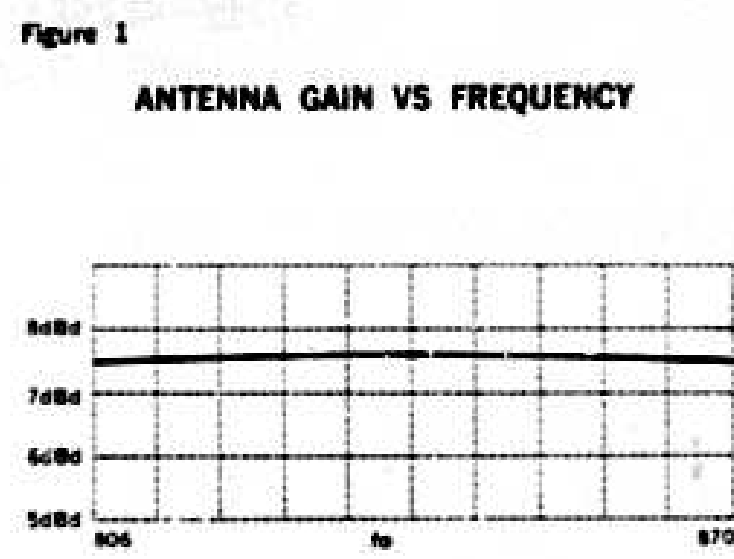
# Trunked SYNTOR X FM Two-Way Radio

| Feature                         | Description                                                                                                                                                               | Benefits                                                                                                                                                                                                                                                          |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trunked System Operation</b> | The Trunked Syntor X radio contains all the logic circuitry required to integrate this high performance mobile into a fully automatic trunked channel sharing system.     | Motrola's Trunked Systems result in simplified mobile operation by the elimination of frequency selection, squelch controls, and monitoring requirements. They provide privacy from other system users, and up to 20 channel operation.                           |
| <b>20 Channel Operation</b>     | The Trunked Syntor X radio comes fully equipped for up to 20 channel operation.                                                                                           | 20 channels expand communication capabilities by providing more channels to handle call requests.                                                                                                                                                                 |
| <b>Fast-Look Synthesizer</b>    | Specific RF frequencies are created electronically rather than by individual crystals or channel elements. The synthesizer spans the entire 800 MHz spectrum.             | No channel elements are required. Synthesizer operation eliminates the need to return a radio for servicing to implement additional channels when the system grows in its number of frequencies. The radio will respond automatically to system frequency growth. |
| <b>Transmitter Performance</b>  | The Trunked Syntor X radio transmitter features less than 2% audio distortion and spurs and harmonics at -85 dB.                                                          | Transmission is sharp and clear with a minimum of transmitter generated interference.                                                                                                                                                                             |
| <b>Receiver Performance</b>     | The Trunked Syntor X radio features -80 dB intermodulation rejection, -80 dB selectivity at the first adjacent channel and a built-in preamp providing 25 µV (EIA SINAD). | Provides a clear signal in high RF density areas. Adjacent channel interference is minimized. Receives even extremely weak transmissions for improved distance coverage.                                                                                          |
| <b>Temperature</b>              | The Trunked Syntor X radio's operating temperature is -40°C to +70°C.                                                                                                     | Performs to specifications over severe temperature extremes.                                                                                                                                                                                                      |
| <b>All Solid State</b>          | Transmitter, receiver, synthesizer and microprocessor control system are 100% solid state.                                                                                | The Syntor X radio provides full rated transmit and receive power at turn-on. Cooler operation allows longer component life, reducing maintenance in all systems.                                                                                                 |



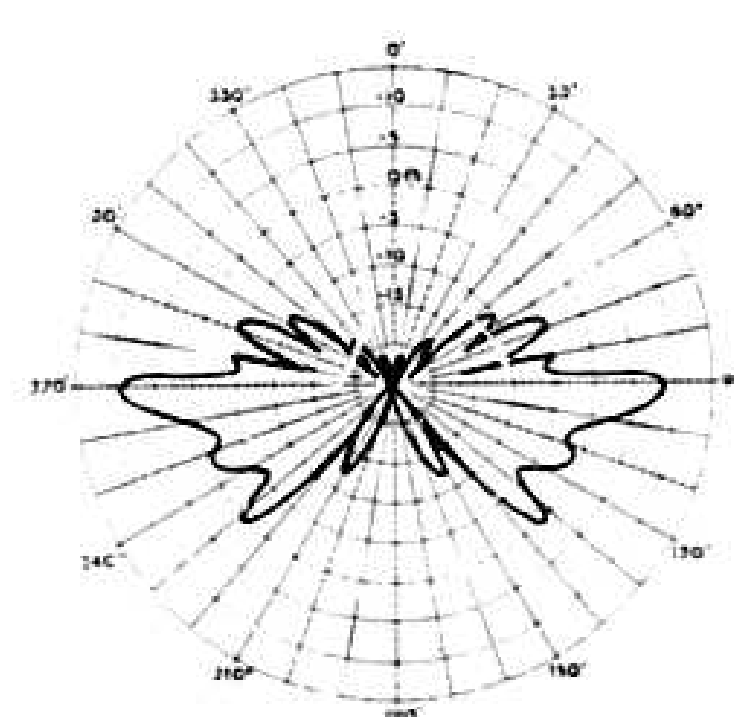
| Feature                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Benefits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmentally Protected</b> | The Trunked Syntor X radio unit meets MIL Spec 810C for shock, vibration, rain, salt and dust atmospheres. The Syntor X radio features a heavy duty one-piece cast all aluminum housing and cover, and solid steel mounting tray.                                                                                                                                                                                                                                                                                                                                                                                                                                                    | The radio unit can be used in areas exposed to adverse weather conditions without requiring weatherproof boxes or covers. Even out of its mounting tray, the Trunked Syntor X radio is weather-proof and exceeds EIA specifications used as an industry standard today.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Meets MIL Spec 810C</b>       | <b>MIL 810C (MARCH, 1975)</b><br><b>Rain</b> (Method 506.1, Procedure I, rain chamber with wind source). Simulates 2.5 inches per hour of rain with a horizontal wind velocity of 40 mph for a total test time of two hours.<br><b>Dust</b> (Method 510.1, Procedure I, dust/fine sand). Checks for ability of equipment to withstand effects of wind-driven dust. The dust, a fine grained silica flour, is wind-driven at varying velocities, temperatures and relative humidities, for a total test time of 28 hours.<br><b>Salt Atmosphere</b> (Method 509.1, Procedure I, salt fog test). Determines durability of coatings and finishes exposed to corrosive salt atmospheres. | Test consists of exposure of the equipment to a salt fog atmosphere under controlled temperature and humidity conditions for a period of 48 hours.<br><b>Shock</b> (Methods 516.2, Procedure II, Crash Safety; half sine wave curve). Assures, if mounted correctly, that tested product will survive the severe shock load impact of crash environments. This test was done for all six planes and takes into consideration all basic mounting possibilities.<br><b>Vibration</b> (Method 514.2, Procedure VIII, Tracked Vehicle, Curve W). A nine hour vibration test designed for tracked vehicles, with measurements in all three axes. |
| <b>Code Plug Flexibility</b>     | The Trunked feet and subfeet assignments are contained in a code plug located in the control head.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | This makes it possible to reassign a mobile for operation in a different fleet or subfleet by simple replacement of the code plug. No additional tuning or adjustment is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Busy Light</b>                | A Busy Light gives visual indication that no voice channels are presently available. This light is located on the control head.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Activation of this light alerts the mobile operator that his call request has been placed in an inclined waiting line (queue), and he will automatically be "called back" once a channel becomes available.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Time-Out Timer</b>            | Automatically shuts off the transmitter after a predetermined amount of time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Prevents lock-up of a repeater, or tie-up of a channel by prolonged keying of the transmitter after the transmission has exceeded a preset time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Simplified Maintenance</b>    | The Trunked Syntor X radio's servicing is accomplished with an internally located (in the radio) microprocessor program and a Micro test set. Access to the radio is easy. A simple key turn permits radio removal from the mounting tray, and the top cover is removed with the push of a button.                                                                                                                                                                                                                                                                                                                                                                                   | Standard Motorola test equipment is compatible with the Trunked Syntor X radio. Easy access and fixed tuned operation simplify preventive maintenance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Feature                                 | Description                                                                                                                                                                                                                                              | Benefits                                                                                                                                                                                                           |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compact Design</b>                   | The Trunked Syntor X radio occupies only 460 cubic inches (7528 cubic centimeters) and weighs just 22.5 pounds (10.2 kg).                                                                                                                                | The Trunked mobile is less than 1/2 the size of the Trunked Micro mobile. This size reduction will facilitate easier mounting and installation. Front mounting is simplified with a 10' cable option.              |
| <b>Radio Inter-Changeability</b>        | All programmable trunking customer information is contained in the control head. The radio package can be easily changed out with a new radio. It will automatically assume the former radio control head's programming characteristics and frequencies. | Simplifies field servicing and makes the stocking of spare radios for change-out of malfunctioning units very practical. Reduces system down time.                                                                 |
| <b>Contemporary Design</b>              | The control head is of high impact plastic construction. It features illustration of subfeet button selection and backlighting for the remainder of control head lettering.                                                                              | Control head is attractively designed. It is tough, durable, and easy to read.                                                                                                                                     |
| <b>Negative/Positive Ground</b>         | The Trunked Syntor X radio has a floating ground.                                                                                                                                                                                                        | The radio will operate from either a positive or negative ground without requiring a converter. The appropriate polarity cable is required.                                                                        |
| <b>OPTIONS</b>                          |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                    |
| <b>Subfeet Select</b>                   | Provides a 5, 8 or 15 pushbuttons mounted on the control head for access to different subfeet and/or access to different subfeet. This subfeet button allows the user to communicate with the assurance that all fleet members will receive the message. | Allows the user to assign the fleet for private, selective communications to different subfeet. Fleetwide call enables the user to communicate with the assurance that all fleet members will receive the message. |
| <b>Volume Set</b>                       | Since the mobile remains silent unless there is voice activity within its assigned fleet or subfeet, a volume set is available. This emits an audible tone by which an operator may set his desired audio level.                                         | Allows for the setting of volume levels in the absence of a voice activity.                                                                                                                                        |
| <b>Multiple Code Plug Select</b>        | Provides five pushbuttons mounted on the control head, for the selection of up to five different code plugs.                                                                                                                                             | Allows the user to access predetermined fleets or systems with the push of a button. This option is especially useful for providing coverage from multiple system sites.                                           |
| <b>"Quick Call" Selective Signaling</b> | Provides a button on the control head enabling the mobile operator to receive "Quick Call" selective signals. Alerting can be an audible tone and light on the control head or vehicle horn and lights.                                                  | Allows the dispatcher to contact mobile operators even when the vehicle is unoccupied. "Quick Call" can greatly improve communications efficiency.                                                                 |



Curve illustrates the gain of a DB-480 Antenna across its 64 MHz bandwidth. Maximum gain of 7.5 dBd occurs at the mid-band frequency; (16) of the frequency range.

