



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
BPH60353

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
RON PRICE
304-558-0492

***508110612 325-658-6539**
WESTERN TOWERS
320 WEST 26TH STREET
SAN ANGELO TX 76903

HEALTH AND HUMAN RESOURCES
BPH - TRAUMA & EMERGENCY CARE
SYSTEM
VARIOUS LOCALES AS INDICATED
ON PURCHASE ORDER

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| DATE PRINTED 05/24/2006 | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
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BID OPENING DATE: **06/08/2006** BID OPENING TIME **01:30PM**

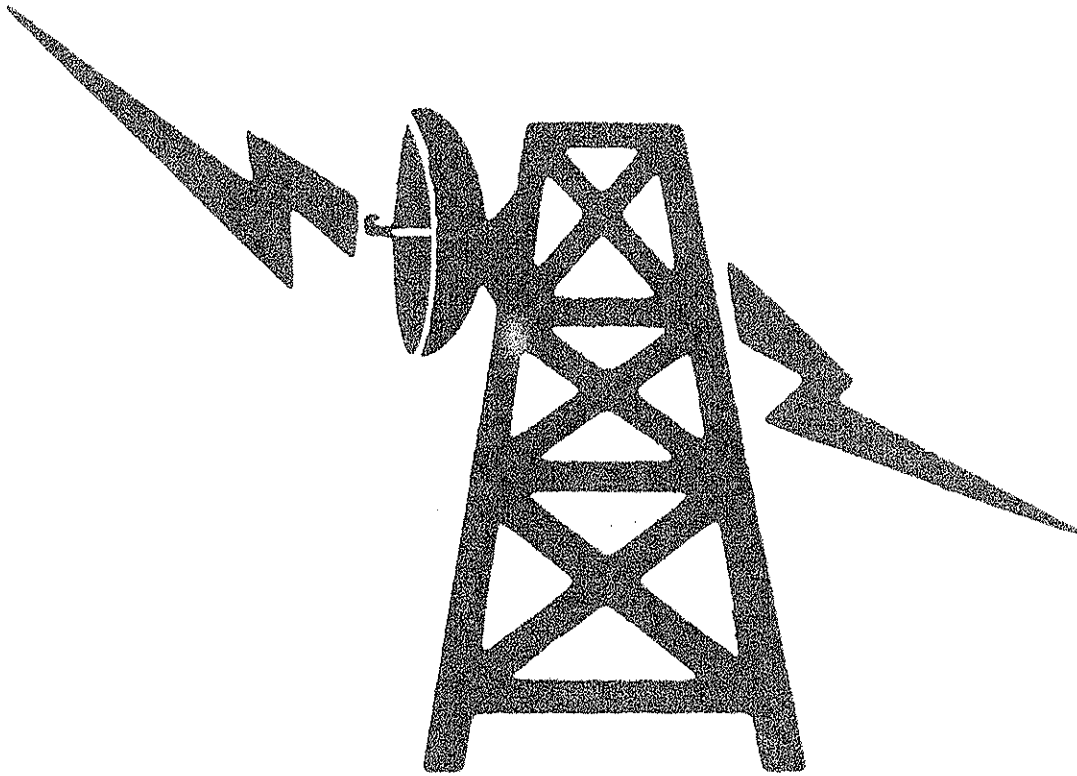
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| 0001 | 1 | JB | | 968-15 | | |
| <p>OPEN END CONTRACT TO PROVIDE COMMUNICATION TOWERS</p> <p>OPEN END CONTRACT</p> <p>TO ESTABLISH AN OPEN END CONTRACT FOR VARIOUS COMMUNICATIONS TOWERS FOR BUILD-OUT OF THE STATEWIDE MEDICAL COMMAND MICROWAVE INTEROPERABLE COMMUNICATIONS SYSTEM PER THE ATTACHED SPECIFICATIONS.</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE</p> | | | | | | <p><i>see detail on page 14</i></p> |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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| SIGNATURE | TELEPHONE | DATE |
| TITLE | FEIN | ADDRESS CHANGES TO BE NOTED ABOVE |

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

WESTERN TOWERS



Phone (325) 658-6539
P.O. BOX 2040
SAN ANGELO, TEXAS 76902

State of West Virginia, Dept of Administration
ATTN: Ron Price
2019 Washington St East
Charleston, WV 25305

June 7, 2006

Ref: RFQ BPH60353

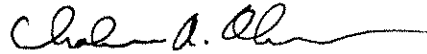
To Whom It May Concern:

Wilbur L. Anderson, Inc. dba Western Towers, a duly incorporated Texas corporation, submits the following proposal to design, manufacture to specification, and supply the communications towers listed in RFQ BPH60353.

Western Towers has been in business since 1945 and is one of the premier tower manufacturing companies in the country. Western Towers stands behind its work and has included an example of our written guarantee with this proposal. We have also included both proof of insurability and proof of ability to complete this type of project.

Western Towers feels certain that our products and services meet or exceed the standards set forth in this bid proposal and that our prices are competitive. Western Towers has neither altered the terms of the contract proposal nor set forth any exceptions therein. Should there be questions or requests for clarification, please contact Charles Anderson for further assistance.

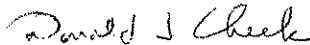
This bid is submitted on behalf of Western Towers by:



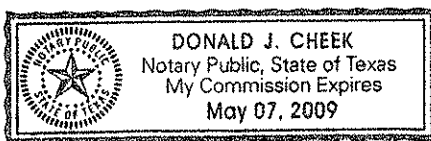
Charles A. Anderson,
President

State of Texas, County of Tom Green

This instrument was acknowledged before me on June 7, 2006 by Charles A. Anderson, President of Western Towers, a Texas corporation, on behalf of said corporation.



Donald J. Cheek, Notary Public
My Commission expires May 7, 2009



WESTERN TOWERS

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required registration fee. (Effective June 8, 2006, the fee will change from \$45.00 to \$125.00 pursuant to House Bill 4031.)
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **DUPLICATE BIDS:** All quotations must be delivered by the bidder to the respective offices listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

ORIGINAL SIGNED BID TO:

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

DUPLICATE BID TO:

State Auditor's Office
Bid Observer
Building 1 Room W114
1900 Kanawha Boulevard, East
Charleston, WV 25305-0230

NOTICE: Beginning June 8, 2006, there is no need to submit a duplicate bid to the State Auditor's Office pursuant to House Bill 4031.



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| ADDRESS CORRESPONDENCE TO ATTENTION OF: |
| RON PRICE 304-558-0492 |

*508110612 325-658-6539
 WESTERN TOWERS
 320 WEST 26TH STREET
 SAN ANGELO TX 76903

VENDOR

SHIP TO

HEALTH AND HUMAN RESOURCES
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BID OPENING DATE: **06/08/2006** **BID OPENING TIME 01:30PM**

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| <p>ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICE SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER</p> | | | | | | |

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| <p>ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 04/11/2001</p> <p>EXHIBIT 6</p> <p>PRICE ADJUSTMENT PROVISION: THE STATE OF WEST VIRGINIA WILL CONSIDER BIDS THAT CONTAIN PROVISIONS FOR PRICE ADJUSTMENTS PRIOR TO THE ORIGINAL EXPIRATION OF THE CONTRACT, PROVIDED THAT SUCH PRICE ADJUSTMENT COVERS BOTH UPWARD AND DOWNWARD MOVEMENT OF THE COMMODITY PRICE, AND THAT ADJUSTMENT IS BASED ON THE "PASS THROUGH" INCREASE OR DECREASE OF RAW MATERIALS AND/OR LABOR, WHICH MAKE UP ALL OR A SUBSTANTIAL PART OF A PRODUCT. ADJUSTMENTS ARE TO BE BASED UPON AN ACTUAL DOLLAR FIGURE, NOT A PERCENTAGE. ALL PRICE ADJUSTMENT REQUESTS MUST BE SUBSTANTIATED IN A MANNER ACCEPTABLE TO THE DIRECTOR PURCHASING, E.G. GOVERNMENTAL BENCH MARKS, GENERAL MARKET INCREASE, PUBLISHED PRICE LISTS. SUCH REQUESTS FOR AN INCREASE SHOULD BE RECEIVED IN WRITING BY THE DIRECTOR OF PURCHASING AT LEAST 30 DAYS IN ADVANCE OF THE EFFECTIVE DATE OF THE INCREASE. ANY TIME THE VENDOR REQUESTS A PRICE ADJUSTMENT, THE PURCHASING DIVISION MAY EITHER ACCEPT THE PRICE ADJUSTMENT AND AMEND THE CONTRACT ACCORDINGLY OR REJECT THE ADJUSTMENT IN ITS ENTIRETY AND CANCEL THE CONTRACT.</p> | | | | | | |

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| <p>PREFERRED TERMS: IT IS PREFERRED THAT THE PRICES ON THIS CONTRACT ARE FIRM FOR LIFE OF THE CONTRACT, AS INDICATED IN THE LIFE OF CONTRACT CLAUSE CONTAINED HEREIN, NOT TO EXCEED ONE (1) YEAR.</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY I WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH</p> | | | | | | |

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| <p>HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE</p> | | | | | | |

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| <p>CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: <u>Western Towers</u></p> <p>DATE: <u>June 7, 2006</u></p> <p>SIGNED: <u><i>[Signature]</i></u></p> <p>TITLE: <u>President</u></p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B".</p> | | | | | | |

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| | (REV. 12/00) | | | | | |
| | <p>NOTICE</p> <p>AN ORIGINAL, SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID MUST CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPES OR THE BIDS MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 41</p> <p>RFQ. NO.: BPH60349</p> <p>BID OPENING DATE AND TIME</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- (325) 655-1185 -----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY):</p> <p>----- Donald J. Cheek, Controller -----</p> | | | | | |

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The West Virginia Department of Health and Human Resources (DHHR), Bureau for Public Health (BPH), State Trauma and Emergency Care System (STECs) desires to establish an open-end contract for the purchase of various **communications towers** for the Statewide Medical Command communications and interoperable radio system as well as all state agencies and political subdivisions.

SPECIFICATIONS

1.0 General

- 1.1 Successful bidder shall pre-pay freight costs for delivery to Clarksburg, WV and/or Charleston, WV. Vendor will then be paid the actual freight costs upon submission of original freight invoice to STECS.
- 1.2 Quote shall include all applicable catalog items and accessories not specifically included with a listed tower at a fixed discounted price. Quote shall include sample of actual prices with discount applied to the following sample items:

| Estimated Annual Order* | Description |
|-------------------------|--|
| 15 | Six (6) foot standard side arms. |
| 15 | Six (6) foot tapered side arms. |
| 5 | Safety climb device. |
| 10 | 300 mm coated red beacon |
| 10 | Red side light assemble that will accept a 117 watt bulb. |
| 6 | Tower section with 12 inch face and 10 feet long (capable of telescoping into adjoining sections.) |
| 6 | Tower section with 18 inch face and 10 feet long (capable of telescoping into adjoining sections.) |
| 25 | ¼ inch eye to eye turnbuckles |
| 25 | 3/8 inch eye to eye turnbuckles |
| 25 | ½ inch eye to eye turnbuckles |
| 25 | ¼ inch eye to jaw turnbuckles |
| 25 | 3/8 inch eye to jaw turnbuckles |
| 25 | ½ inch eye to jaw turnbuckles |

*Above numbers are sample estimates only. The actual number ordered may be more or less.

