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FRED W. ALBERTSON
CLAIR L. STOUT
THOMAS W. WILSON
PAUL A. O'BRYAN
JOSEPH E. KELLER
ROBERT L. IRWIN
WILLIAM P. SIMS JR.
THOMAS H. WALL
FRANCIS X. McDONOUGH
EARL R. STANLEY
GERALD L. PHELPS
RICHARD B. MONTGOMERY
WILLIAM J. GROVE
ALFRED C. CORDON, JR.
JOHN A. RAFTER
JOHN B. JACOB
JEROME H. HECKMAN
JOHN R. SIMS, JR.
THOMAS J. DOUGHERTY
LEONARD A. JASKIEWICZ
ROY SIMMONS
HARRY G. SELLS
CARROLL L. GILLIAM
DONALD C. O'HARA
CHARLES M. MEEHAN

LAW OFFICES
DOW, LOHNES AND ALBERTSON
MUNSEY BUILDING
WASHINGTON 4, D. C.

CARL L.V. EXSELSEN
COUNSEL, NEW YORK
—
TEMPLE W. SEAY
TAX COUNSEL

—
TELEPHONE
STERLING 3-1000
CABLE "DOWLOHNES"

—
NEW YORK OFFICE
1 WALL STREET

February 5, 1958

AIR MAIL

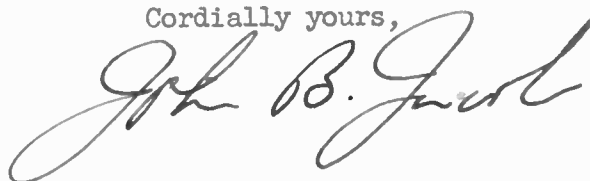
Mr. Ben Ludy
Radio Station KWFT
Wichita Falls, Texas

Dear Ben:

You will find enclosed a photostatic copy of KSYD's proposed nighttime directional pattern. Apparently this is the only nighttime map on file.

We trust this is the answer to your needs.

Cordially yours,



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LEHIGH STRUCTURAL STEEL COMPANY

Engineers · Fabricators · Erectors



STEEL BUILDINGS · TRANSMISSION TOWERS
COMMERCIAL GALVANIZING · RADIO TOWERS

BRANCH OFFICES: NEW YORK · BOSTON · WASHINGTON
PHILADELPHIA · BALTIMORE · HOME OFFICE & PLANT · ALLENTOWN · PA.
CABLE ADDRESS: LEHISTRUC · ALLENTOWN · PA. · WESTERN UNION CODE

PLEASE ADDRESS REPLY TO
17 BATTERY PLACE
NEW YORK · N. Y.

March 6, 1942.

Re: Estimate R-1195
Vertical Radiators for KWFT.

Wichita Broadcasting Company
Kemp Hotel,
Wichita Falls, Texas.

Attention: Mr. Joe B. Carrigan,
President.

Gentlemen:

We did not receive your letter of February 19th until the following Tuesday; however, your wire of February 21st was received on that day and we replied in accordance with the attached confirmation of telegram.

We were pleased to receive your telegram of February 23rd, which read as follows:

"WE ARE AMENDING OUR PENDING APPLICATION BEFORE FCC TO BE HEARD FRIDAY THE 13th OF MARCH SPECIFYING TWO NEW TOWERS AS PRICED IN YOUR TELEGRAM FEBRUARY 21 I AM ADVISED PRIORITY WILL BE OBTAINED WITH GRANT THANKS".

We are offering you below, complete information and prices on these towers:-

Item #1. For two Lehigh galvanized self-supporting towers 400 feet in height, as shown on our Drawing R64C-A, copy attached, these towers to be used as vertical radiators and to be equipped with one radio tower insulator #25012 as manufactured by the Locke Insulator Company under each corner leg of each tower, step bolts on one corner leg of each tower, assembly bolts and Palnut locknuts, also anchor bolts, Our price is the sum of TEN THOUSAND FIVE HUNDRED (\$10,500.00) DOLLARS, figured f.o.b. cars, Allentown, Pa., with present rate of all rail freight allowed to Wichita Falls, Texas. Shipping weight - 114,000 pounds for 2 towers. Shipment - Fourteen (14) weeks after receipt of your formal with complete information, and your furnishing us a Preference Rating Certificate of A-3 or better. If an A-10 Rating is

Wichita Broadcasting Co.