DB-480 ELEVATION RADIATION PATTERN



The pattern above illustrates a typical Elevation Plane radiation of DB-480 antenna when top mounted on supporting structure.

| ELECTRICAL DATA                                 |                  |
|-------------------------------------------------|------------------|
| Frequency range                                 | 805-870 MHz      |
| Gain (over half wave dipole)                    | 7.5 dBd          |
| Bandwidth (within 1.5 to 1 VSWR)                | 64 MHz           |
| VSWR (Ref. to 50 ohms)                          | 1.5 to 1 or less |
| Rated power input                               | 500 watts        |
| Elevation pattern beamwidth (half power points) | 10°              |
| Antenna termination: Type N female at base      |                  |
| Pigtail termination: Type N male                |                  |

## MECHANICAL DATA

| Materials:                                                      |                                                                   |
|-----------------------------------------------------------------|-------------------------------------------------------------------|
| Radiating assembly                                              | Fiberglass                                                        |
| Radiating assembly                                              | copper                                                            |
| Mounting support                                                | Two steel collars separated 6 1/2" for attaching mounting clamps. |
| Mounting clamps                                                 | Zinc/Chromated                                                    |
| Maximum exposed area (Flat Plate Equivalent)                    | 1.5 sq. ft.                                                       |
| Wind rating                                                     |                                                                   |
| Survival (w/o ice)                                              | 150 mph                                                           |
| Survival (1/2" radial ice)                                      | 135 mph                                                           |
| Bending moment at top clamp at 100 mph (40 psf flat equivalent) | 211 ft. lbs.                                                      |
| Lateral thrust at 100 mph (40 psf flat equivalent)              | 63 lbs.                                                           |
| Length (805-870 MHz)                                            | 96 1/2"                                                           |
| Radiome diameter                                                | 3 1/2"                                                            |
| Net weight (w/clamps)                                           | 16 lbs.                                                           |
| Shipping weight (w/clamps)                                      | 30 lbs.                                                           |

## ORDERING INFORMATION

| Model          | Frequency   |
|----------------|-------------|
| DB-480 Antenna | 805-870 MHz |

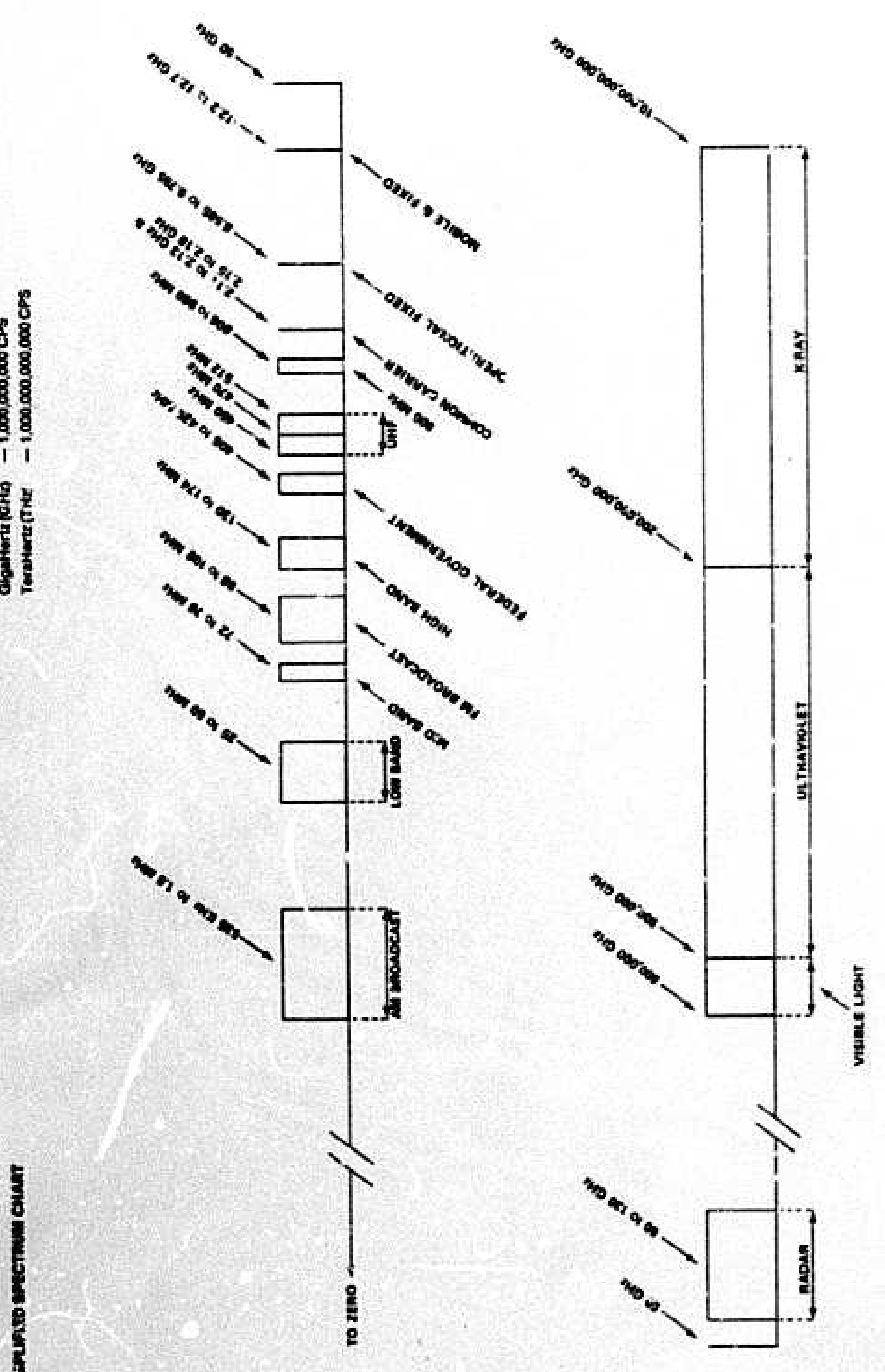
For Special Mounting or for special pattern configurations contact factory for details.

SP122 11-77  
PRINTED IN U.S.A.

## SUPPLEMENTARY INFORMATION

STANDARD FREQUENCY NOTATION  
MHz (Hz) — 1 MHz are second CFS  
KHz (KHz) — 1,000 CFS  
MHz (MHz) — 1,000,000 CFS  
GigaHertz (GHz) — 1,000,000,000 CFS  
Terahertz (THz) — 1,000,000,000,000 CFS

## PETITIONER'S EXHIBIT



## MX 320-360 Series HANDIE-TALKIE Radio

### Performance Specifications

| Model Series: | H23, H33 & H43AAU                                                                                        | H24, H34 & H44AAU       |
|---------------|----------------------------------------------------------------------------------------------------------|-------------------------|
| Frequency:    | 136-174 MHz                                                                                              | 403-430 and 440-512 MHz |
| Power Supply: | One rechargeable nickel-cadmium battery (H44 Series) or one primary battery (H23 & H33, H24 & H34 only). |                         |
| Size:         | 2.84" wide x 1.41" deep (see chart below) high 172 mm x 36 mm x 114 mm                                   |                         |

| Dimensions:                         | MX 320 Housing | MX 330 Housing | MX 340 Housing | MX 350 Housing | MX 360 Housing |
|-------------------------------------|----------------|----------------|----------------|----------------|----------------|
| Radio Only (Height):                | 4.20 (107mm)   | 4.59 (117mm)   | 4.98 (127mm)   | 5.76 (146mm)   | 6.35 (163mm)   |
| Radio with Battery (Height):        |                |                |                |                |                |
| Light Capacity (1.47" (37mm))       | 5.67 (144mm)   | 6.06 (154mm)   | 6.45 (164mm)   | 7.23 (183mm)   | 7.82 (199mm)   |
| Medium Capacity (1.84" (47mm))      | 6.04 (154mm)   | 6.43 (164mm)   | 6.82 (174mm)   | 7.60 (193mm)   | 8.19 (208mm)   |
| High Capacity (2.56" (65mm))        | 7.76 (197mm)   | 8.15 (207mm)   | 8.54 (217mm)   | 9.32 (236mm)   | 9.91 (251mm)   |
| Ultra-High Capacity (4.42" (113mm)) | 8.45 (215mm)   | 8.84 (225mm)   | 9.23 (235mm)   | 10.01 (255mm)  | 10.60 (270mm)  |
| Primary Battery:                    |                |                |                |                |                |
| Mercury (3.41" (87mm))              | 7.51 (194mm)   | 8.00 (204mm)   | 8.39 (214mm)   | 9.17 (233mm)   | 9.76 (248mm)   |

| Weight:                                  | Radio Only | VHF            | UHF            | Batteries Only                     |
|------------------------------------------|------------|----------------|----------------|------------------------------------|
| A CIR1, Carrier Squelch, 1 Watt Radio:   |            |                |                |                                    |
| ADD FOR MEDIUM POWER:                    |            | 14.0 oz (396g) | 13.5 oz (382g) | Primary                            |
| ADD FOR HIGH POWER:                      |            | 5.0 oz (142g)  | 5.0 oz (142g)  | Light Capacity 4.9 oz (139g)       |
| ADD FOR PRIVATE LINE:                    |            | 5.0 oz (142g)  | 5.0 oz (142g)  | Medium Capacity 7.8 oz (220g)      |
| ADD FOR DIGITAL PRIVATE LINE:            |            | 5.0 oz (142g)  | 5.0 oz (142g)  | High Capacity 13.1 oz (371g)       |
| ADD FOR EACH ADDITIONAL CHANNEL ELEMENT: |            | 0.25 oz (7g)   | 0.25 oz (7g)   | 2 Hour Rapid Charge Batteries      |
| ADD WEIGHTS TO BASIC RADIO WEIGHT:       |            |                |                | Ultra-High Capacity 20.8 oz (590g) |