NOTE: Bid MUST include a percent discount to be applied to all catalog items and applied to the sample items listed above.

- 1.3 Quote shall be valid for a period of one year from date of opening with option to renew for two (2) additional one year periods.
- 1.4 Quote shall include samples of pertinent warranties. Bidder must warranty product for a minimum of one (1) year.
- 1.5 Delivery must be guaranteed no greater than eight (8) weeks after each tower order date.
- 1.6 All towers must meet industry standards. (i.e. UL listing, FCC, IEEE)
- 1.7 Manufacturer must have manufactured like structures of proven quality for a minimum of five (5) years, and provide at least three (3) references of actual projects completed of like structures.

2.0 Detail Specifications for Communications Towers

This request is for pricing for materials, parts and delivery necessary for the construction of various communications towers. It does not include installation of the tower. Bidder shall include costs based on the sample number of towers listed in the chart below. Tower sizes, types, and sample number requested are as follows:

| Estimated Annual Order* | Self Supporting |
|-------------------------|----------------------|
| 1 | 140' self supporting |
| 1 | 160' self supporting |
| 2 | 180' self supporting |
| 1 | 200' self supporting |
| 1 | 220' self supporting |
| 2 | 240' self supporting |
| 1 | 260' self supporting |
| 1 | 280' self supporting |
| 2 | 300' self supporting |
| 2 | 320' self supporting |
| 2 | 340' self supporting |
| | |
| | Guyed |
| 1 | 160' guyed |
| 1 | 200' guyed |
| 1 | 240' guyed |
| 1 | 280' guyed |
| 1 | 320' guyed |
| 1 | 360' guyed |
| 1 | 400' guyed |
| 1 | 440' guyed |
| 4 | 480' guyed |

*Above numbers are sample estimates only. The actual number ordered may be more or less.

- 2.1 Towers will be constructed on an equilateral triangle pattern with steel legs and cross bracing members of either bolted or welded construction. The triangular size shall be sufficient to meet EIA standards as per the International Building Code acceptance. All tower sections and accessories will be hot dipped galvanized after fabrication according to ASTM specification A-123, which gives a minimum of 2 oz. of zinc per square foot of surface.
- 2.2 Towers will be designed for a wind load of 90 mph - 3 second gusts, with 1/2" radial ice per the EIA Standards and the International Building Code acceptance. Wind and ice shall be considered on the tower, antenna, guys, and all appurtenances. The manufacturer should consider that the structures are for essential facilities. Importance factors should be adjusted accordingly.
- 2.3 Towers shall be able to accommodate torque arms at appropriate locations to support 6 GHZ microwave dishes and directional antenna. (All guyed towers shall have minimum face width of 40 inches or greater, measured to the outside of the tower legs on the face)
- 2.4 Towers shall have a lightning rod assembly designed to be mounted higher than the uppermost antenna.
- 2.5 Towers will have a climbing leg or step pegs designed to meet current EIA standards per the International Building Code acceptance.
- 2.6 Towers shall be designed for waveguide ladders on three (3) faces. Waveguide ladders shall accommodate snap-in and bolt-on style hangers with a minimum of 12 holes. Guyed towers shall have waveguide brace brackets
- 2.7 Towers shall be designed and fabricated according to the EIA standards per the International Building Code acceptance. All tower design and engineering data must be submitted to the purchaser prior to delivery of tower.
- 2.8 All tower members shall be designed to allow easy inspection of all surfaces for possible corrosion.
- 2.9 The shaft of guyed towers shall be supported on a point mount at the center of the foundation in a manner to prevent transmission of binding forces between tower and concrete base.
- 2.10 Structural steel shall comply with the latest specifications for structural steel for bridges and buildings.
- 2.11 All welding shall be x-ray quality and conform to latest AISC and AWS standards.
- 2.12 Any members that are received buckled or bent must be replaced.

- 2.13 Nuts and bolts shall conform to the latest ASTM standards. Split ring lock nuts shall be supplied to secure all nuts.
- 2.14 All guy strands shall be extra high strength and conform to latest ASTM specifications, with class A zinc coating.
- 2.15 Tower guys shall be provided with a turnbuckle safety at each anchor point.
- 2.16 Tower guys shall each be provided as one continuous strand from anchor point to the tower.
- 2.17 Towers shall have grounding plates attached to each leg at tapered base section to accommodate thermo weld connection of ground wires.
- 2.18 Tower will be supplied with tower lighting package as appropriate to its height.
- 2.19 Tower lighting package shall be a dual lighting system. Components shall consist of white strobe light(s) to be operational during the daytime and red light(s) to be operational at night.
- 2.20 Tower lighting package shall include necessary control equipment to monitor tower lights.
- 2.21 Ice shields shall be provided for center beacons where applicable.
- 2.22 Tower package shall include a 12 foot sector boom to be mounted at the top of the structure with 12 antenna locations on the boom. **In addition, the tower shall be designed to accommodate up to ten (10) UHF/VHF antenna on 6 foot side arms distributed equally over the tower height down to a height of 50 feet. Antennas will be up to 18 ft. in length.**

2.23 Each tower shall be designed to accommodate additional attachments as per the following table:

| Tower Loading Requirements | | | |
|-----------------------------------|------------------------------------|------------------------------------|------------------------|
| 140 self | 4-8' HP 6 GHZ dishes - 80' to 130' | 4-6' HP 6 GHZ dishes - 80' to 130' | 12' sector boom at top |
| 160 self | 4-8' HP 6 GHZ dishes - 80' to 150' | 4-6' HP 6 GHZ dishes - 80' to 150' | 12' sector boom at top |
| 180 self | 4-8' HP 6 GHZ dishes - 80' to 170' | 4-6' HP 6 GHZ dishes - 80' to 170' | 12' sector boom at top |
| 200 self | 4-8' HP 6 GHZ dishes - 80' to 190' | 4-6' HP 6 GHZ dishes - 80' to 190' | 12' sector boom at top |
| 220 self | 4-8' HP 6 GHZ dishes - 80' to 210' | 4-6' HP 6 GHZ dishes - 80' to 210' | 12' sector boom at top |
| 240 self | 4-8' HP 6 GHZ dishes - 80' to 230' | 4-6' HP 6 GHZ dishes - 80' to 230' | 12' sector boom at top |
| 260 self | 4-8' HP 6 GHZ dishes - 80' to 250' | 4-6' HP 6 GHZ dishes - 80' to 250' | 12' sector boom at top |
| 280 self | 4-8' HP 6 GHZ dishes - 80' to 270' | 4-6' HP 6 GHZ dishes - 80' to 270' | 12' sector boom at top |
| 300 self | 4-8' HP 6 GHZ dishes - 80' to 290' | 4-6' HP 6 GHZ dishes - 80' to 290' | 12' sector boom at top |
| 320 self | 4-8' HP 6 GHZ dishes - 80' to 310' | 4-6' HP 6 GHZ dishes - 80' to 310' | 12' sector boom at top |
| 340 self | 4-8' HP 6 GHZ dishes - 80' to 330' | 4-6' HP 6 GHZ dishes - 80' to 330' | 12' sector boom at top |
| 160 guyed | 4-8' HP 6 GHZ dishes - 80' to 150' | 4-6' HP 6 GHZ dishes - 80' to 150' | 12' sector boom at top |
| 200 guyed | 4-8' HP 6 GHZ dishes - 80' to 190' | 4-6' HP 6 GHZ dishes - 80' to 190' | 12' sector boom at top |
| 240 guyed | 4-8' HP 6 GHZ dishes - 80' to 230' | 4-6' HP 6 GHZ dishes - 80' to 230' | 12' sector boom at top |
| 280 guyed | 4-8' HP 6 GHZ dishes - 80' to 270' | 4-6' HP 6 GHZ dishes - 80' to 270' | 12' sector boom at top |
| 320 guyed | 4-8' HP 6 GHZ dishes - 80' to 310' | 4-6' HP 6 GHZ dishes - 80' to 310' | 12' sector boom at top |
| 360 guyed | 4-8' HP 6 GHZ dishes - 80' to 350' | 4-6' HP 6 GHZ dishes - 80' to 350' | 12' sector boom at top |
| 400 guyed | 4-8' HP 6 GHZ dishes - 80' to 390' | 4-6' HP 6 GHZ dishes - 80' to 390' | 12' sector boom at top |
| 440 guyed | 4-8' HP 6 GHZ dishes - 80' to 430' | 4-6' HP 6 GHZ dishes - 80' to 430' | 12' sector boom at top |
| 480 guyed | 4-8' HP 6 GHZ dishes - 80' to 470' | 4-6' HP 6 GHZ dishes - 80' to 470' | 12' sector boom at top |

The above loading should also include ice shields over dishes. Towers should also be designed for multiple cellular carriers in lieu of same locations where dishes are located. **(Microwave Dishes with ray domes are back to back at four locations equally distributed over the mounting height range specified in the above chart.)**

2.24 The following drawings shall be furnished by the successful vendor, for each tower at the time of ordering:

- Four (4) copies of tower design and calculation sheets
- Four (4) copies of foundation plans
- Four (4) copies of guying specifications
- Four (4) copies of final erection drawings

Samples of the above documents should be provided with this quote.

2.25 All tower drawings shall have a West Virginia PE stamp or seal.

2.26 All tower foundation drawings shall have a West Virginia PE stamp or seal.

2.27 Each structural member shall be identified by a part number and any parts with the same part number must be interchangeable. This will result in tower sections capable of being installed in any 120 degree rotation without changing the tower structurally. Match marking requirements of tower sections by the manufacturer, for proper assembly, shall not be acceptable.

- 2.28** Tubular leg members shall maintain an open interior diameter through the flange plate at least as large as the inside diameter of the pipe and electrically welded externally and internally.
- 2.29** Flanged leg connections shall utilize a minimum of four bolts per leg. Tower leg members shall utilize a 50 KSI minimum yield strength.
- 2.30** The tower manufacturer shall maintain the highest quality steel manufacturing standards for production. Only AWS certified welders shall be employed for tower fabrication. A fully qualified quality control department shall be employed with a quality control manual maintained to establish minimum acceptable fabrication standards, procedures, and requirements for documentation.
- 2.31** All Self Supporting towers indicated should assume normal soil and level ground.
- 2.32** All Guy Towers should assume normal soil, with 50 ft. drop in elevation from tower base to its farthest anchor point.