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March 6, 1942.

obtained we could make shipment, but cannot give you anything definite. The anchor bolts, we believe, could be sent in advance so that the foundations may be installed and made ready to receive the tower material upon arrival. These towers would be exact duplicates of your present towers, which orders we received from you in April 1939, and July 1940.

We wish to point out the above towers are offered with a coat of 'hot dip' galvanizing which is more costly than a painted job, but the galvanizing is a positive protection against rust which is the greatest enemy of steel, and we feel the small initial cost of it will repay itself many times during the life of the radiator, which is always exposed to the weather. While it is true the towers are usually painted for marking requirements, the paint job as a rule does not prevent rust inside the bolt holes and other inaccessible parts. The Department of Commerce has always purchased its towers galvanized even though they are later given a coat of paint for marking.

The above price includes the cost of all rail freight from Allentown, Pa., to Wichita Falls, Texas.

The top plates of the towers will be punched for attaching one FCB-12 beacon or equivalent (beacon furnished by others). We will provide any additional punching for attaching lighting material providing we are given information before fabrication. We assume no holes will be required for attaching conduits as same can readily be attached to the tower members with "U" bolts.

This quotation is contingent upon strikes, accidents and other acts beyond our control.

We will guarantee the above towers for a period of one year against defective workmanship or materials.

The towers will also be shipped completely knocked down and we give the specifications on our Drawing R640-A and for your information the wind pressure of 30 pounds per square foot is equivalent to an indicated velocity of approximately 115 miles per hour.

Our towers are designed for the following unit stresses:

Tension	18000
Compression	<u>18000</u>
	<u>L2</u>
1 plus	18000R2

Minimum thickness 3/16".

Wichita Broadcasting Co.

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March 6, 1942.

All material will be 'hot dip' galvanized and we do not take advantage of the 33-1/2% increase in the above stresses which is allowed by the American Institute of Steel Construction for combination wind and dead load stresses, as the only dead load is the weight of the tower.

Terms: To be mutually satisfactory.

We do not furnish any bolts smaller than 5/8" in diameter and we consider this very important. The top four panels are single-laced and the balance of the tower has double lacing; also, the corner legs are all less than 120 L/R.

In the event the above materials are subject to any Federal, State or Municipal Sales Taxes, now or hereafter enacted, the amount of the tax shall be added to the purchase price.

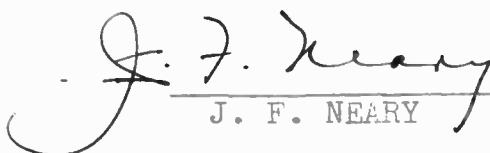
We note you are to have a hearing before the F.C.C. on March 13th and we, therefore, offer the above price for your acceptance until March 19th after which the price is subject to further confirmation.

We wish to thank you for past favors and if we can give you additional information, please let us hear from you.

Sending regards, we remain,

Yours very truly,

LEHIGH STRUCTURAL STEEL CO.


J. F. NEARY

JFN:c

John F. Beasley Construction Co.

STEEL ERECTORS

1614 MERCANTILE BANK BUILDING
PHONE RIVERSIDE 3228
DALLAS, TEXAS

P. O. BOX 1624
PHONE 4762
MUSKOGEE, OKLAHOMA

20 N. WACKER DRIVE
PHONE STATE 2-7889
CHICAGO, ILLINOIS

Muskogee, Oklahoma
September 25, 1950

Mr. Herbert T. Wiley, Chief Engineer
Radio Station KWFT
Wichita Falls, Texas

Dear Sir:

Your September 16th letter regarding discrepancies in the towers erected by us in March 1948 is acknowledged.

As discussed with you last Friday, our inspection of your towers indicated they were in need of some maintenance. The method provided for attaching the lighting conduit to the towers was not too good and we suggest either some malleable conduit clamps or stainless steel wraplock be used to secure the conduit in place.

The obstruction lights will in all probability continue to work into a downward position as no means was provided to support them upright. Some tower manufacturers provide an angle support at each light for this purpose.

We found some loose bolts in the one tower we climbed, some of which could have been carelessness on the part of our workmen, but after two and a half years, could also be due to wind vibration. A general check up and tightening of all bolts on any radio tower should be made at least every two years.

The base insulators which you advise continue to loosen, although you have tightened them several times, could be due to unequal elevations of one or more of the footers. We would suggest the bottom of the tower legs be checked for level and the low ones shimmed up. The washer on the northwest leg of your northwest tower should also be shimmed to provide an even bearing on all sides of the washer.