THESE WEIGHTS & DIMENSIONS ARE SUBJECT TO VARIATION DEPENDING ON HOUSING SIZE AND MODEL CONFIGURATION

| TRANSMITTER                                                     | VHF        | UHF                               | RECEIVER                                          | VHF                 | UHF      |
|-----------------------------------------------------------------|------------|-----------------------------------|---------------------------------------------------|---------------------|----------|
| RF Power Output: Nickel-Cadmium Battery                         | 1/2 2.5/5W | 1/2 0.5/5W                        | Channel Spacing:                                  | 30 KHz (25 KHz min) | 25 KHz   |
| Frequency Stability: (-30°C to +60°C; +25°C Ref.)               | ±0.005%    | ±0.005%                           | Modulation Acceptance:                            | ±7.5 KHz            | ±7.5 KHz |
| Modulation:                                                     | 16/3       | 16/3                              | Sensitivity:                                      | 50V                 | 250V     |
| FM Noise:                                                       | -60 dB     | -60 dB                            | 20 dB SINAD:                                      | 35uV                | 15uV     |
| Audio Response: (6 dB/octave pre-emphasis from 300 to 3000 Hz): | +1, -3 dB  | +1, -3 dB                         | Squelch/Paging:                                   | 95 dB               | 90 dB    |
| Audio Distortion: (at 1000 Hz, 3 kHz deviation):                | 3%         | 3%                                | Frequency Separation: (no degradation)            | 2 MHz               | 4 MHz    |
| Spurious & Harmonics:                                           |            |                                   | Intermodulation:                                  | 80 dB               | 75 dB    |
| 1 Watt:                                                         | -67 dB     | 1 Watt -67 dB                     | Frequency Stability: (-30°C to +60°C; +25°C Ref.) | ±0.005%             | ±0.005%  |
| 2.5 Watt:                                                       | -71 dB     | 2.5 Watt -71 dB                   | Spurious & Image Rejection:                       | 80 dB               | 80 dB    |
| 5 Watt:                                                         | -75 dB     | 5 Watt -75 dB                     | Audio Output:                                     | 500 mW              | 500 mW   |
| Frequency Separation: (no degradation):                         | 12 MHz     | Full subband split                | FCC Designation:                                  | RC0091              | RC0092   |
| FCC Designation: (150.8-174 MHz) CHANNELS                       | 2 4 6 8    | 2 4 6 8                           |                                                   |                     |          |
| 1 Watt: CC226 CC227 CC228 CC229                                 |            | 1 Watt: CC425 CC426 CC427 CC428   |                                                   |                     |          |
| 2.5 Watt: CC236 CC237 CC238 CC239                               |            | 2.5 Watt: CC435 CC436 CC437 CC438 |                                                   |                     |          |
| 5 Watt: CC246 CC247 CC248 CC249                                 |            | 5 Watt: CC445 CC446 CC447 CC448   |                                                   |                     |          |

**MOTOROLA**  
Communications and Electronics Inc.  
A Subsidiary of Motorola, Inc.  
1301 E. E. Agnew Rd., Schaumburg, Illinois 60196  
(312) 391-1000  
Specifications subject to change without notice.  
© 1982 Motorola, Inc. R3-4-71C (Replaces R3-4-71B)

## MOTOROLA MX320 - 360 Series HANDIE-TALKIE

**PETITIONER'S EXHIBIT**  
Two-Way FM Portable Radio  
6.0/2.5/2.0/1.0 Watts RF Power  
136 - 174 MHz  
5.0/2.0/1.0 Watts RF Power  
403 - 430 MHz, 440 - 512 MHz



- Plug-in hybrid modules and channel elements
- Up to 6 watts output in VHF
- Eight channel capability
- Five radio housing sizes
- Wide space transmit and receive
- Intrinsically safe
- Mobile performance in a portable size
- Weathersealed P-T-T switch
- Transmit light/battery status indicator
- Externally accessible fuse
- Speaker and antenna jacks
- Quick release batteries in 4 sizes
- Universal and CONVERTA-COM capability
- Wide range of options and accessories

The MX320-360 Series of HANDIE-TALKIE two-way FM portable radios are the most advanced portable radios available today. This series of radios has set new industry standards in engineering design, reflecting the latest achievements in micro-electronic technology. The MX320-360 Series meets both mobile and international specifications providing the user with top performance, proven design, and versatility.

### FEATURES • BENEFITS

**Plug-in Hybrid Modular Components**  
A minimum of 17 plug-in hybrid modules are used in these radios, representing over 90% of the electronics. Gold-plated contact pins and printed circuit board sockets, are keyed to prevent incorrect insertion of modules, and ensure reliable module connection. A multi-layer printed circuit board minimizes the need to cross circuits and eliminates crowding of conducting paths. A special flex circuit is also used to eliminate broken, frayed or tangled wires. • This latest module design, combined with the multi-layer printed circuit board and flex circuit, provides the ultimate in durability and fast, reliable maintenance.

## CERTIFICATE OF PUBLICATION

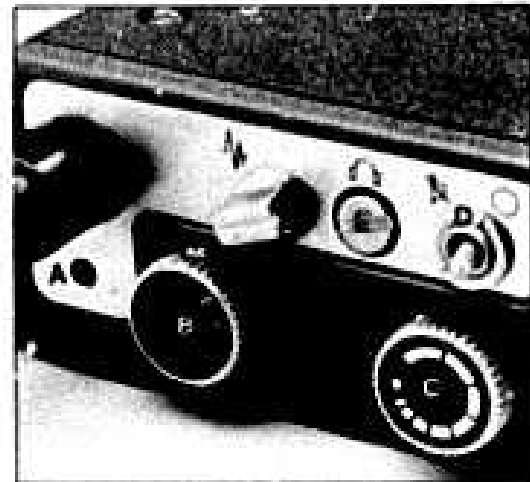
TOWSON, MD., June 2, 1982.  
THIS IS TO CERTIFY, that the annexed advertisement was published in THE JEFFERSONIAN, a weekly newspaper printed and published in Towson, Baltimore County, Md., on one time, before the 22nd day of June, 1982, the first publication appearing on the 1st day of June, 1982.

THE JEFFERSONIAN  
L. Frank Struthers  
Manager.

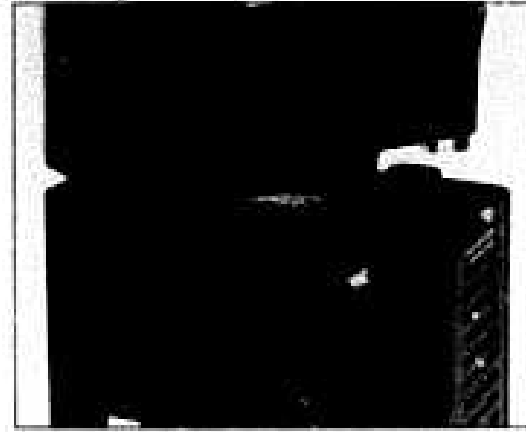
Cost of Advertisement, \$

Diagram illustrating the internal components of the Model 1000 portable speech synthesizer, including:

- Speaker
- Magnetic Cartridge Microphone
- Plug-in Hybrid Modules
- Battery Contacts (Gold Plated)
- Externally Accessible Fuse



- A** LED Battery Status Indicator
- B** Frequency Selector
- C** On/Off Volume Control
- D** PRIVATE-LINE Disable Switch
- E** Speaker/Headphone Jack



### Quick Release Battery

A choice of 4 battery capacities, with 2 charging times, 1 hour/12 hours for Ultra-High Capacity or 14 hours, dependent on the charger used, are available to fit any application. A two-point locking assembly securely attaches the battery to the radio housing. Removal of the battery is accomplished by depressing the lock mechanism on the side of the radio and twisting the battery one-quarter turn. This unique design eliminates the need for special tools or coins for removing the battery and provides easy battery replacement.



## Audio Accessories

- Remote Speaker/Microphone
- Coi Cord
- Straight Cord
- Remote Speaker/Microphone
- Antenna (UHF-Only)
- Noise Cancelling Headset Microphone
- Safety Helmet Headset
- Earpiece W/O Volume Control
- Earpiece Headset Microphone

## VHF and UHF Power Amplifiers

Vetecular Power Amplifiers can be used with a CONVERT-A-COM Console to increase the power output. • This power amp enables any VHF (136-174 MHz) or UHF (403-512 MHz) Model M3320-360 Series portable to be fully utilized as a mobile unit.

### Other Options and Accessories

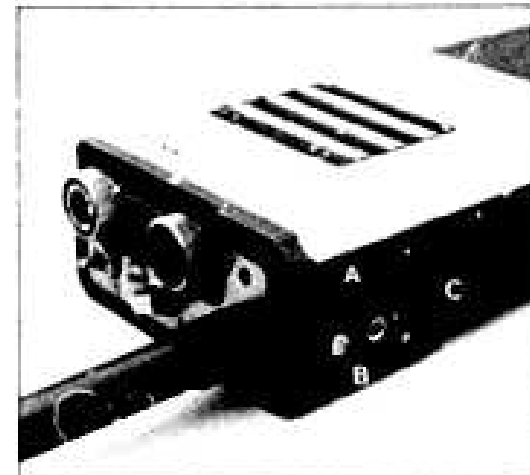
(See Portable Annotations [atakg]  
#F0) (04 08C)

## Options

- Unit Identification
- Unit ID and Emergency
- Time Out Timer (30 seconds)
- Selective Call
- Secure Grip Talk Controls
- Pre-Amplifier (High-Band Only)
- Shadow Bronze Front Cover

### Carry Holders and Leather Cases

A unique design, the MK orthocollar is a shipped standard with all package model radios. This small, lightweight plastic holder fastens to any belt loop to 2 1/2 inches wide and securely holds the radio in place. Yet allows easy removal of the unit. A variety of adjustment features are available. For different needs, 5/16" tall belt loop bases provide maximum protection yet permit a radio to be heard clearly. 1-strap covers permit easy access to controls. Swivel bases allow the radio to be rotated 180° without leaving the base. The radio moves freely on the belt loop attachment, adjusting to body movements, walking or sitting.



- A** Accessory Connector (Gold Plated)
- B** External Antenna Jack
- C** Push-to-Talk Switch

### Intrinsically Safe Approval

All standard MX300 Series radios are Factory Mutual approved for hazardous atmospheres, permitting portable radio usage in many gaseous and dust-laden environments. The categories included in the approvals are Class I, Division I, Group C (medium capacity battery only); and Group D, and Class II, Division 1, Groups E, F and G (brochure #RO-04-40).

### Controls and Accessory Connectors

As shown in the adjacent photograph, the controls are conveniently plug-mounted, in addition to the earpiece jack and a LED battery status indicator. The dual function light-emitting diode (LED) activates during transmission and allows the user to monitor the battery condition. The push-to-talk switch, accessory connector and external antenna jack are located on the side of the radio. The accessory connector accepts remote speaker/microphones and other accessories with a simple plug-in procedure.

### Housing Size and RF Power Level

MX300 Series Radios are available in any of five different housing sizes. • These housings are designed to accommodate many different multi-frequency capability (up to 8 channels), and various power levels to meet every system need. There are four power levels in VHF: 1, 2 (standard option H565), 2.5, or 6 watts and three power levels in UHF: 1, 2 or 5 watts, providing the largest selection and highest RF power levels available in a portable radio today.

### Wide Space Transmit and Receive

As a standard feature, the unique design of the X320-360 Series radio allows transmitter frequency separation of 12MHz on

### Coded Squelch Systems

Users now have the choice of utilizing DIGITAL PRIVATE LINE (DPL) or PRIVATE LINE (PL) coded squelch systems. DPL offers 80 new, unique codes to insure the effectiveness of your system for years to come. • Coded squelch systems reduce fatigue in addition to eliminating "squelch" buff annoyance.