EVALUATION SHEET - TOWERS

| Estimated Annual Order | Self Supporting | Unit Cost | Total Cost |
|------------------------------|----------------------|------------------------|------------------------|
| 1 | 140' self-supporting | \$ 27,591.73 | \$ 27,591.73 |
| 1 | 160' self-supporting | \$ 33,322.96 | \$ 33,322.96 |
| 2 | 180' self-supporting | \$ 38,524.04 | \$ 77,048.08 |
| 1 | 200' self-supporting | \$ 12,926.20 | \$ 12,926.20 |
| 1 | 220' self-supporting | \$ 50,131.18 | \$ 50,131.18 |
| 2 | 240' self-supporting | \$ 58,613.39 | \$ 117,226.78 |
| 1 | 260' self-supporting | \$ 68,498.93 | \$ 68,498.93 |
| 1 | 280' self-supporting | \$ 77,943.29 | \$ 77,943.29 |
| 2 | 300' self-supporting | \$ 86,636.74 | \$ 173,273.48 |
| 2 | 320' self-supporting | \$ 96,368.05 | \$ 192,736.10 |
| 2 | 340' self-supporting | \$ 106,666.95 | \$ 213,333.90 |
| Guyed | | | |
| 1 | 160' guyed | \$ 19,743.75 | \$ 19,743.75 |
| 1 | 200' guyed | \$ 22,776.25 | \$ 22,776.25 |
| 1 | 240' guyed | \$ 25,308.75 | \$ 25,308.75 |
| 1 | 280' guyed | \$ 29,245.00 | \$ 29,245.00 |
| 1 | 320' guyed | \$ 31,938.75 | \$ 31,938.75 |
| 1 | 360' guyed | \$ 49,751.25 | \$ 49,751.25 |
| 1 | 400' guyed | \$ 54,698.75 | \$ 54,698.75 |
| 1 | 440' guyed | \$ 57,210.00 | \$ 57,210.00 |
| 4 | 480' guyed | \$ 62,722.50 | \$ 250,890.00 |
| Grand Total | | \$ 1,010,618.44 | \$ 1,585,595.10 |

*Above numbers are sample estimates only. The actual number ordered may be more or less.

EVALUATION SHEET - TOWER ACCESSORIES

Fixed discount price for catalog accessories: 5 %

Quote of above discount applied to the following sample items:

| Estimated Annual Order* | Description | Unit Cost | Total Cost |
|-------------------------|--|-------------------|--------------------|
| 15 | Six (6) foot standard side arms. | \$185.00 | \$2,775.00 |
| 15 | Six (6) foot tapered side arms. | \$225.00 | \$3,375.00 |
| 5 | Safety climb device. | \$700.80 | \$3,504.00 |
| 10 | 300 mm coated red beacon | \$700.00 | \$7,000.00 |
| 10 | Red side light assemble that will accept a 117 watt bulb. | \$65.00 | \$650.00 |
| 6 | Tower section with 12 inch face and 10 feet long (capable of telescoping into adjoining sections.) | \$196.00 | \$1,176.00 |
| 6 | Tower section with 18 inch face and 10 feet long (capable of telescoping into adjoining sections.) | \$429.50 | \$2,577.00 |
| 25 | ¼ inch eye to eye turnbuckles | \$2.75 | \$68.75 |
| 25 | 3/8 inch eye to eye turnbuckles | \$3.90 | \$97.50 |
| 25 | ½ inch eye to eye turnbuckles | \$17.35 | \$433.75 |
| 25 | ¼ inch eye to jaw turnbuckles | \$2.88 | \$72.00 |
| 25 | 3/8 inch eye to jaw turnbuckles | \$5.28 | \$132.00 |
| 25 | ½ inch eye to jaw turnbuckles | \$11.30 | \$282.50 |
| | GRAND TOTAL | \$2,544.76 | \$22,143.50 |

*Above numbers are sample estimates only. The actual number ordered may be more or less.

**Safety Climb systems are height-dependent; the quoted unit is for a 250-foot tower. Call Western Towers for individual quotations at the same markup value.

A F F I D A V I T

West Virginia Code §5A-3-10a states:

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions.

"Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION:

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING:

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: Western Towers

Authorized Signature: 

Date: June 7, 2006

ACORD CERTIFICATE OF LIABILITY INSURANCE

OP ID RR
WESTE-1

DATE (MM/DD/YYYY)
05/15/06

PRODUCER
Mr. Insurance Agency, Inc.
Box 2689
San Angelo TX 76902
Phone: 325-655-6702 Fax: 325-655-2918

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

| INSURERS AFFORDING COVERAGE | NAIC # |
|------------------------------------|--------|
| INSURER A: Addison Insurance Co | |
| INSURER B: Tx Mutual Insurance Co. | |
| INSURER C: Admiral Ins. Co. | |
| INSURER D: ESSEX Insurance Company | |
| INSURER E: | |

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | ADD'L INSRD | TYPE OF INSURANCE | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YY) | POLICY EXPIRATION DATE (MM/DD/YY) | LIMITS |
|----------|-------------|--|---|----------------------------------|-----------------------------------|--|
| C | | GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR INCLUDES CONTRACTUAL LIABILITY, INDEP CONTRAC GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | CA000002550-06 | 01/01/06 | 01/01/07 | EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 |
| A | | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS | 0306 12304174 | 01/01/06 | 01/01/07 | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| | | GARAGE LIABILITY <input type="checkbox"/> ANY AUTO | | | | AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$ |
| D | | EXCESS/UMBRELLA LIABILITY <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$10000 | WU050000704 | 01/01/06 | 01/01/07 | EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ \$ \$ |
| B | | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below | TSP-0001085223 20060110 HAS BLANKET WAIVER END | 01/10/06 | 01/10/07 | WC STATU-TORY LIMITS <input checked="" type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1000000 E.L. DISEASE - EA EMPLOYEE \$ 1000000 E.L. DISEASE - POLICY LIMIT \$ 1000000 |
| D | | OTHER | XMR01801 | 01/01/06 | 01/01/07 | 1,000,000 |
| A | | Cargo | 506 010105 | 01/01/06 | 01/01/07 | 1000 Ded 50,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

CERTIFICATE HOLDER

STATCHA
State of West Virginia
Dept of Administration
Purchasing Division
PO Box 50130
Charleston WV 25305-0130

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Tom Abbott *Thomas M. Abbott*

CREDIT HISTORY

FIRM NAME: Wilbur L. Anderson, Inc. dba Western Towers

PHONE: (325) 658-6539 or (800) 622-6539 **FAX:** (325) 655-1185

ADDRESS: P.O. Box 2040 San Angelo, TX 76902-2040

SHIPPING ADDRESS: 320 West 26th St. San Angelo, TX 76903-2824

LEGAL ENTITY: Corporation

REGISTRATION: Texas

ESTABLISHED: 1945

NAME OF OFFICERS:

Charles A. Anderson 458-76-5410 President 3925 Ransom Rd. San Angelo, TX 76903

Daniel L. Anderson 452-90-7506 Vice Pres 5107 Oriole San Angelo, TX 76903

Donald J. Cheek 464-08-0101 Sec-Treas 1413 Roosevelt St. San Angelo, TX 76903

TYPE OF BUSINESS: Manufacturing

MAJOR PRODUCT: Communications Towers

NAICS CODES: 234920, 332312, 513390

CREDIT REFERENCES:

Hirschfeld Steel Box 3768 San Angelo, TX 76902 (325) 653-3211

Dixie Pre-Cast 2950 Angelette Dr. Austell, GA 30106 (770) 944-1930

Aztec Mfg Box 668 Crowley, TX 76036 (817) 297-4361

Maverick Tube PO Box 110512 Dallas, TX 75391 (214) 212-0661

BANK:

San Angelo National Bank 301 W. Beauregard San Angelo, TX (915) 659-5900

Account #: 63000276669

Commercial Account Loan Officer: Bill Wiedenfeld

FEIN/RESALE NUMBER: 75-1576464

DUNN & BRADSTREET NUMBER: 095213963

RATING: 3A2 (2006)

Date: June 7, 2006

Signature: *Donald J. Cheek*

Title: Controller



Western Towers
Major Customers 2003-2005
(5% or more aggregate sales)

| | | |
|--|------------------|----------------|
| Union Pacific Railroad 1416 Dodge St., Rm #230 Omaha, NE 68179 | Attn: Steve Loyd | (402) 271-3946 |
|--|------------------|----------------|

| | | |
|---|--|----------------|
| BNSF Railways ATTN: Logistics PO Box 8050 Springdale, AR 72788 | | (479) 927-6201 |
|---|--|----------------|

L3 Communications GSI
3750 Center View Dr
Chantilly, VA 20151

| | | |
|---|------------------------|--|
| Millard County Sheriff's Dept 765 S Highway 99 Fillmore, UT 84631 | Attn Lt. Forrest Roper | |
|---|------------------------|--|

| | | |
|---|--------------------|----------------|
| WabTec Corporation 3800 Deramus Ave Kansas City, MO 64120 | Attn: Rick Burnett | (816) 245-5480 |
|---|--------------------|----------------|

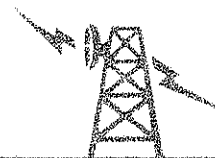
State of West Virginia
Educational Broadcast Authority
Attn: Ron Price
600 Capitol St.
Charleston, WV 25301

American Electric Power
PO Box 201
Tulsa, OK 74102

City of Lubbock, TX
ATTN: Jack Morrison (Radio Shop)
PO Box 2000
Lubbock, TX 79457

| | | |
|---|--|----------------|
| Texas Dept of Transportation Attn: Claire Barry 150 E Riverside Dr, 4th Floor Austin, TX 78704 | | (512) 416-2479 |
|---|--|----------------|

AT&T Government Solutions
PO Box 469
Vienna, VA 22183



WESTERN TOWERS



WESTERN TOWERS

324 WEST 26th STREET • SAN ANGELO, TX 76903

1-800-622-6539 / TEXAS 915-658-6539 / FAX 915-656-1185

To Whom It May Concern:

Western Towers submits the following as proof of ability to complete RFQ BPH60353, the various communications towers requested for the West Virginia BPH Trauma & Emergency Care System.