With exception of the southeast tower, the paint in general is in very good condition and would not require immediate repainting. As pointed out to you, the southeast tower only had one coat and sometimes it is very difficult to get a newly galvanized surface primed so that paint will adhere to it perfectly. The purpose of the paint however, is only for color marking as the galvanizing is adequate protection against corrosion. This tower could very well be repainted when the others are, at which time the galvanizing will be sufficiently weathered to provide a good bond surface for the paint. The first coat of paint on new galvanized towers never holds up as well as later coats as is evidenced

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Mr. Herbert T. Wiley, Chief Engineer
Radio Station KWFT
Wichita Falls, Texas

by your towers which were all painted at the same time, with the same materials and by the same crew.

In view of our inspection trip, we do not believe your troubles are our responsibility, however, in an effort to be fair we would be pleased to furnish you a couple of efficient workmen on a cost plus basis to perform any maintenance work you wish done and consider making an agreeable adjustment in the invoicing thereof for work you felt was necessitated by carelessness in our original erection job.

Please advise your wishes and we wish to thank you for the opportunity to be of service.

Very truly yours,

JOHN F. BEASLEY CONSTRUCTION COMPANY

By


M. W. Kyger

MWK:lc

CHARGE TO THE ACCOUNT OF

CHECK SERVICE DESIRED OTHERWISE MESSAGE WILL BE SENT AT FULL RATE		
DOMESTIC		FOREIGN
FULL RATE		FULL RATE
DAY LETTER	<input checked="" type="checkbox"/>	CDE RATE
NIGHT LETTER		URGENT
SERIAL		DEFERRED
RESERVATION	<input checked="" type="checkbox"/>	NIGHT LETTER
TOUR-RATE		SHIP RADIO



CHARGE ACCOUNT NUMBER	
CASH NO.	TOLLS
CHECK	
TIME FILED	(STANDARD TIME)

Form 2-C

Send the following message, subject to the Company's rules, regulations and rates set forth in its tariffs and on file with regulatory authorities

February 21st, 1942.

Joe B. Carrigan
Radio Station KWFT
Wichita Falls, Texas

Retel subject to prior sale our price for each 400 foot insulated tower is \$5250. delivered all rail Wichita Falls Texas in lots of two or more. Shipment 14 weeks if A3 or better priority is obtained. Regards.