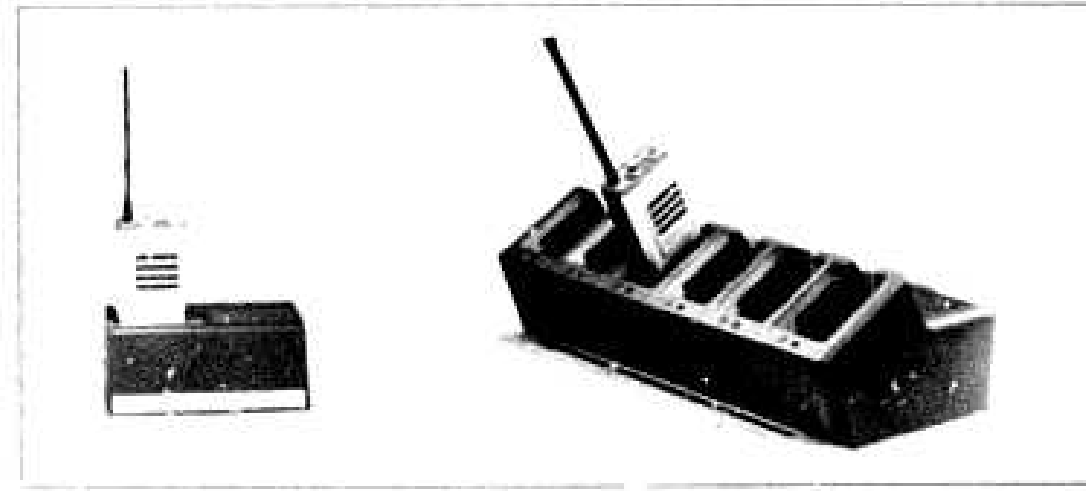
## Battery Chargers

Single-unit and multiple-unit, 6-compact, intermittent chargers are available in one and 24 1- or 2-charge rates. • These units will charge either the complete radio or the battery alone. Indicator lights are provided on each unit to inform the user of battery status.

## OPTIONS AND ACCESSORIES • BENEFITS

CONVERTA.COM

**Mobile Radio Console**  
The CONCERTA COM Console converts the dependable, high performance M1100



BALTIMORE COUNTY, MARYLAND  
 OFFICE OF FINANCE - REVENUE DIVISION  
 MISCELLANEOUS CASH RECEIPT

No. 108901

|        |         |         |        |
|--------|---------|---------|--------|
| DATE   | 7/6/82  | ACCOUNT | 01-662 |
| AMOUNT | \$69.12 |         |        |

RECEIVED Motorola, Inc.  
 FROM Advertising & Posting Case #82-279-X  
 FOR

6 041\*\*\*\*\*89218 8068A

VALIDATION OR SIGNATURE OF CARRIER

1

BALTIMORE COUNTY, MARYLAND  
OFFICE OF FINANCE - REVENUE DIVISION  
MISCELLANEOUS CASH RECEIPT

No. 106858

DATE 4/17/84 ACCOUNT 21-662

AMOUNT \$0.00

RECEIVED FROM *James M. H.*  
FOR *Ex. Fee to Baltimore* 214  
*1246.00 Ass'n.*

096\*\*\*\*\*5000:0 3162A

VALIDATION OF RECEIPT



E. JOPPA ROAD  
(70' WIDE)  
S 84° 29' 28" E

B.M.-CT

← VIRGINIA AVE 200' ±

N 71° 07' W 27.00'

S 6° 54' 11" E 273.30'

N 81° 27' 00" E

122.84'

S 75° 11' 38" E

164.10'

S 81° 27' 00" W 7.78'

B.M.-CT

60.4' ±

68.1' ±

255.27'

S 15° 48' 00" W

B.M.-CT

B.M.-CT

N 82° 33' 00" W

260.68'

B.M.-CT

PROPOSED WHIP ANTENNAS

COMMUNITY ROOM  
ROOF  
COMMUNITY ROOM  
PENTHOUSE 28TH  
STYLL FLOOR  
20TH  
25TH

ELEV. 759.50'

ELEV. 737.50'

257.4'

5TH FLOOR  
4TH  
3RD  
2ND  
1ST

ELEV. 479.15'

(NOT TO SCALE)

COMMUNITY ROOM ROOF  
RIDGLY CONDOMINIUMS

PROPOSED TRANSMITTER  
STRUCTURE  
WITH 10 WHIP  
ANTENNAS

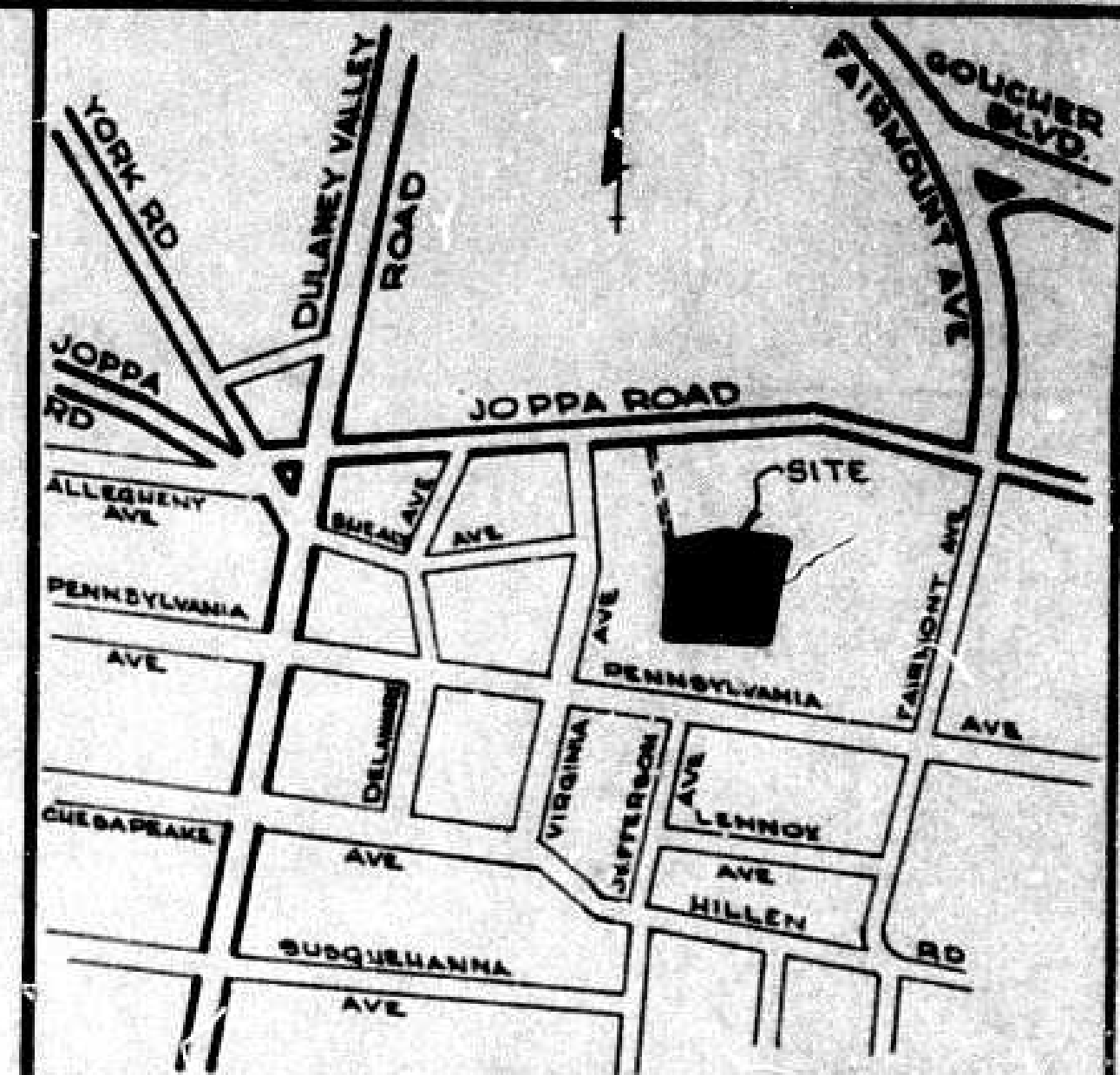
SANITARY VENT  
AIR VENT (TYP)  
N 82° 33' 00" W  
30.00'  
AREA 600 SQ FT  
10.015 Acs  
ROOF  
NO DRAIN  
S 82° 33' 00" E  
30.00'  
S 82° 33' 00" E  
30.00'  
S 82° 33' 00" E  
30.00'

WHIP ANTENNA (TYP)

CONCRETE BASE (TYP)

TUBULAR STEEL SUPPORT

TRANSMITTER STRUCTURE DETAIL  
SCALE 1" = 10'



VICINITY MAP  
SCALE 1" = 500'

### GENERAL NOTES

1. EXISTING ZONING - B.M.-CT
2. PROPOSED ZONING - B.M.-CT WITH A SPECIAL EXCEPTION TO ALLOW A WIRELESS TRANSMITTER STRUCTURE IN A B.M.-CT ZONE.
3. TOTAL AREA = 1.82 Acs ±
4. GUY WIRES FOR EXISTING ANTENNAS TO BE RELOCATED AT TIME OF CONSTRUCTION OF TRANSMITTER STRUCTURE IF NECESSARY.