| <u>User/Station</u> | <u>Address</u> | <u>Contact Name</u> | <u>Telephone #</u> | <u>Tower Height</u> |
|------------------------|---|---------------------|-------------------------------------|--|
| East Carolina Radio | 2401 South Croatan Hwy Nags Head, NC 27959 | Rick Loesch | (252) 449-8331 | 695' guyed tower "Hurricane Proof" |
| Texas Tech University | PO Box 43142 Lubbock, TX 79490 | James McHenry | (806) 742-2761 | 660' guyed precision unique, world-class wind research tower |
| Bergman Comms. | 709 North Tyler Livingston, TX | James Bergman | (936) 327-4220 | 620' guyed comms tower heavily loaded |
| Charter Communication | PO Box 236 Holly Ridge, NC 28445 | David Vanderwyst | (910) 329-1775 | 600 foot guyed "Hurricane Proof" |
| WHTG Tower Corp. | 1129 Hope Rd. Tinton Falls, NJ | Dick Swetits | (732) 493-2881 | 500 foot guyed 8' face, heavy tower |
| Sharp Communications | 3403 Governor's Drive Huntsville, Al 35805 | Tom Sharp | (256) 533-2484 | 500' self supporting very heavy & large |
| KOSA CBS 7 | 4101 E 42nd St, Ste J2 Odessa, TX 79762 | Barry Marks | (915) 580-5672 | 360' self supporting extremely heavy |
| Union Pacific Railroad | 1416 Dodge St, Rm 230 Omaha, NE 68179 | Steve Loyd | (402) 271-3946 C: (402) 203-2830 | 340' guyed microwave heavy microwave tower Plus numerous SS/guyed towers |
| State of West Virginia | 600 Capital St Charleston, WV 25301 | Ron Price | (304) 558-0492 | 330' Public B'cast Twr |
| American Electric Pwr. | PO Box 201 Tulsa, OK 74102 | James Dunbar | (918) 599-2141 C:(918) 527-7239 | 280' heavy self-support located in Pharr, TX |
| Antenna Maintenance | 25617 Old Fredericksburg Rd Boerne, TX 78015 | Al Moriarity | (210) 698-9704 C:(210) 887-1792 | 160' self supporting extremely heavy, used by US Border Patrol |

Charles A. Anderson
President



WESTERN TOWERS

324 WEST 26th STREET • SAN ANGELO, TX 76903

1-800-622-6539 / TEXAS 915-658-6539 / FAX 915-655-1185

Western Towers Customer Reference List

March 2006

Texas Dept of Transportation
125 East 11th St.
Austin, TX 78701

Clare Barry
(512) 463-8585

Texas Dept of Public Safety
5805 North Lamar
Austin, TX 78752

Paula Ramsey
(512) 424-5579

Union Pacific Railroad
1416 Dodge St., Rm #230
Omaha, NE 68179

Steve Loyd
(402) 271-3946

West Virginia, Dept of Administration
2019 Washington St. East
Charleston, WV 23505-0130

Attn: Ron Price
(304) 558-0492

BNSF Railways
PO Box 1738
Topeka, KS 66601

Harvey Bates
(405) 670-7674

Frontier Tower Services
807 11th St.
Levelland, TX 79336

Don Henderson
(806) 894-2190

Antenna Maintenance
25617 Old Fredericksburg Rd.
Boerne, TX 78015

Al Moriarty
(210) 698-9704

TOWER WARRANTY

WESTERN TOWERS guarantees this tower will be built of the finest domestic steel. The leg members will be made of A-36 modified 50 solid steel and the diagonals and girts will be made of A-36 steel. Mill papers are available upon request.


WESTERN TOWERS guarantees this tower will be hot-dip zinc galvanized after manufacture and is protected to the highest degree practicably possible against any form of rust or corrosion. A minimum of two ounces (2 oz.) of zinc coating per square foot will be permanently fused to the base metal construct.

WESTERN TOWERS further guarantees this tower for a period of five (5) full years from the date indicated below. Should any rust or corrosion occur, or should any part of the tower fail as a result of faulty construction or workmanship on the part of Western Towers, then Western Towers will take the steps necessary to bring the product into EIA standards compliance.

This tower and workmanship warranty will be valid from the date indicated below and apply only to the tower specified.

Tower: *(To be filled in once contract is awarded)*

Warranty Expires: *(To be filled in once tower is completed)*

 (Seal)
Charles A. Anderson,
President



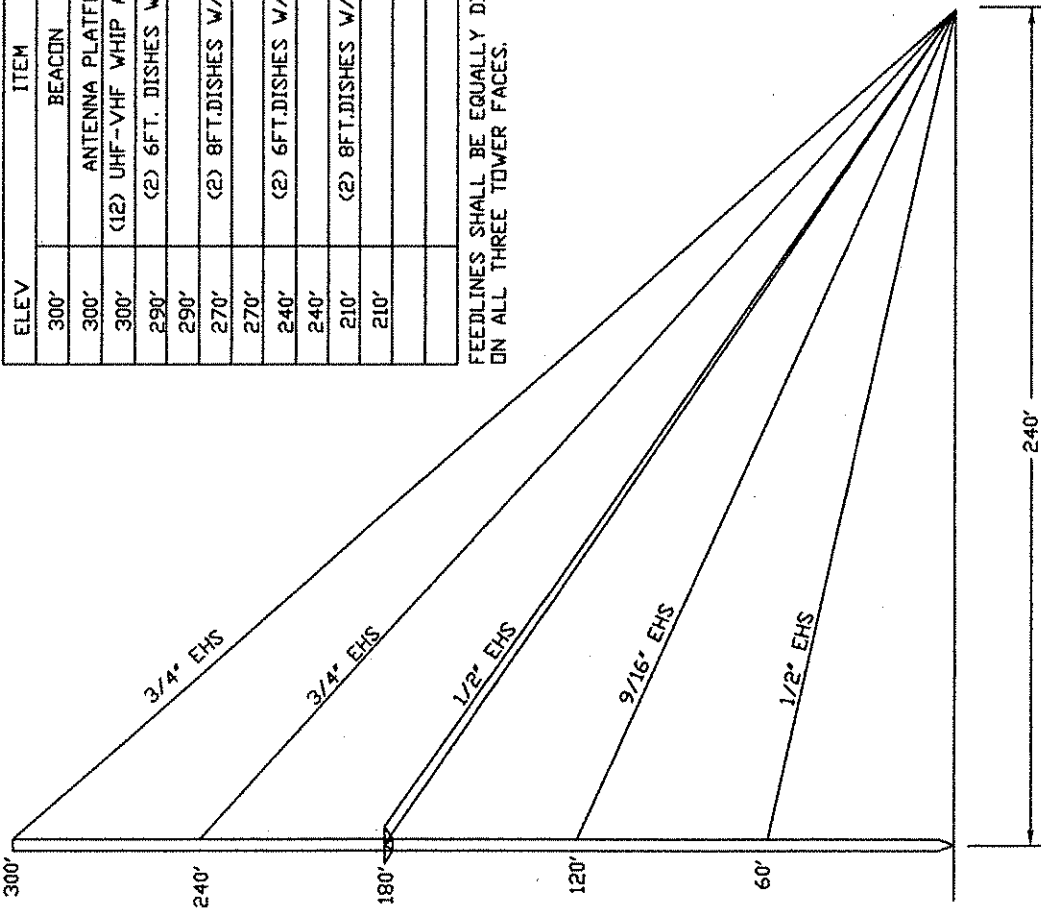
| |
|---------------------|
| SITE: W.V. |
| HEIGHT: 300FT X 42" |
| EIA STANDARD: 222-F |
| WIND: 80MPH BASIC |
| ICE: 1/2" |
| REVISION: |

- NOTES
- DESIGN MEETS THE REQUIREMENTS OF EIA DESIGN STANDARD LISTED ABOVE.
 - LEG STEEL DESIGNED AS 50 KSI YIELD. ALL OTHER STEEL DESIGNED AS ASTM A36.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A 123.
 - ALL CONNECTIONS ARE ANALYZED TO HOLD THE CAPACITY OF THE CONNECTING MEMBERS.
 - ALL CONNECTIONS (WELDED AND BOLTED) SHALL CONFORM TO AISC "MANUAL OF STEEL CONSTRUCTION" LATEST EDITION.

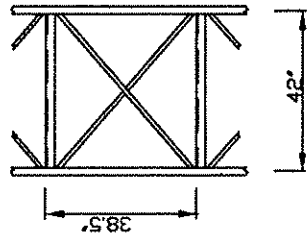
| | |
|-----------------------|------------------|
| WESTERN TOWERS | |
| 324 W. 26 ST | |
| SAN ANGELO, TX 76903 | |
| PROJECT NO. | 4025 |
| TITLE | TOWER DATA SHEET |
| BY: DLA | DATE: |
| FOR BID PURPOSES | |
| DWG. NO. 4025DS | PAGE 1 OF 1 |

| ELEV | ITEM | LINE |
|------|--------------------------|-------------|
| 300' | BEACON | CONDUIT |
| 300' | ANTENNA PLATFORM | ***** |
| 300' | (12) UHF-VHF WHIP ANT. | (12) 1 3/8" |
| 290' | (2) 6FT. DISHES W/RADOME | ***** |
| 290' | (2) 8FT. DISHES W/RADOME | ***** |
| 270' | (2) 6FT. DISHES W/RADOME | ***** |
| 240' | (2) 8FT. DISHES W/RADOM | ***** |
| 210' | | |
| 210' | | |

FEEDLINES SHALL BE EQUALLY DISTRIBUTED ON ALL THREE TOWER FACES.



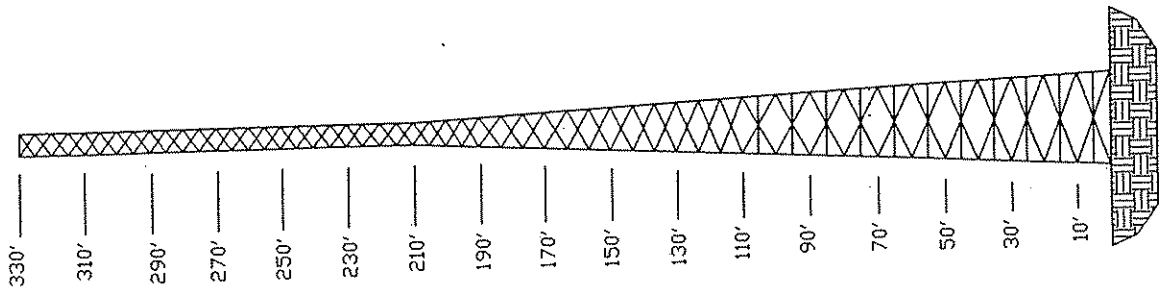
| | | | |
|------|--------|----------------|----------------|
| 200' | 2 1/4" | 2 X 2 X 3/16 | HORIZ. (36KSI) |
| 160' | 2 1/4" | 5/8" S.R. | DIAG. (36KSI) |
| | | 2" SOLID ROUND | LEG (50KSI) |