Lehigh Structural Steel Company Neary



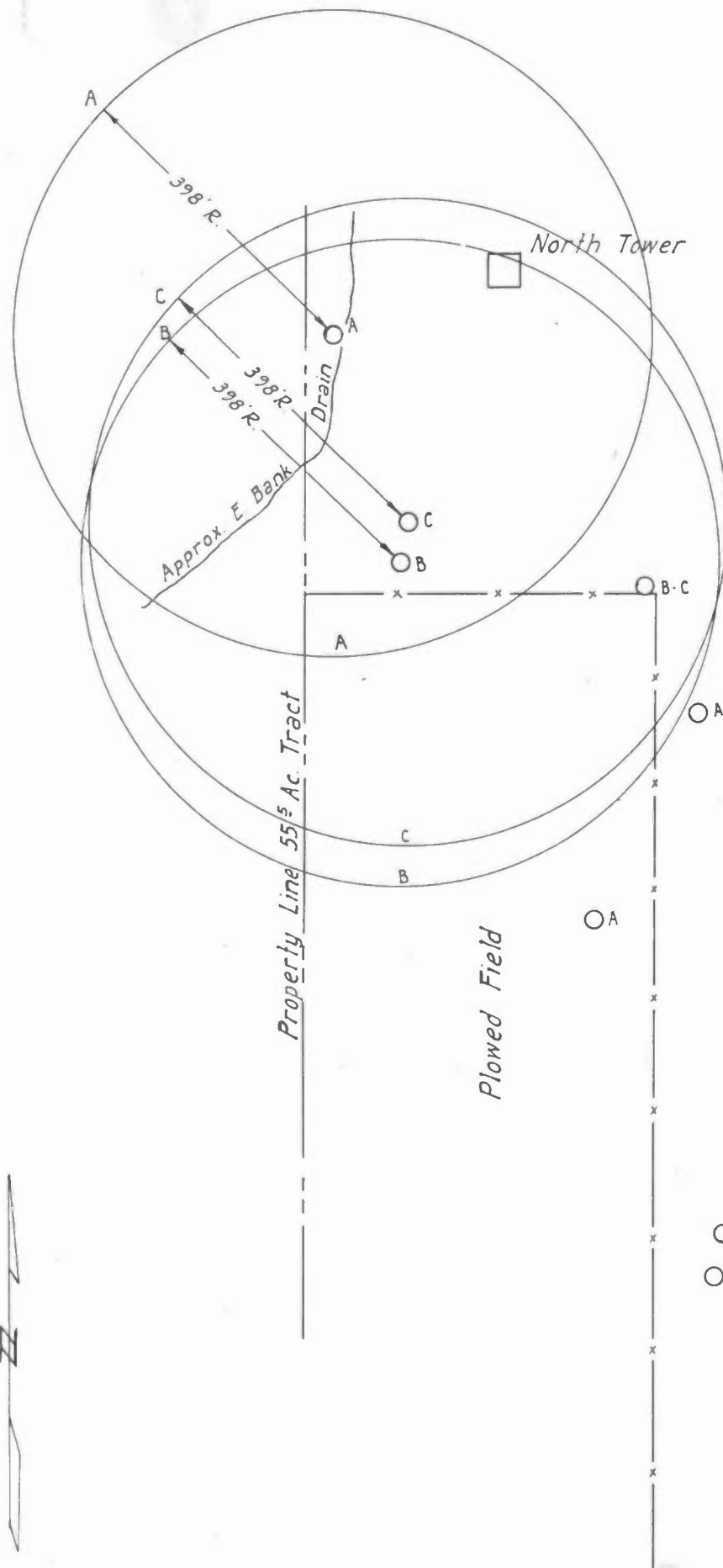
PLAT FOR
WICHITA BROADCASTING CO

SHOWING LOCATION OF
PATTERNS A-B-C

On Ground

Scale 1" = 200'

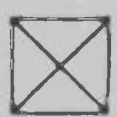
Surveyed Feb 26, 1942
BY A. M. McPHERSON
County Surveyor
Licensed Land Surveyor
Wichita Falls, Texas



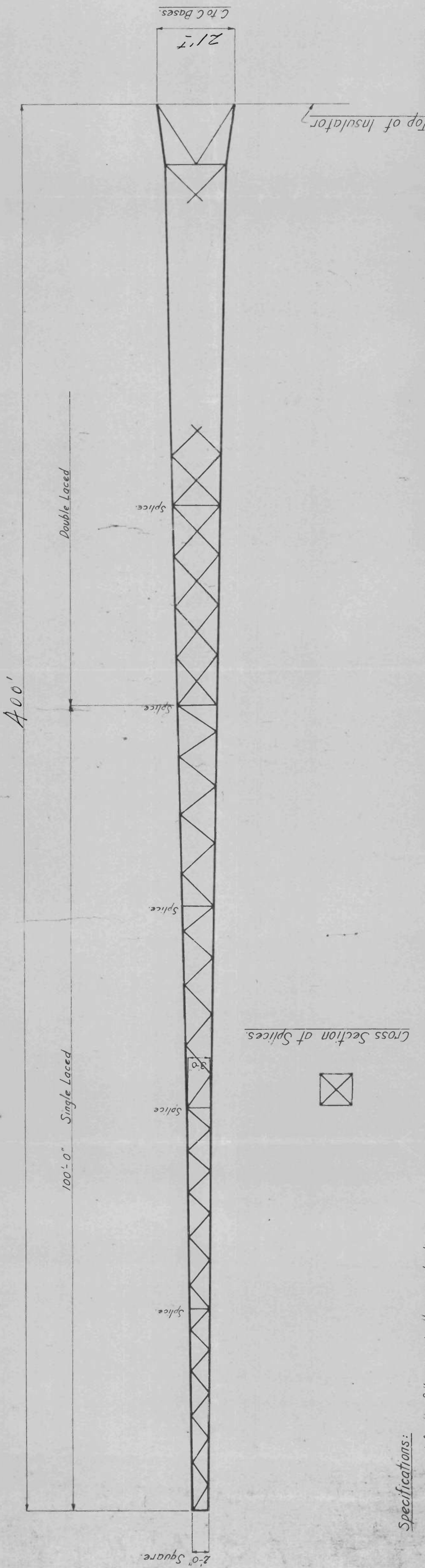
South Tower

Specifications:

Tower designed for the following simultaneous loadings:



Cross Section of Splices.