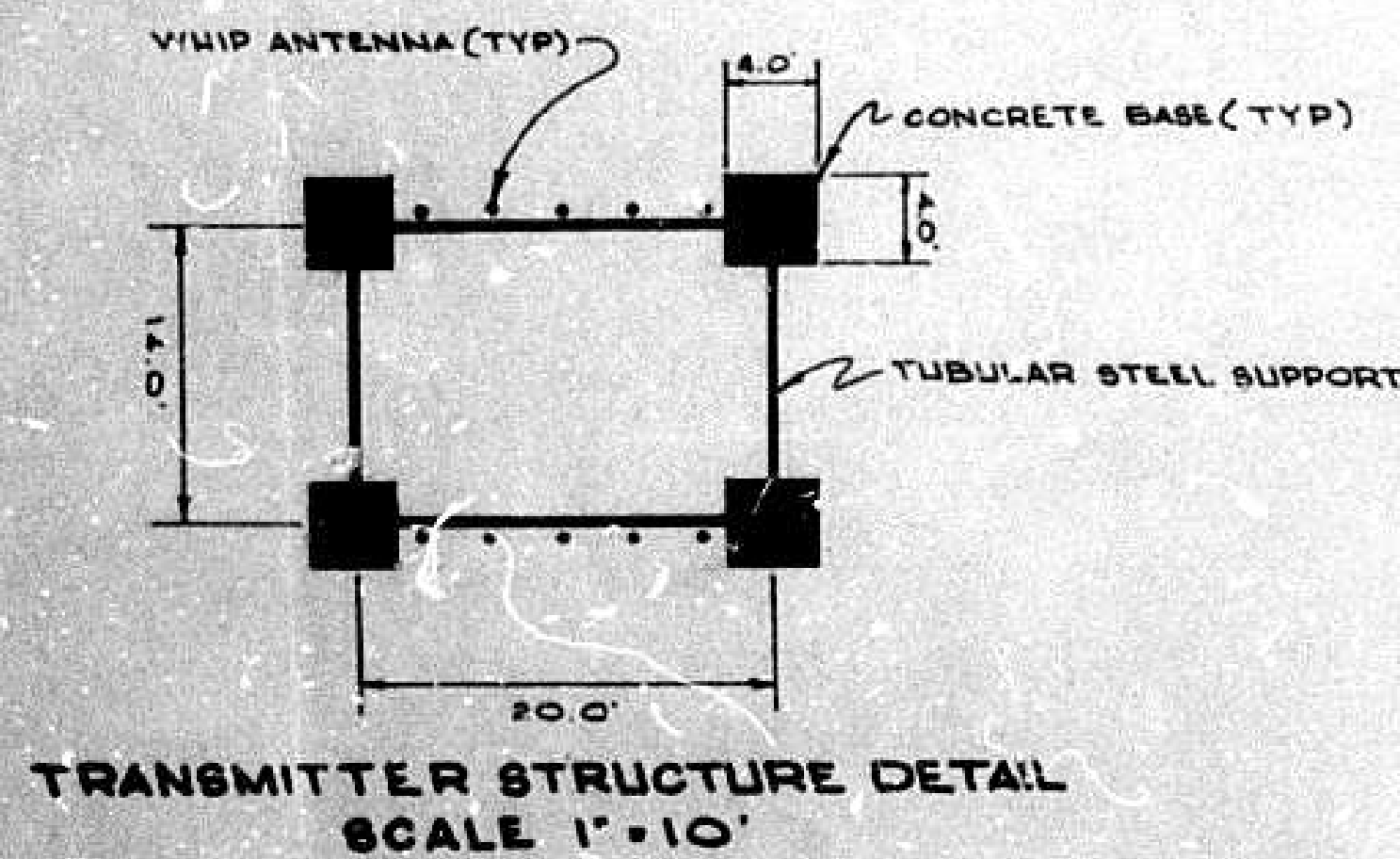
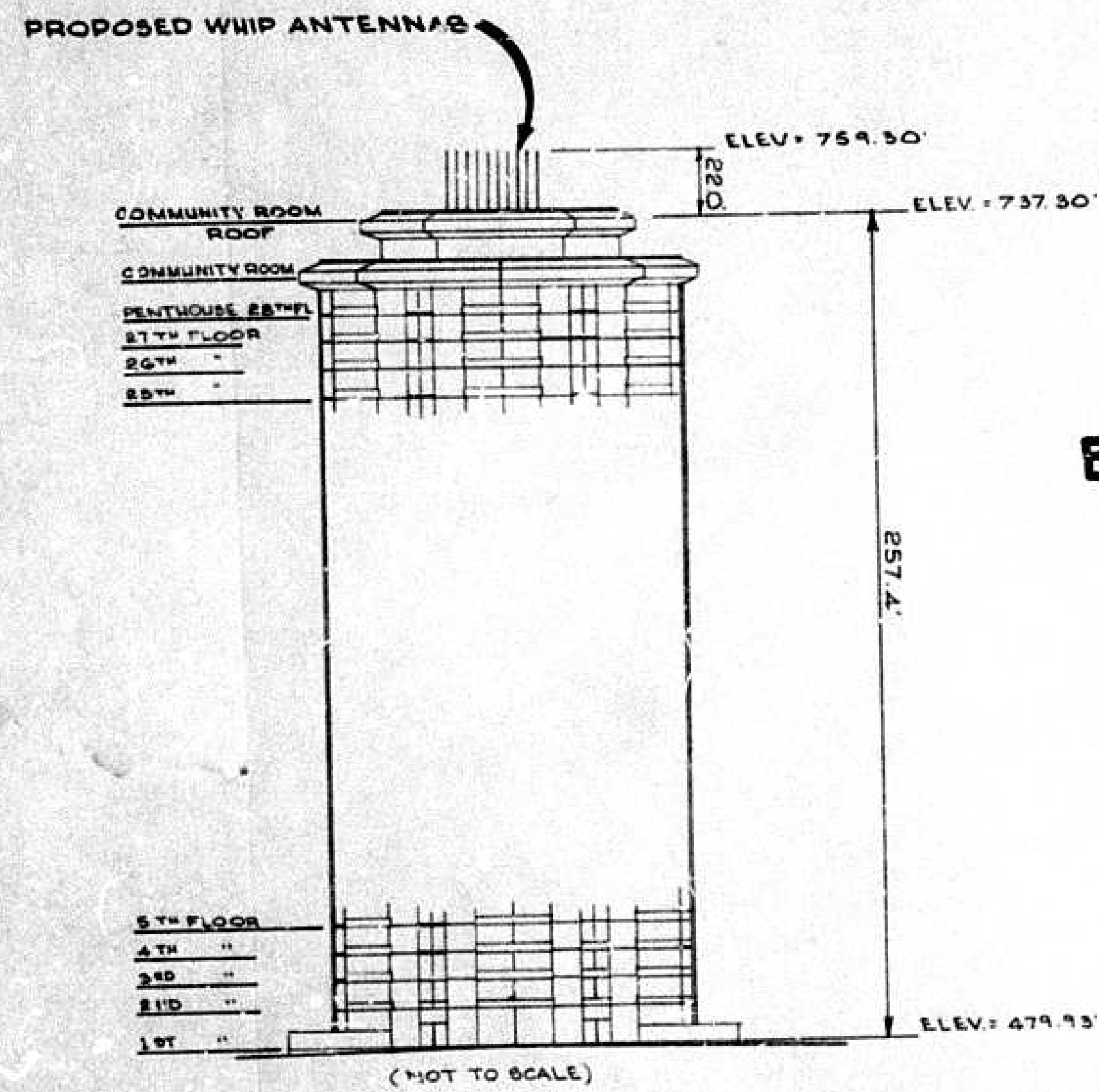
| REVISIONS |      |             |
|-----------|------|-------------|
| NO.       | DATE | DESCRIPTION |
|           |      |             |
|           |      |             |
|           |      |             |

**SPELLMAN, LARSON & ASSOCIATES, INC.**  
CIVIL ENGINEERS AND LAND SURVEYORS  
SUITE 107, JEFFERSON BLDG., TOWSON, MD., 21204  
PHONE: 925-3535

PLAT FOR  
**SPECIAL EXCEPTION TO ZONING**  
FOR THE  
**RIDGLY CONDOMINIUMS**  
205 EAST JOPPA ROAD  
9TH ELECT. DIST. BALTO., MD.

Tom HUN

SCALE: 1" = 20' DES. BY: DRN. BY: M.C.M. SHT. 1 OF 1  
DATE: 3-29-82



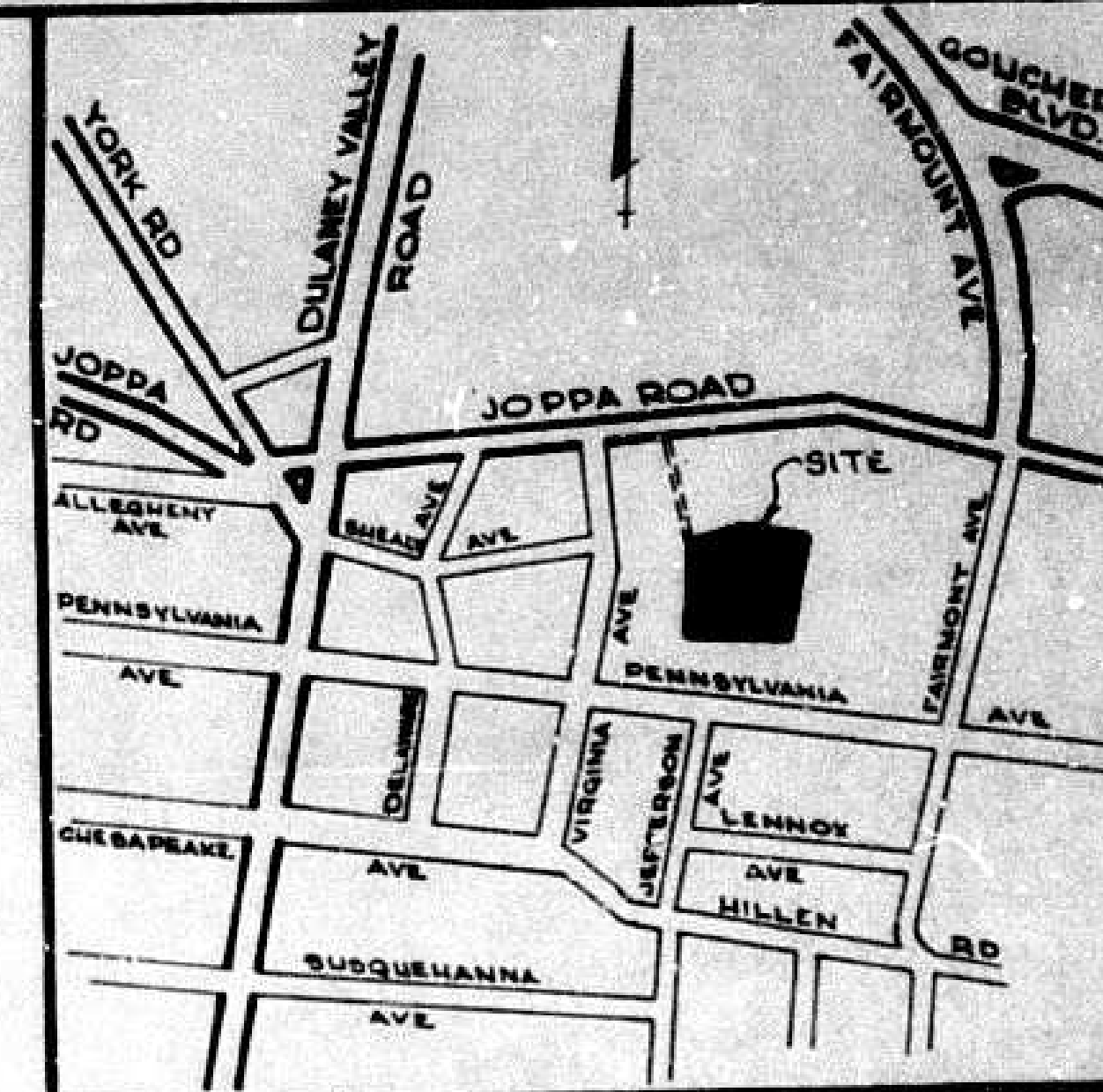
B.M.-CT

B.M.-CT

B.M.-CT

B.M.-CT

B.M.-CT



VICINITY MAP  
SCALE 1"=500'