USE FOR FABRICATION

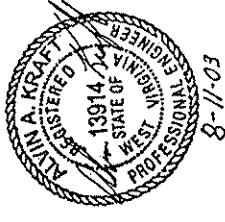
LOADS

| ELEV. | ITEM | LINE |
|-----------|------------------|-------|
| 230'-340' | ERI 12-BAY FM | 3 1/8 |
| 265' | 8' DISH W/RADOME | EW63 |
| 200' | 1'X3' ENG PANEL | 1 5/8 |
| 196' | 8' DISH W/RADOME | EW63 |
| 100' | 8' GRID | 1 5/8 |
| 60' | 8' DISH W/RADOME | EW63 |
| 50' | 8' DISH W/RADOME | EW63 |



| ELEVATION | TOP WIDTH | BASE WIDTH | LEG | DIAGONAL |
|-----------|-----------|------------|----------|------------------------|
| 310'-330' | 6'-6" | 6'-6" | 1 3/4" Ø | 2 1/2" X 2 1/2" X 3/16 |
| 290'-210' | 6'-6" | 6'-6" | 2" Ø | 2 1/2" X 2 1/2" X 3/16 |
| 270'-290' | 6'-6" | 6'-6" | 2 1/4" Ø | 2 1/2" X 2 1/2" X 3/16 |
| 250'-270' | 6'-6" | 6'-6" | 2 1/2" Ø | 2 1/2" X 2 1/2" X 1/4 |
| 230'-250' | 6'-6" | 6'-6" | 3" Ø | 2 1/2" X 2 1/2" X 1/4 |
| 210'-230' | 6'-6" | 6'-6" | 3 1/2" Ø | 2 1/2" X 2 1/2" X 1/4 |
| 190'-210' | 6'-6" | 8'-6" | 3 1/2" Ø | 2 1/2" X 2 1/2" X 1/4 |
| 170'-190' | 8'-6" | 10'-6" | 3 3/4" Ø | 3 X 3 X 3/16 |
| 150'-170' | 10'-6" | 12'-6" | 4" Ø | 3 X 3 X 3/16 |
| 130'-150' | 12'-6" | 14'-6" | 4" Ø | 3 X 3 X 3/16 |
| 110'-130' | 14'-6" | 16'-6" | 4" Ø | 3 X 3 X 1/4 |
| 90'-110' | 16'-6" | 18'-6" | 4" Ø | 3 1/2" X 3 1/2" X 1/4 |
| 70'-90' | 18'-6" | 20'-6" | 4" Ø | 4 X 4 X 1/4 |
| 50'-70' | 20'-6" | 22'-6" | 4" Ø | 4 X 4 X 1/4 |
| 30'-50' | 22'-6" | 24'-6" | 4 1/4" Ø | 5 X 5 X 5/16 |
| 10'-30' | 24'-6" | 26'-6" | 4 1/4" Ø | 5 X 5 X 5/16 |
| 0'-10' | 26'-6" | 27'-6" | 4 1/4" Ø | 5 X 5 X 5/16 |

- NOTES
- DESIGN MEETS THE REQUIREMENTS OF EIA DESIGN STANDARD LISTED ABOVE.
 - LEG MATERIAL SHALL BE MINIMUM 50 KSI YIELD DIAGONAL, HORIZONTAL AND GUSSET MATERIAL SHALL BE MINIMUM OF 36 KSI YIELD.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A 123.
 - ALL CONNECTIONS SHALL BE DESIGNED TO HOLD THE CAPACITY OF THE CONNECTING MEMBERS.
 - ALL CONNECTIONS (WELDED AND BOLTED) SHALL CONFORM TO AISC "MANUAL OF STEEL CONSTRUCTION" LATEST EDITION.
 - IF ANY ITEM OF THE COMPLETED STRUCTURE VARIES FROM WHAT IS SHOWN ON THIS DRAWING THE CERTIFICATION BY TOWERKRAFT ENGINEERING SHALL BE CONSIDERED INVALID.
 - THE DESIGN OF THIS STRUCTURE INCLUDES THE FEEDLINES EQUALLY MOUNTED TO ALL THREE TOWER FACES.



WESTERN TOWERS
324 W. 26 ST
SAN ANGELO, TX 76903

| | |
|--|-------------|
| TOWERKRAFT PROJECT NO. | 4563 |
| TITLE: TOWER DATA SHEET | |
| TOWERKRAFT ENGINEERING 323 HENDERSON STREET SAN ANGELO, TX 76901 | BY: AAK |
| DATE: 7-26-03 | PAGE 1 OF 1 |
| DWG. NO. 4563DS | |

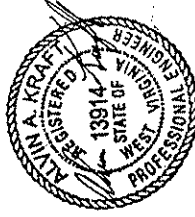
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CD-ROM
ARCHIVED ON

NOTES:

1. CONCRETE SHALL OBTAIN 3000PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. ANCHOR BOLTS SHALL BE 1 1/4" ASTM A325 STEEL SUPPLIED WITH THREE EACH GALVANIZED HH NUTS AND WASHERS. WASHERS SHALL CONFORM TO ASTM A436. NUTS SHALL CONFORM TO ASTM A563 GRADE 'A' OR BETTER. TOP 14' OF ANCHOR BOLT SHALL BE HOT DIPPED GALVANIZED. GALVANIZING SHALL CONFORM TO ASTM A153.
3. ALL REBAR SHALL HAVE A MINIMUM OF 3' CONCRETE COVER AND SHALL CONFORM TO THE ASTM A615 GRADE SPECIFIED.
4. THE SOIL PROPERTIES FOR THIS DESIGN HAVE BEEN INTERPRETED FROM THE BORING LOGS PROVIDED BY THE WEST VIRGINIA DIVISION OF HIGHWAYS.
5. 20.8 C.Y. CONCRETE REQUIRED PER DRILLED PIER. 62.2 C.Y. OF CONCRETE REQUIRED THIS SITE.

BASE REACTIONS:

MAX. UPLIFT = 353.7 KIPS/LEG
 MAX COMPRESSION = 433.8 KIPS/LEG
 MAX SHEAR = 35.7 KIPS/LEG.



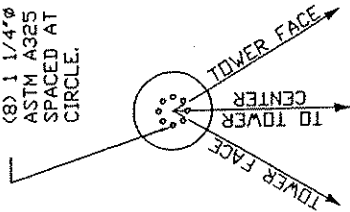
SITE: CHARLESTON, WV

WESTERN TOWERS
 SAN ANGELO, TX 76903
 (915) 658-06539

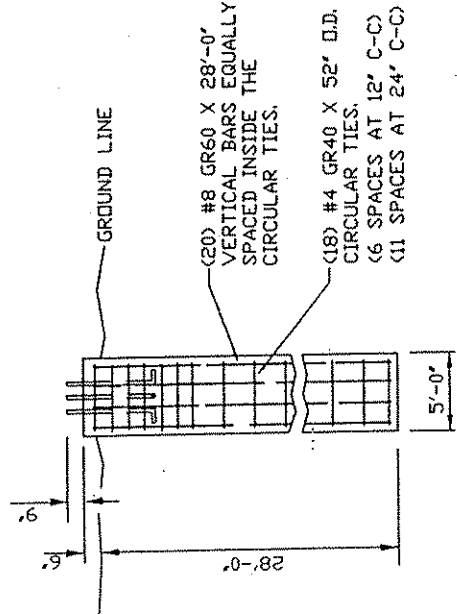
| |
|--|
| TOWERCRAFT PROJECT NO. 4563 |
| TITLE FOUNDATION - 330' SS TOWER |
| TOWERCRAFT ENGINEERING BY: AAK |
| 323 NIDBARKA STREET ALLAMORE, NE 68301 DATE: 8-09-03 |
| (308) 768-5882 |
| DWG. NO. 4563-F PAGE 1 OF 1 |

NO SCALE

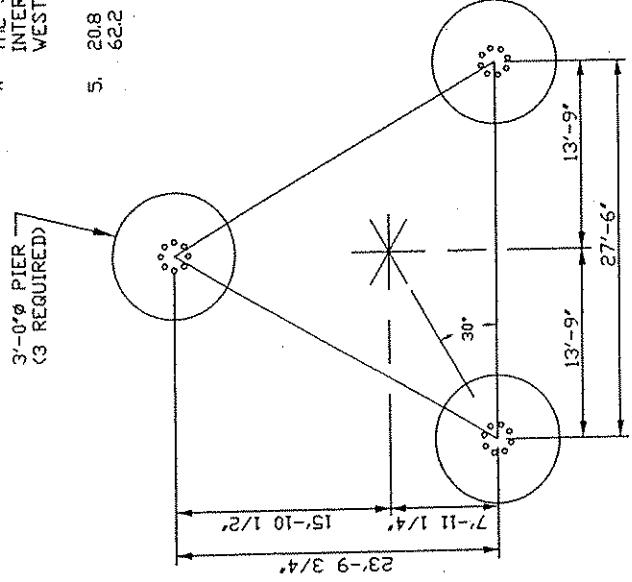
(8) 1 1/4" x 60" x 6' HOOK
 ASTM A325 ANCHOR BOLTS
 SPACED AT 45° ON A 10" Ø
 CIRCLE.



TOP VIEW
 (ONE PIER ONLY)

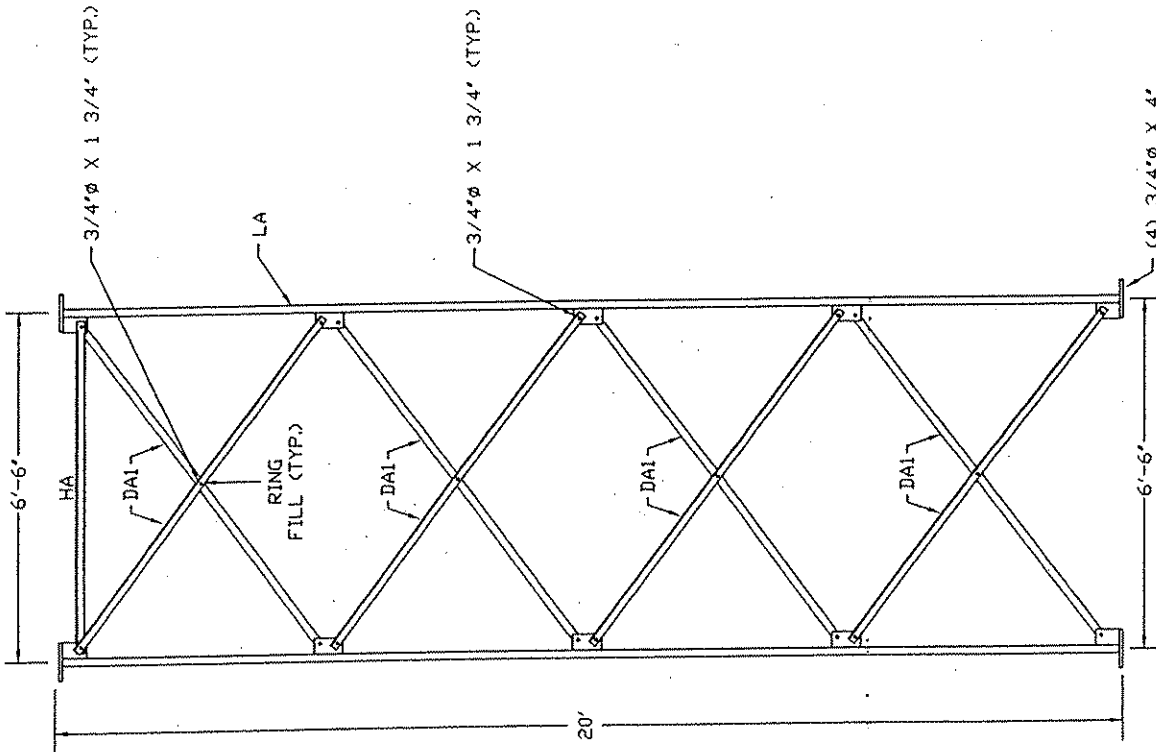


SIDE VIEW
 (ONE PIER ONLY)



FOUNDATION PLAN

ELEVATION 310'-330' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|---------------------------------------|--------|
| LA | 3 | 1 3/4" S.R. LEG WELDMNT | 712 |
| DA1 | 24 | 2 1/2" X 2 1/2" X 3/16" X 7'-8 11/16" | 610 |
| | 60 | 3/4" BOLT X 1 3/4" LONG W/LK & NUT | |
| | 12 | 3/4" BOLT X 4" LONG W/LK & NUT | |
| | 12 | 13/16" I.D. X 3/8" THICK RING FILL | |
| | | TOTAL | 1321# |

WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV.