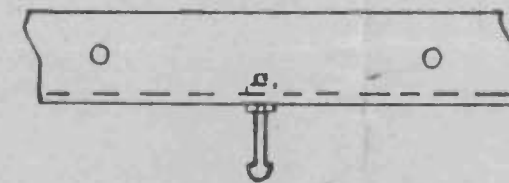
Reactions at each leg

DOWN - 102000 #

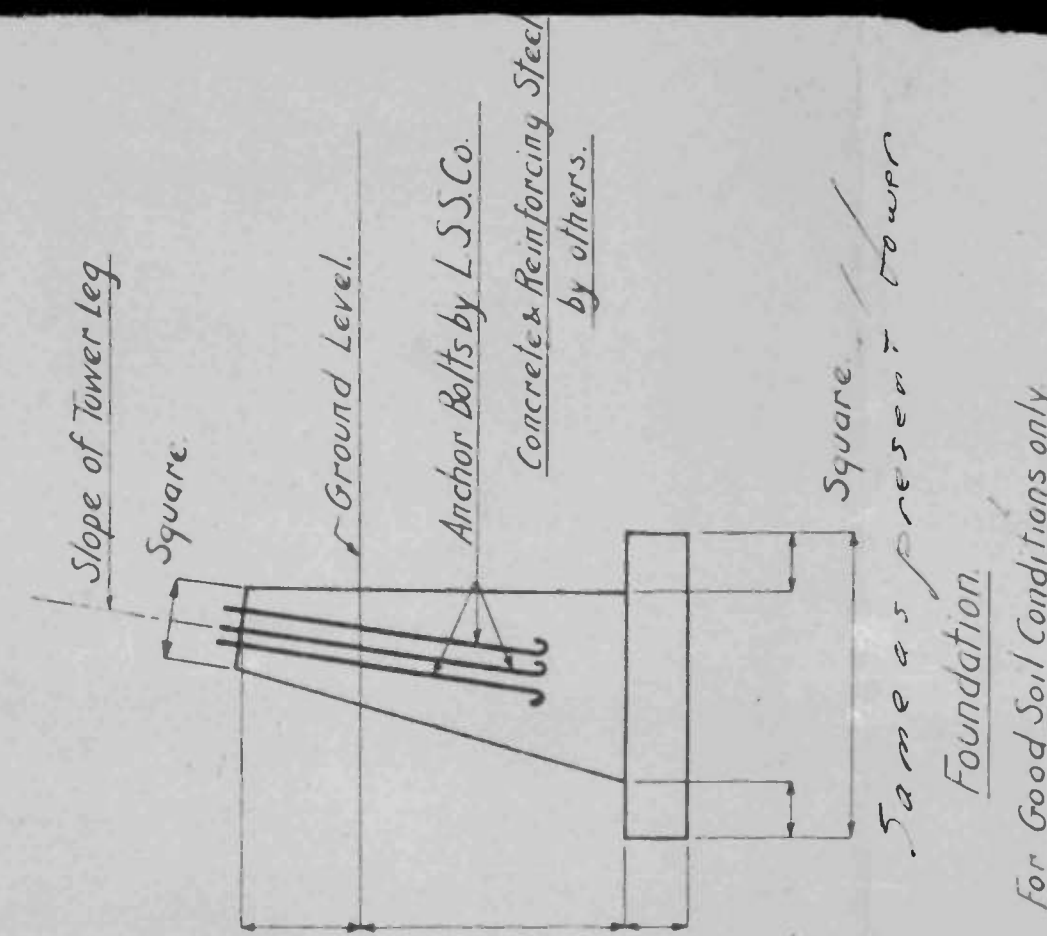
UP - 76000 #

- 1) Dead weight of the structure
 - 2) Wind load of 30 pounds per square foot normal to, and on $1\frac{1}{2}$ times the projected area of one face.
- All connections to be made with bolts. Palm nut locknuts are to be applied to each bolt after the service nut has been drawn up tight.
- Step bolts - on one corner leg from top to bottom of tower.
- All material 'hot dip' galvanized.
- All material shipped 'knocked down'.
- Lap splices every 25 ft.

Do not use for construction.



Detail of Step Bolts



Lehigh Structural Steel Co.

New York City.

400' Insulated Radio Tower.

Drawing- A

Date: 5/6/40

Estimate- R640