### GENERAL NOTES

1. EXISTING ZONING - B.M.-CT
2. PROPOSED ZONING - B.M.-CT WITH A SPECIAL EXCEPTION TO ALLOW A WIRELESS TRANSMITTER STRUCTURE IN A B.M.-CT ZONE.
3. TOTAL AREA = 1.82 AC.
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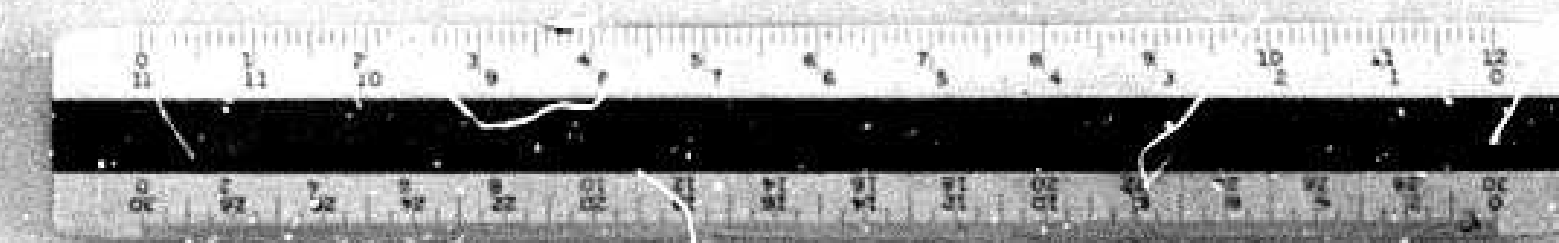
| REVISIONS |      |             |
|-----------|------|-------------|
| NO.       | DATE | DESCRIPTION |
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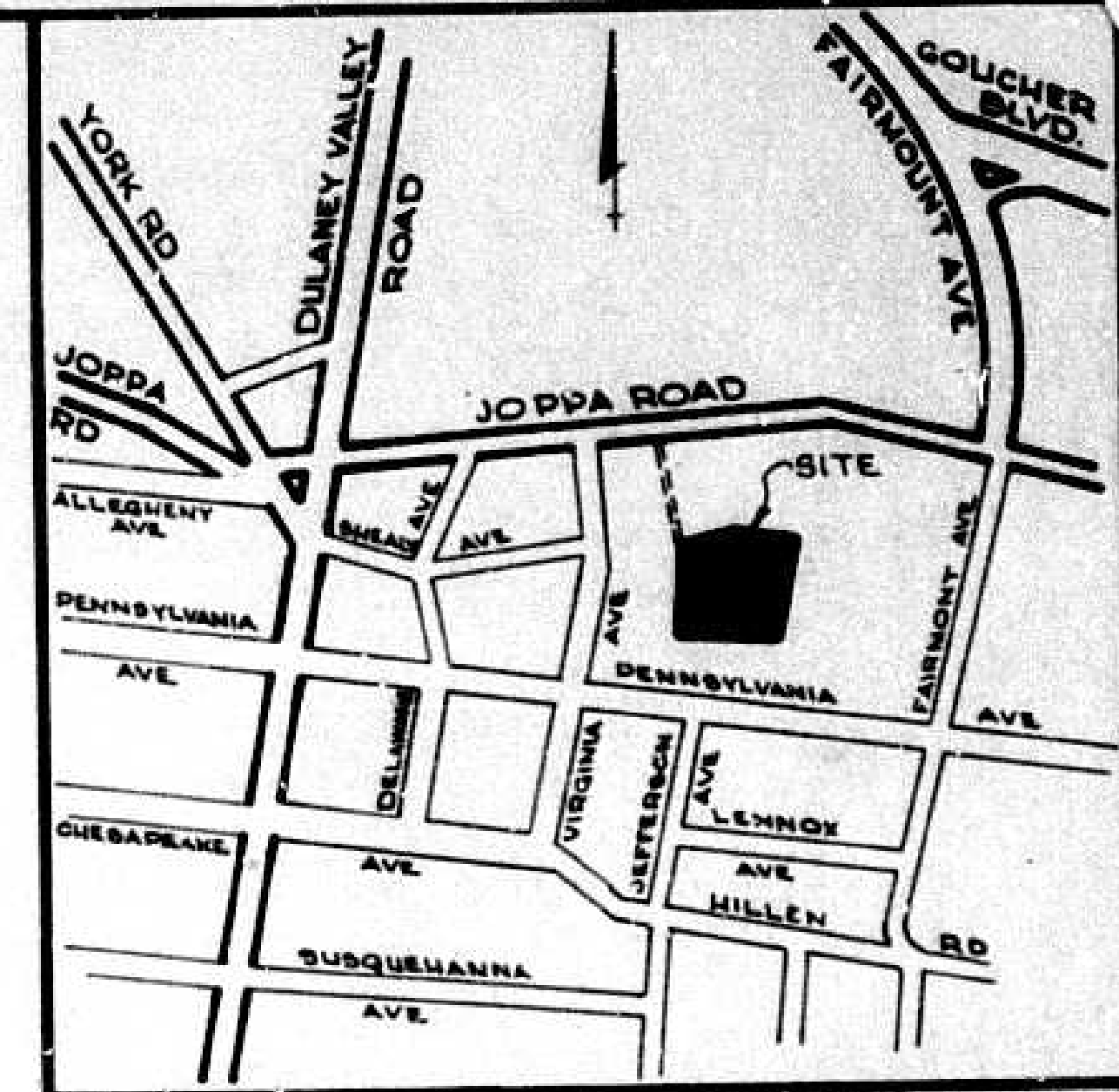
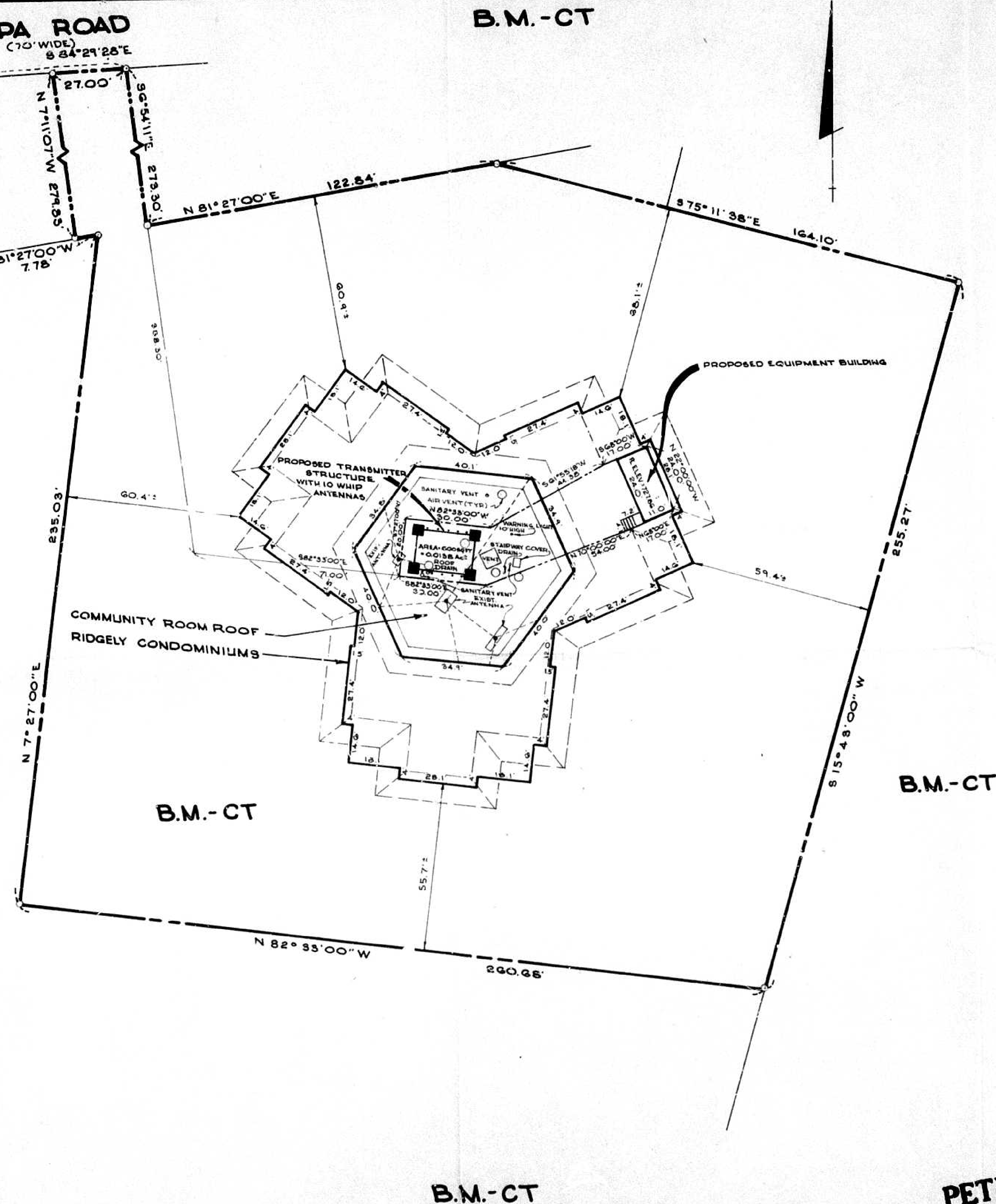
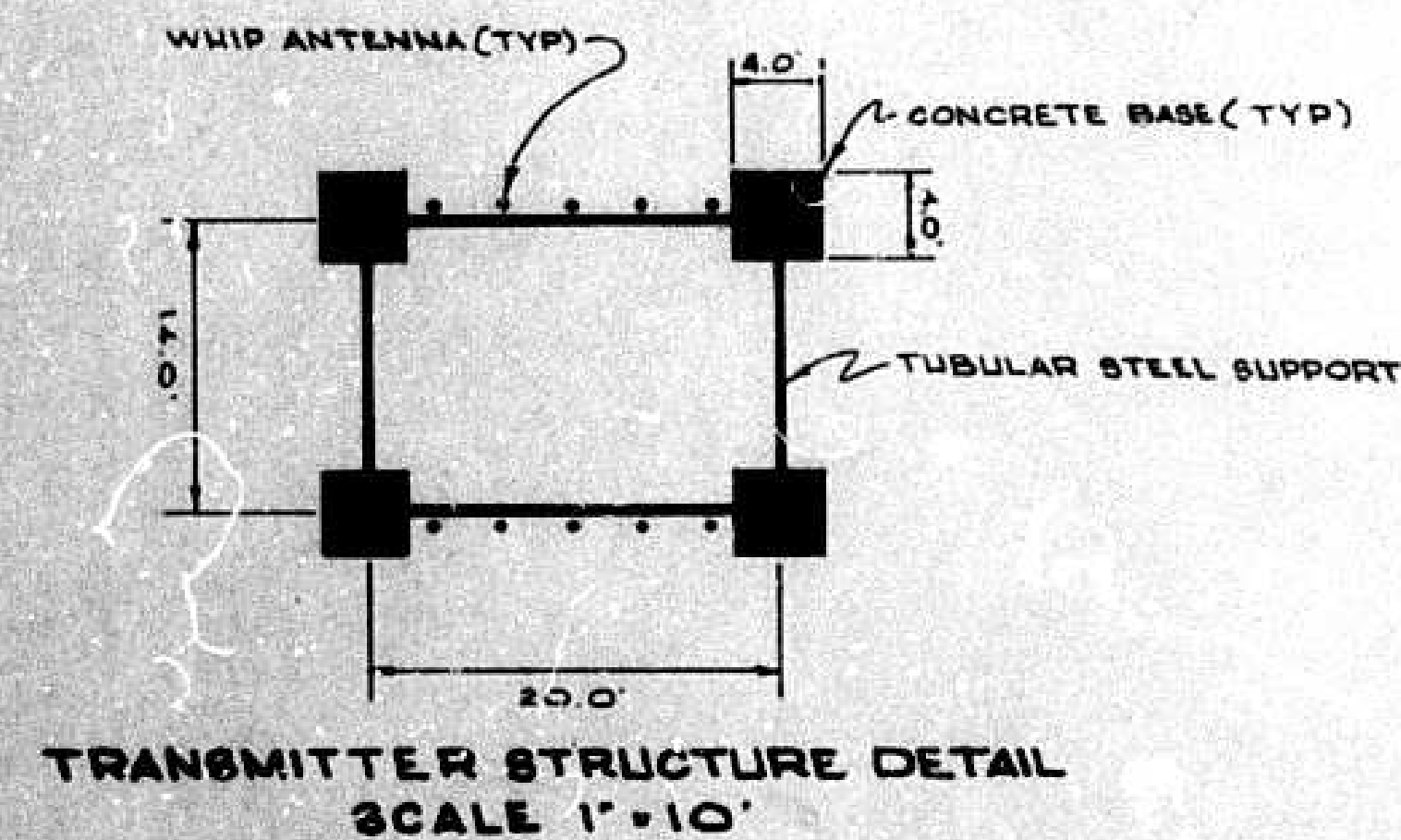
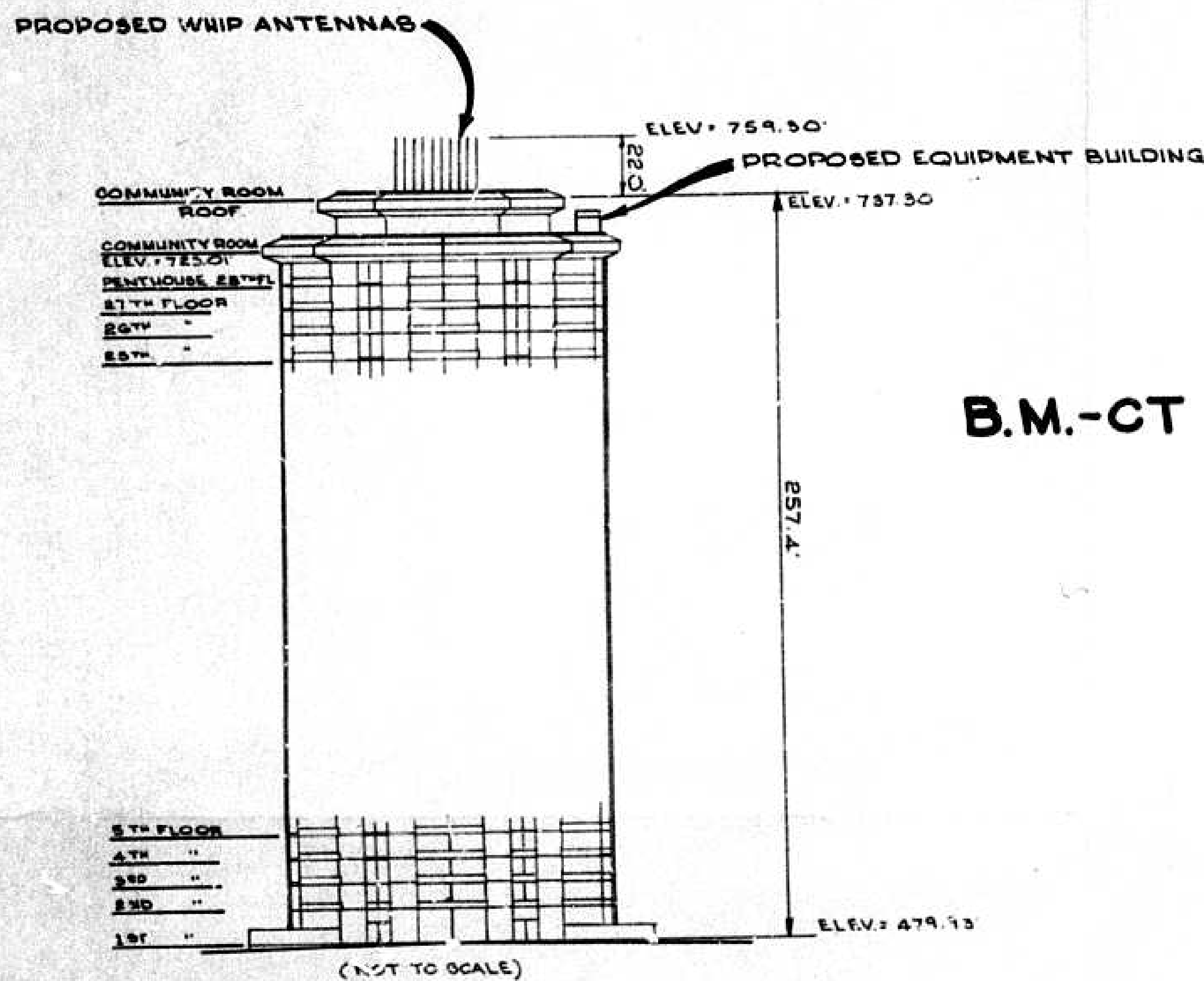
**SPELLMAN, LARSON & ASSOCIATES, INC.**  
CIVIL ENGINEERS AND LAND SURVEYORS  
SUITE 107, JEFFERSON BLDG., TOWSON, MD., 21204  
PHONE 823-3535