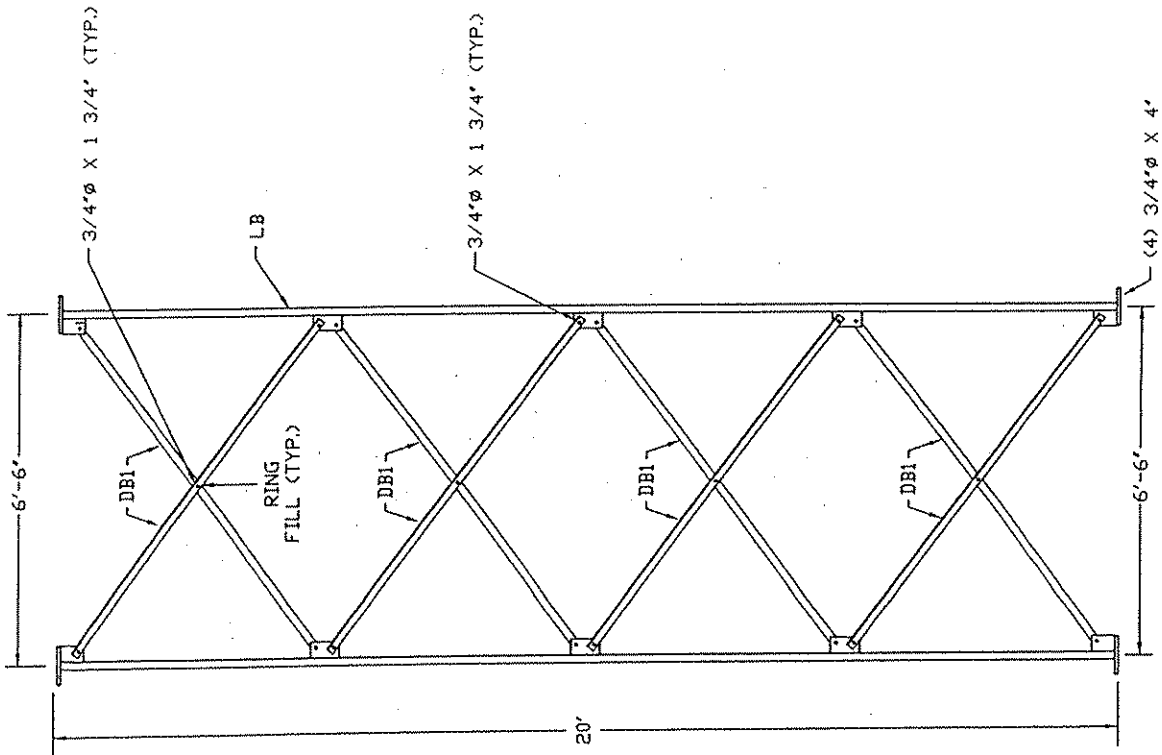
NOTES:

1. LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH. ALL OTHER STEEL SHALL BE 36 KSI YIELD.
2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
3. ALL WELDS SHALL BE PER A.W.S. D11.
4. ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

| |
|--|
| TOVERKRAFT PROJECT NO. 4563 |
| TITLE SECTION - A |
| TOVERKRAFT ENGINEERING BY: AAK |
| 323 NIDBRARA STREET ALLIANCE, NC 69301 DATE: 7-26-03 |
| DWG. NO. 4563A PAGE 1 OF 1 |

ELEVATION 290'-310' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|------------------------------------|--------|
| LB | 3 | 2" S.R. LEG WELDMENT | 930 |
| DBI | 24 | 2 1/2" X 2 1/2" X 3/16" | 610 |
| | 60 | 3/4" BOLT X 1 3/4" LONG W/LK & NUT | |
| | 12 | 3/4" BOLT X 4" LONG W/LK & NUT | |
| | 12 | 13/16" I.D. X 3/8" THICK RING FILL | |
| WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV. | | | TOTAL |
| | | | 1540# |

NOTES:

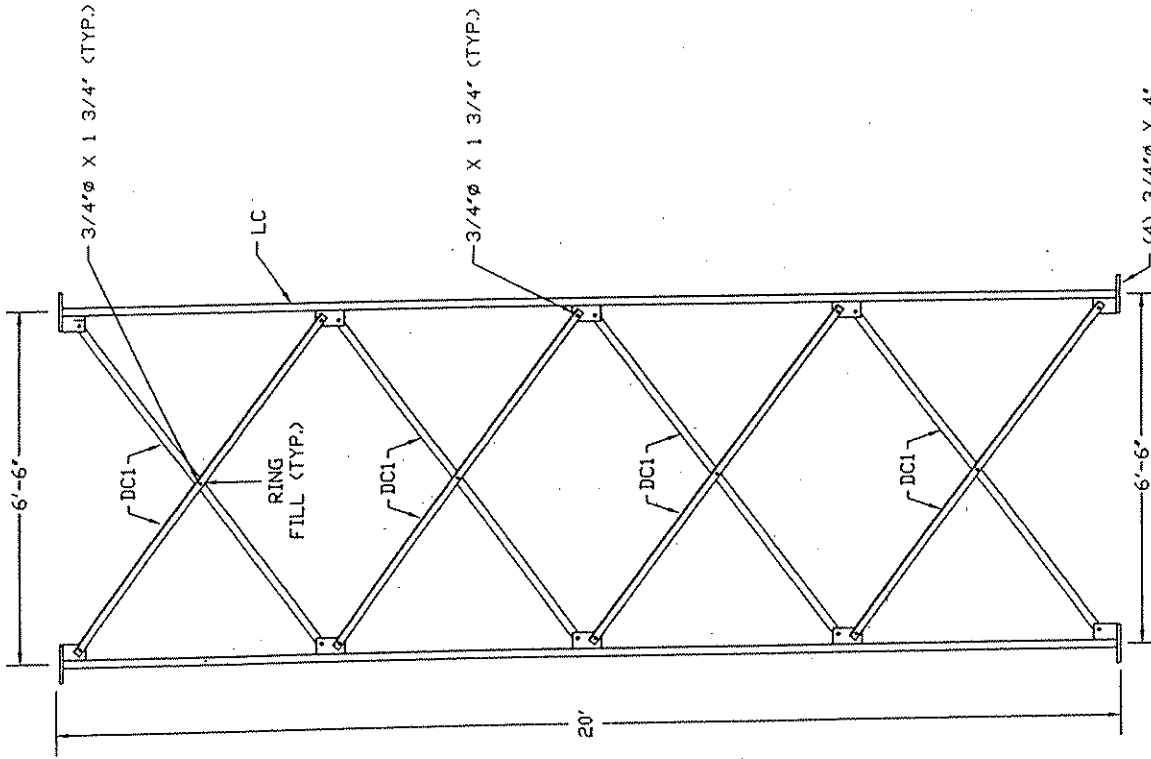
1. LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH. ALL OTHER STEEL SHALL BE 36 KSI YIELD.
2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
3. ALL WELDS SHALL BE PER A.W.S. D11.
4. ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS

324 W. 26 ST
SAN ANGELO, TX 76903

| |
|--|
| TOWERCRAFT PROJECT NO. 4563 |
| TITLE SECTION - B |
| TOWERCRAFT ENGINEERING 323 MIDBREA STREET ALLIANCE, NE 65301 (308) 762-5002 |
| BY: AAK |
| DATE: 7-26-03 |
| DWG. NO. 4563B PAGE 1 OF 1 |

ELEVATION 270'-290' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|------------------------------------|--------|
| LC | 3 | 2 1/4" S.R. LEG WELDMENT | 1106 |
| DC1 | 24 | 2 1/2" X 2 1/2" X 3/16 | 510 |
| | 60 | 3/4" BOLT X 1 3/4" LONG W/LK & NUT | |
| | 12 | 3/4" BOLT X 4" LONG W/LK & NUT | |
| | 12 | 13/16" I.D. X 3/8" THICK RING FILL | |
| | | TOTAL | 1716# |

WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV.

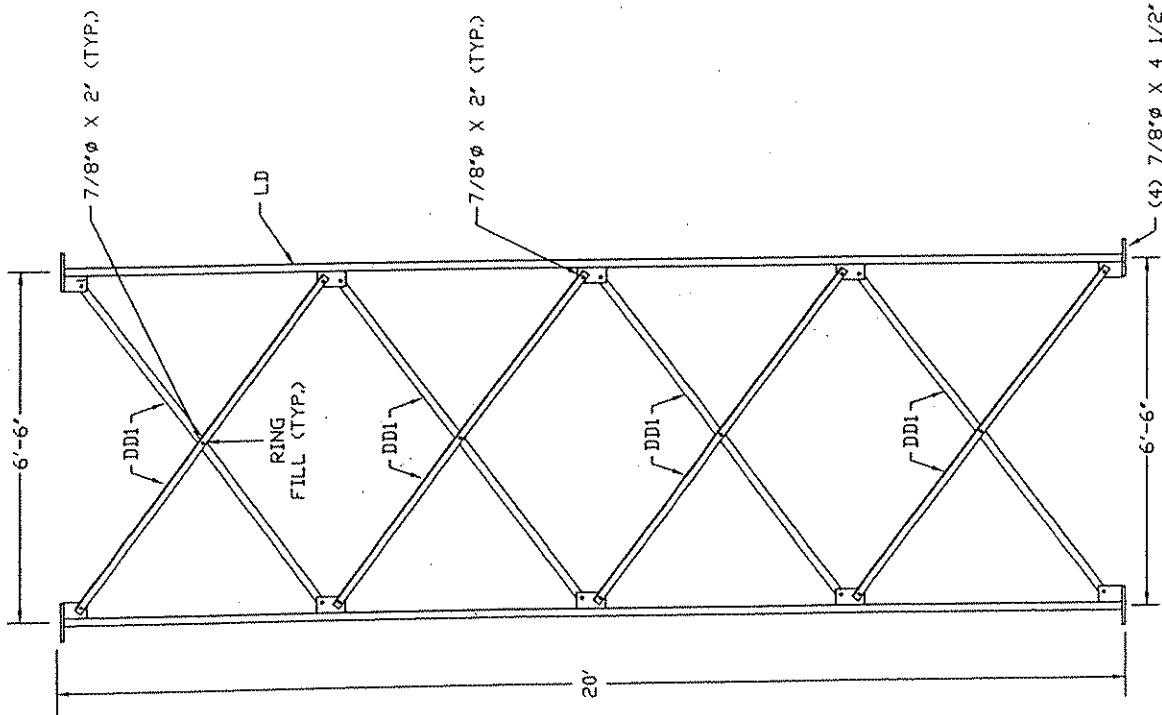
NOTES:

- LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH. ALL OTHER STEEL SHALL BE 36 KSI YIELD.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
- ALL WELDS SHALL BE PER A.W.S. D11.
- ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

| |
|---|
| TOWERKRAFT PROJECT NO. 4563 |
| TITLE SECTION - C |
| TOWERKRAFT ENGINEERING 323 MIDBRASS STREET ALLIANCE, NE 69301 (308) 762-5002 |
| BY: AAK |
| DATE: 7-26-03 |
| DWG. NO. 4563C PAGE 1 OF 1 |

ELEVATION 250'-270' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|------------------------------------|--------|
| LD | 3 | 2 1/2" S.R. LEG WELDMENT | 1736 |
| DDI | 24 | 2 1/2" X 2 1/2" X 1/4" | 815 |
| | 60 | 7/8" BOLT X 2' LONG W/LK & NUT | |
| | 12 | 7/8" BOLT X 4 1/2" LONG W/LK & NUT | |
| | 12 | 15/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL | | | 2550# |

WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV.

NOTES:

- LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH. ALL OTHER STEEL SHALL BE 36 KSI YIELD.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
- ALL WELDS SHALL BE PER A.W.S. D11.
- ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

TOWERKRAFT PROJECT NO. 4563

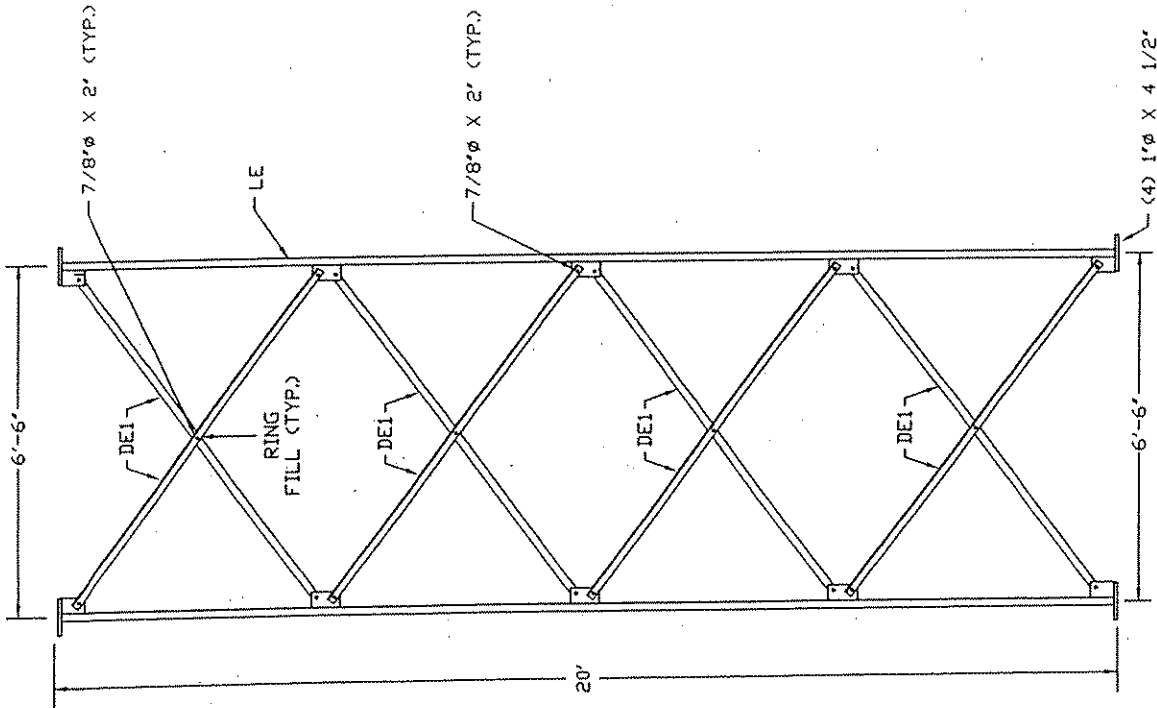
TITLE SECTION - D

TOWERKRAFT ENGINEERING
 323 MIDBRARA STREET
 ALLIANCE, NE 69301
 (3887) 762-5882

BY: AAK
 DATE: 7-26-03

DWG. NO. 4563D PAGE 1 OF 1

ELEVATION 230'-250' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|------------------------------------|--------|
| LE | 3 | 3"φ S.R. LEG WELDMENT | 1912 |
| DE1 | 24 | 2 1/2" X 2 1/2" X 1/4" | 815 |
| | 60 | 7/8"φ BOLT X 2' LONG W/LK & NUT | |
| | 12 | 1"φ BOLT X 4 1/2' LONG W/LK & NUT | |
| | 12 | 15/16" I.D. X 3/8" THICK RING FILL | |
| WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV. | | | TOTAL |
| | | | 2727# |

NOTES:

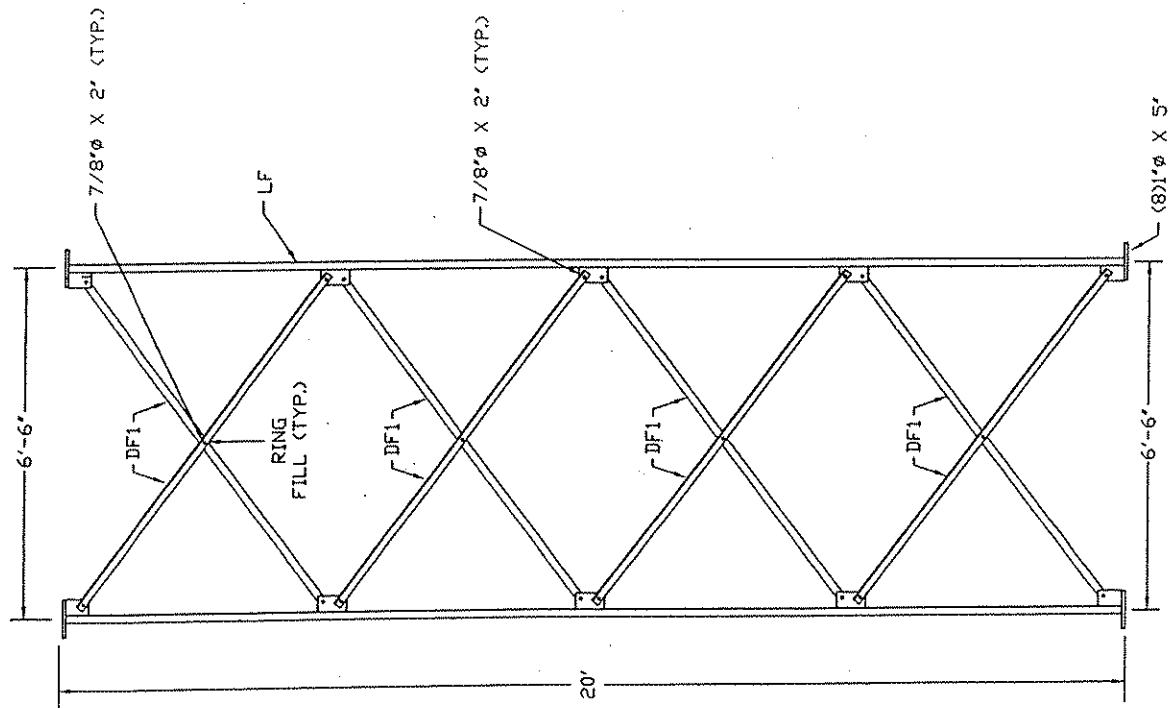
- LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH. ALL OTHER STEEL SHALL BE 36 KSI YIELD.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
- ALL WELDS SHALL BE PER A.W.S. D1.1.
- ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS

324 W. 26 ST
SAN ANGELO, TX 76903

| | |
|---|-------------|
| TOWERKRAFT PROJECT NO. | 4563 |
| TITLE | SECTION - E |
| TOWERKRAFT ENGINEERING 323 MIDBRARA STREET ALLIANCE, NE 69301 (308) 762-5002 | BY: AAK |
| DWG. NO. | 4563E |
| PAGE | 1 |
| OF | 1 |

ELEVATION 210'-230' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|------------------------------------|--------|
| LF | 3 | 3 1/2" S.R. LEG WELDMENT | 2453 |
| DF1 | 24 | 2 1/2" X 2 1/2" X 1/4" | 815 |
| | 60 | 7/8" BOLT X 2' LONG W/LK & NUT | |
| | 24 | 1" BOLT X 5' LONG W/LK & NUT | |
| | 12 | 15/16" I.D. X 3/8" THICK RING FILL | |
| WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV. | | | TOTAL |
| | | | 3268# |

- NOTES:
- LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH, ALL OTHER STEEL SHALL BE 36 KSI YIELD.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.W.S. D1.1.
 - ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