DIAT FOR  
SPECIAL EXCEPTION TO ZONING  
FOR THE  
RIDGLY CONDOMINIUMS  
205 EAST JOPPA ROAD  
9TH ELECT. DIST. BALTO. CO., MD

FROM HAND OFFICE COPY

SCALE: 1"=20'  
DATE: 3-29-82  
DES. BY: M.C.M.  
DRN. BY: M.C.M.  
SHT. 1 OF 1





### GENERAL NOTES

1. EXISTING ZONING - B.M.-CT
2. PROPOSED ZONING - B.M.-CT WITH A SPECIAL EXCEPTION TO ALLOW A WIRELESS TRANSMITTER STRUCTURE IN A B.M.-CT ZONE.
3. TOTAL AREA - 1.82 AC
4. GUY WIRES FOR EXISTING ANTENNAS TO BE RELOCATED AT TIME OF CONSTRUCTION OF TRANSMITTER STRUCTURE IF NECESSARY.



5/19/82  
Horn #214  
Revised

| REVISIONS |         |                                  |
|-----------|---------|----------------------------------|
| NO        | DATE    | DESCRIPTION                      |
| 1         | 5-18-82 | SHOW PROPOSED EQUIPMENT BUILDING |
| 2         | 5-19-82 | SPECIAL EXCEPTION BOUNDARY       |

**SPELLMAN, LARSON & ASSOCIATES, INC.**  
CIVIL ENGINEERS AND LAND SURVEYORS  
SUITE 107, JEFFERSON BLDG, TOWSON, MD., 21204  
PHONE: 823-3535

PLAT FOR  
SPECIAL EXCEPTION TO ZONING  
FOR THE  
RIDGELY CONDOMINIUMS  
205 EAST JOPPA ROAD  
9TH ELECT DIST BALTO. CO., MD

**PETITIONER'S EXHIBIT**

SCALE: 1"=20' DES BY: SHT. 1 OF 1  
DATE: 3-29-82 DRN BY: M.C.M.

32009

# UNITED STATES FREQUENCY ALLOCATIONS

SCALE  
MAGNIFICATION  
FACTOR

NOT ALLOCATED

SCALE 1 x 10<sup>0</sup>

3 kHz

SCALE 1 x 10<sup>1</sup>

30 kHz

SCALE 1 x 10<sup>2</sup>

300 kHz

SCALE 1 x 10<sup>3</sup>

3 MHz

SCALE 1 x 10<sup>4</sup>

30 MHz

SCALE 1 x 10<sup>5</sup>

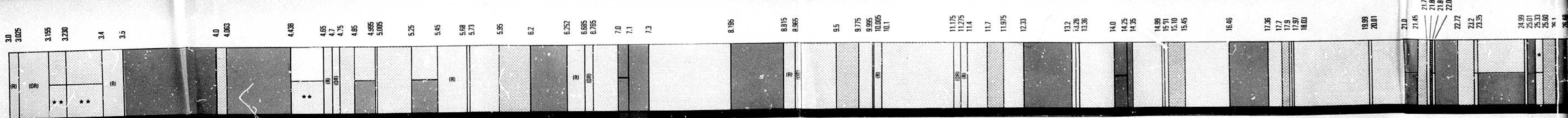
300 MHz

SCALE 1 x 10<sup>6</sup>

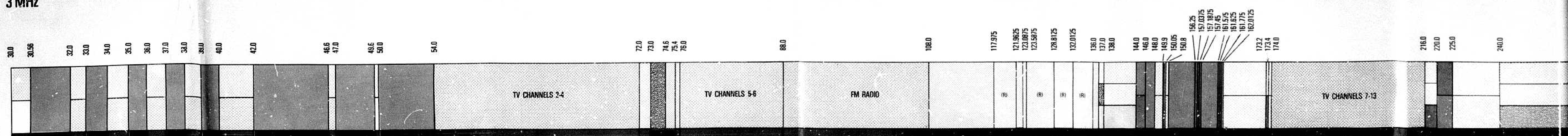
401-403 MET. SAT. (EARTH TO SPACE) 490-470 MET. SAT. (SPACE TO EARTH)  
498-406.1 MOBILE SAT. (EARTH TO SPACE)

1670-1710 MET. SAT. (SPACE TO EARTH)  
1700-1710 SPACE RESEARCH (SPACE TO EARTH)

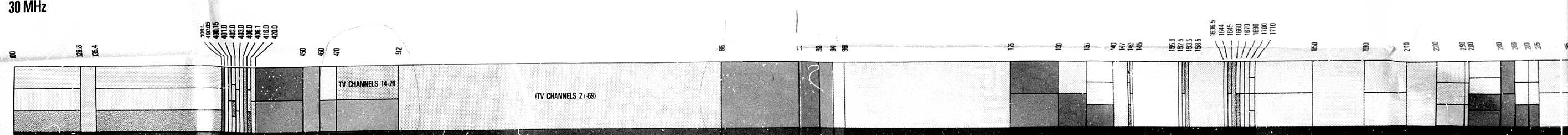
2200-2300 SPACE RESEARCH (SPACE TO EARTH)



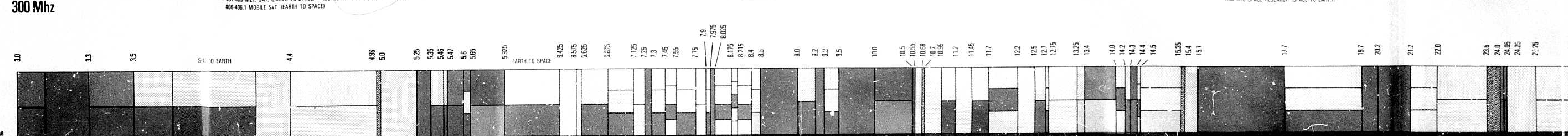
**\*\* EXCEPT AERO MOBILE (R)**



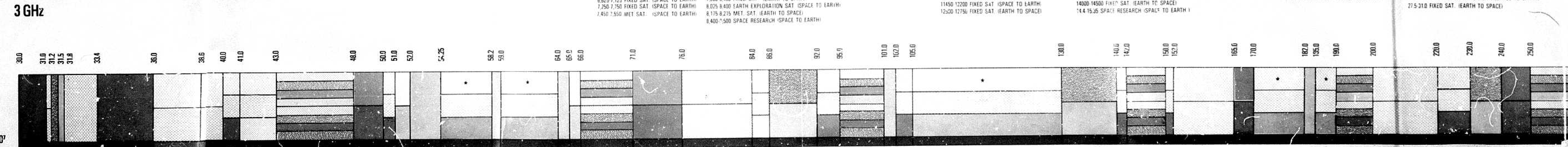
136-144 SPACE RESEARCH (SPACE TO EARTH)



|                                    |                                    |                                      |                                           |                                           |
|------------------------------------|------------------------------------|--------------------------------------|-------------------------------------------|-------------------------------------------|
| 401-403 MET. SAT. (EARTH TO SPACE) | 450-470 MET. SAT. (SPACE TO EARTH) | 1670-1710 MET. SAT. (SPACE TO EARTH) | 1720-1770 SPACE RESEARCH (SPACE TO EARTH) | 2200-2300 SPACE RESEARCH (SPACE TO EARTH) |
|------------------------------------|------------------------------------|--------------------------------------|-------------------------------------------|-------------------------------------------|

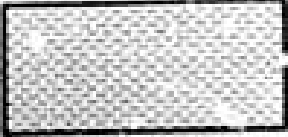
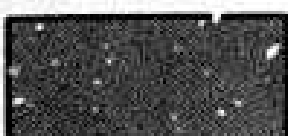
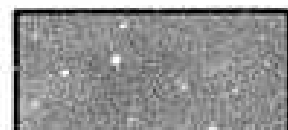
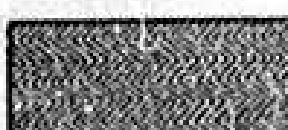


|                                        |                                        |                                            |                                                |                                       |                                                  |
|----------------------------------------|----------------------------------------|--------------------------------------------|------------------------------------------------|---------------------------------------|--------------------------------------------------|
| 6,606.713K FIXED SAT. (SPACE TO EARTH) | 7,600.840K FIXED SAT. (EARTH TO SPACE) | 10,950.11,200K FIXED SAT. (SPACE TO EARTH) | 12,550.14,200K SPACE RESEARCH (EARTH TO SPACE) | 17.7.212K FIXED SAT. (SPACE TO EARTH) | 212.220K EARTH EXPLORATION SAT. (SPACE TO EARTH) |
|----------------------------------------|----------------------------------------|--------------------------------------------|------------------------------------------------|---------------------------------------|--------------------------------------------------|



|                                   |                                   |                                   |                                     |                                     |                                     |
|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 40-41 FIXED SAT. (SPACE TO EARTH) | 50-51 FIXED SAT. (EARTH TO SPACE) | 12-95 FIXED SAT. (EARTH TO SPACE) | 102-105 FIXED SAT. (SPACE TO EARTH) | 140-142 FIXED SAT. (EARTH TO SPACE) | 150-152 FIXED SAT. (SPACE TO EARTH) |
|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|

|            |                      |
|------------|----------------------|
| [REDACTED] | GOVERNMENT EXCLUSIVE |
| [REDACTED] | GOVERNMENT AND NON-  |
| [REDACTED] | NON-GOVERNMENT ONLY  |

|                                                                                     |                    |                                                                                     |                               |
|-------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|-------------------------------|
|  | FIXED              |  | MOBILE                        |
|  | AERONAUTICAL FIXED |  | AERONAUTICAL MOBILE           |
|  | FIXED SATELLITE    |  | MARITIME MOBILE               |
|  | RADIO LOCATION     |  | LAND MOBILE                   |
|  | RADIO ASTRONOMY    |  | MOBILE SATELLITE              |
|  | SPACE OPERATIONS   |  | AERONAUTICAL MOBILE SATELLITE |
|  | SPACE RESEARCH     |  | MARITIME MOBILE SATELLITE     |

RADIONAVIGATION

AERONAUTICAL RADIONAVIGATION

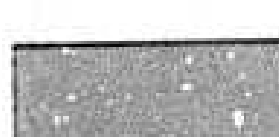
MARITIME RADIONAVIGATION

RADIONAVIGATION SATELLITE

AERONAUTICAL RADIONAVIGATION SATELLITE

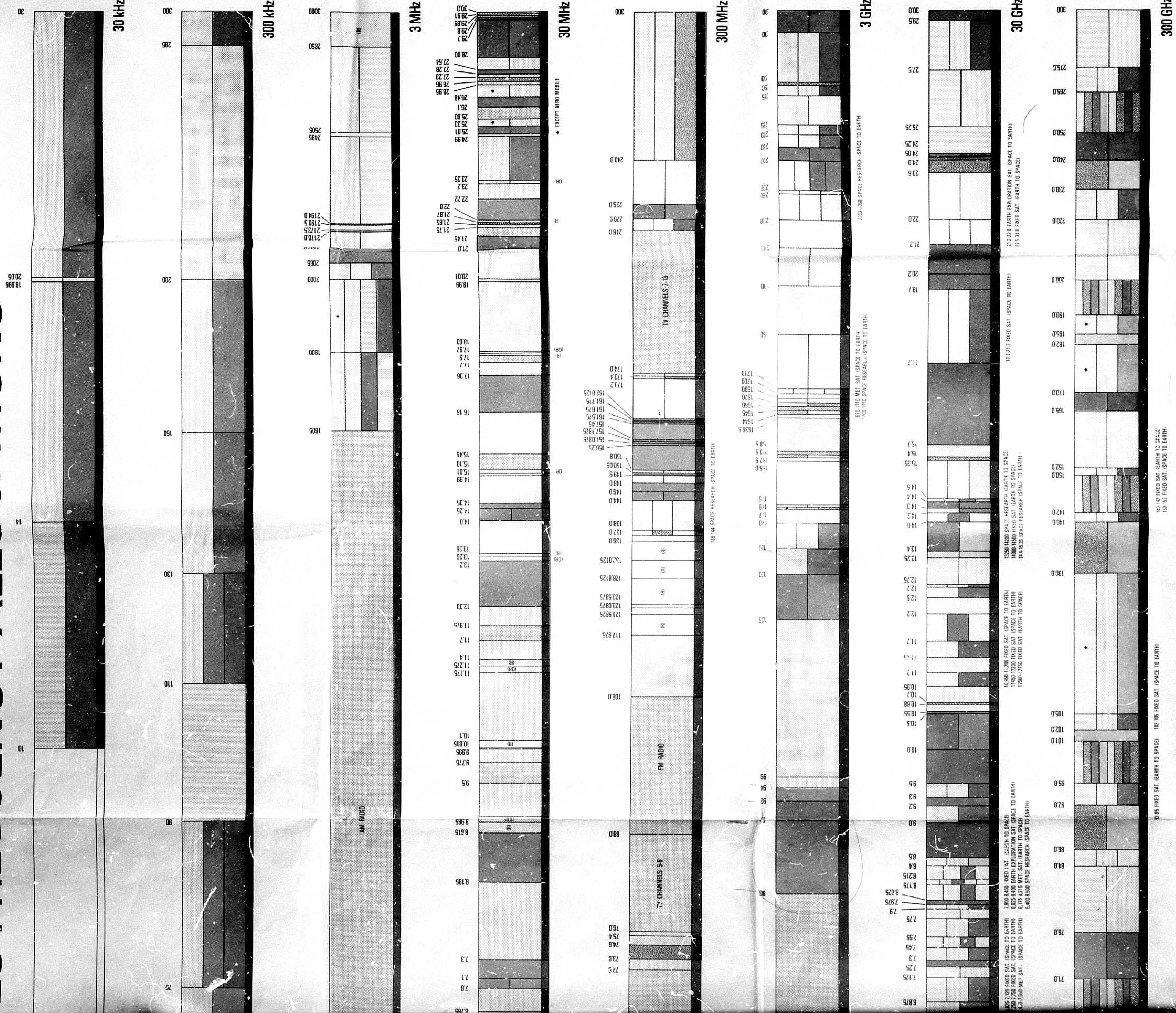
MARITIME RADIONAVIGATION SATELLITE

INTER SATELLITE

|                                                                                       |                        |                                                                                       |                              |
|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|------------------------------|
|  | BROADCASTING           |  | STANDARD FREQUENCY           |
|  | BROADCASTING SATELLITE |  | STANDARD FREQUENCY SATELLITE |
|  | AMATEUR                |  | METEOROLOGICAL AIDS          |
|  | AMATEUR SATELLITE      |  | METEOROLOGICAL SATELLITE     |
|  | CITIZENS               |  | EARTH EXPLORATION SATELLITE  |

PREPARED BY  
U.S. DEPARTMENT OF COMMERCE  
OFFICE OF TELECOMMUNICATIONS  
IN CONJUNCTION WITH  
THE OFFICE OF TELECOMMUNICATIONS POLICY  
EXECUTIVE OFFICE OF THE PRESIDENT  
JUNE 1975

# FREQUENCY ALLOCATIONS



PREPARED BY  
U.S. DEPARTMENT OF COMMERCE  
OFFICE OF TELECOMMUNICATIONS

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EXECUTIVE OFFICE OF THE PRESIDENT

JUNE 1975

PETITION  
EXHIBIT