TOVERKRAFT PROJECT NO. 4563

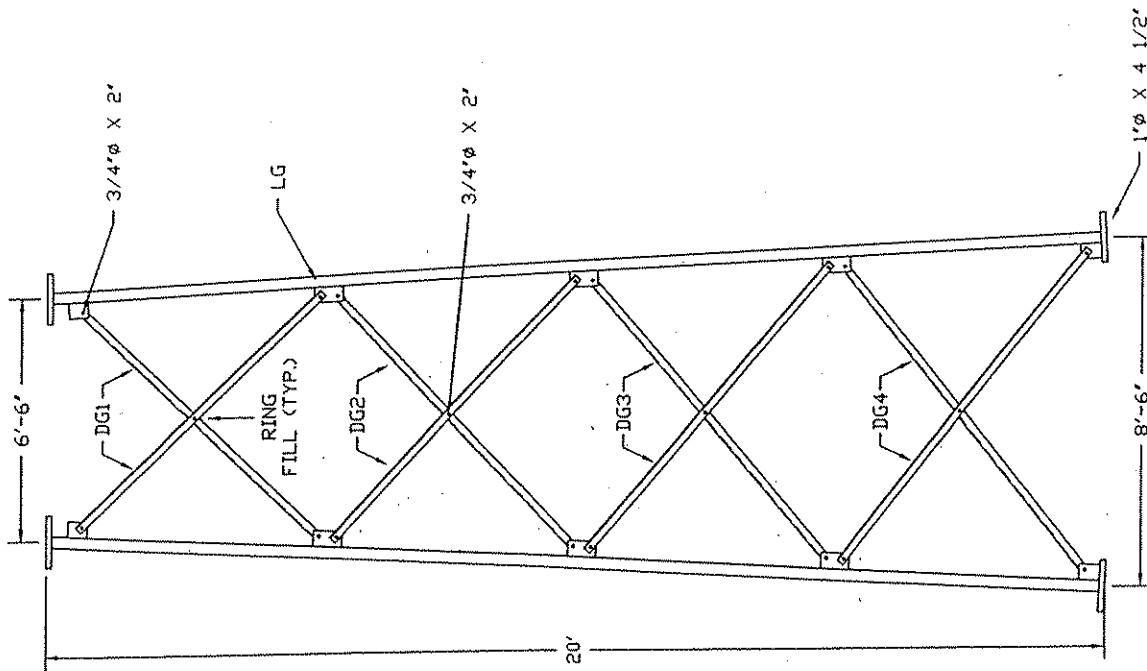
TITLE SECTION - F

TOVERKRAFT ENGINEERING
 323 MIDBARRA STREET
 ALLIANCE, NE 69301
 (308) 762-5002

BY: AAK
 DATE: 7-26-03

DWG. NO. 4563F PAGE 1 OF 1

ELEVATION 190'-210' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|--|------|---|--------|
| LG | 3 | 3 1/2" ϕ S.R. LEG WELDMENT | 2360 |
| DG1 | 6 | 2 1/2" X 2 1/2" X 1/4" X 8'-0" 13/16" | 195 |
| DG2 | 6 | 2 1/2" X 2 1/2" X 1/4" X 8'-2" 5/8" | 202 |
| DG3 | 6 | 2 1/2" X 2 1/2" X 1/4" X 8'-7" 1/2" | 212 |
| DG4 | 6 | 2 1/2" X 2 1/2" X 1/4" X 8'-10" 5/16" | 218 |
| | 60 | 3/4" ϕ BOLT X 2" LONG W/LK & NUT | |
| | 24 | 1" ϕ BOLT X 5 1/2" LONG W/LK & NUT | |
| | 12 | 13/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL WEIGHT INCREASED BY 7% FOR GALVANIZING | | | TOTAL |
| | | | 3290 |

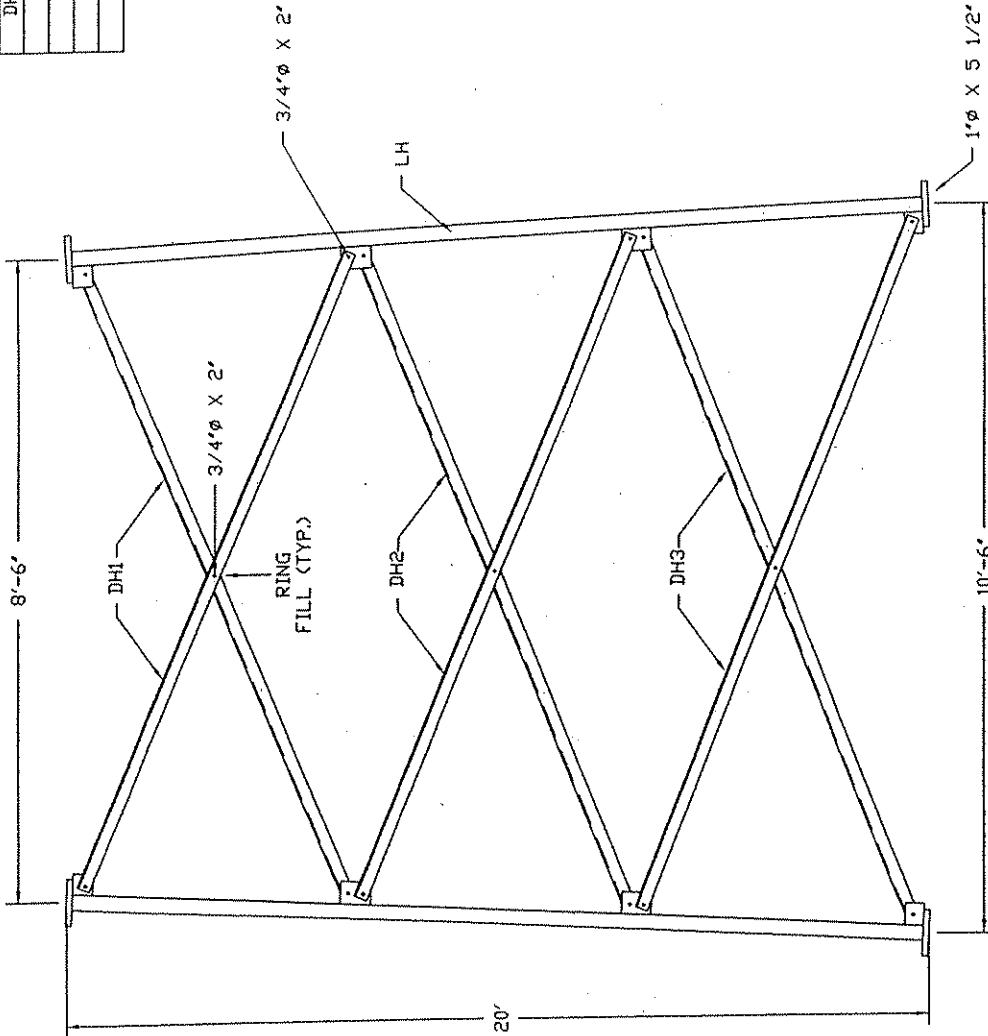
NOTES:

- LEG STEEL AND FLANGE PLATE MATERIAL SHALL BE 50 KSI YIELD STRENGTH, ALL OTHER STEEL SHALL BE 36 KSI YIELD.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
- ALL WELDS SHALL BE PER A.W.S. D1.1.
- ALL BOLTS SHALL BE ASTM A325.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

| | |
|---|-------------------|
| TOWERKRAFT PROJECT NO. 4563 | TITLE SECTION - G |
| BY: AAK | DATE: 8-9-03 |
| 323 NIDBRARA STREET ALLIANCE, NE 69301 (308) 762-5002 | DWG. NO. 4563G |
| PAGE 1 | DF 1 |

ELEVATION 170'-190' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|---------------------------------------|------------|
| LH | 3 | 3/4"Ø S.R. LEG WELDMNT | 2730 |
| DH1 | 6 | 3 X 3 X 3/16 X 10'-3 3/4' | 230 |
| DH2 | 6 | 3 X 3 X 3/16 X 10'-10" | 242 |
| DH3 | 6 | 3 X 3 X 3/16 X 11'-4 7/16" | 253 |
| | 45 | 3/4"Ø BOLT X 2' LONG W/LK & NUT | |
| | 24 | 1 1/4"Ø BOLT X 5 1/2' LONG W/LK & NUT | |
| | 9 | 13/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL WEIGHT IS INCREASED BY 7% FOR GALV. | | | TOTAL 3697 |

NOTES:

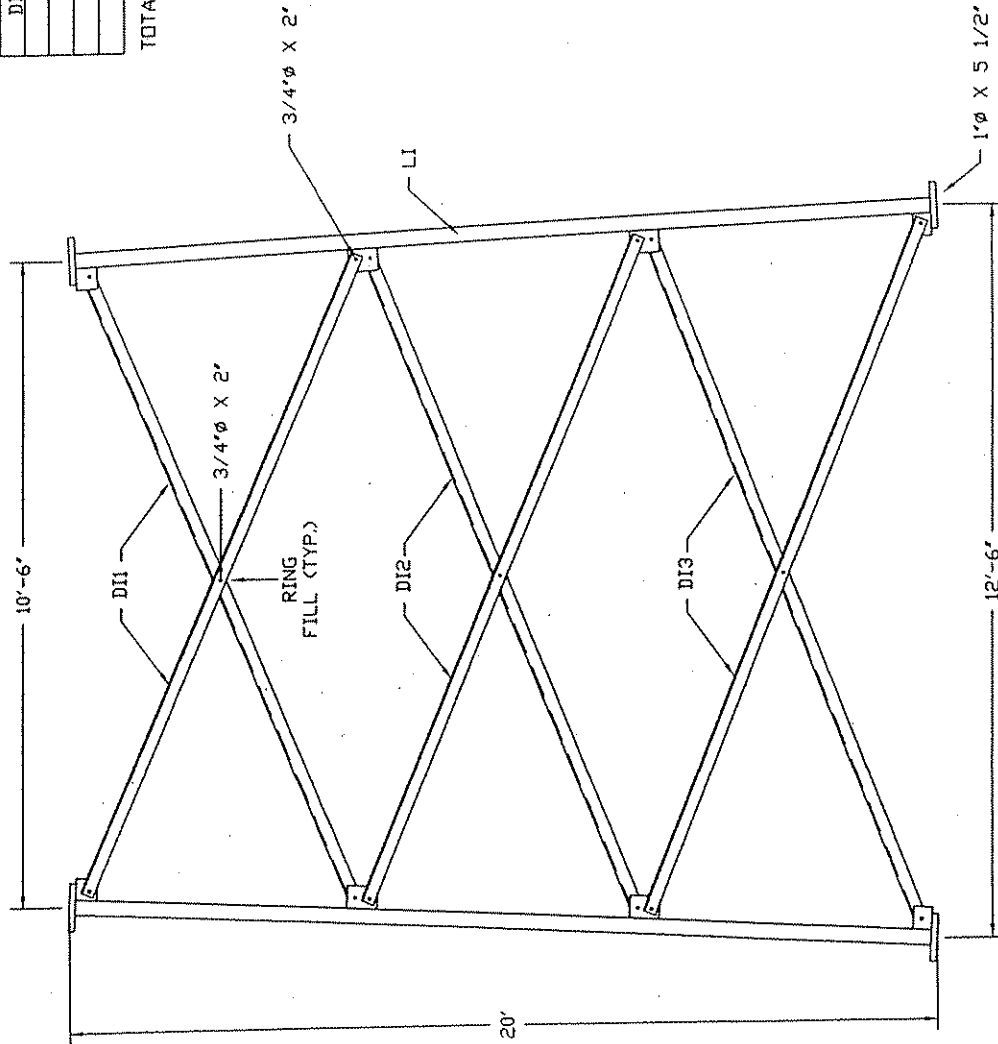
1. LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
3. ALL WELDS SHALL BE PER A.W.S. D11.

WESTERN TOWERS

324 W. 26 ST
SAN ANGELO, TX 76903

| | |
|-----------------------------|-------------------|
| TOWERKRAFT PROJECT NO. 4563 | TITLE SECTION - H |
| DWG. NO. 4563H | BY: AAK |
| PAGE 1 | DATE: 8-09-03 |
| OF 1 | |

ELEVATION 150'-170' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|------------------------------------|--------|
| LI | 3 | 4" x 2" L.G. WELDMENT | 3033 |
| D11 | 6 | 3 x 3 x 3/16 x 11'-11 7/8" | 267 |
| D12 | 6 | 3 x 3 x 3/16 x 12'-6 3/16" | 279 |
| D13 | 6 | 3 x 3 x 3/16 x 13'-0 15/16" | 291 |
| | 45 | 3/4" BOLT X 2' LONG W/LK & NUT | |
| | 24 | 1" BOLT X 5 1/2' LONG W/LK & NUT | |
| | 9 | 13/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL | | | 4141 |

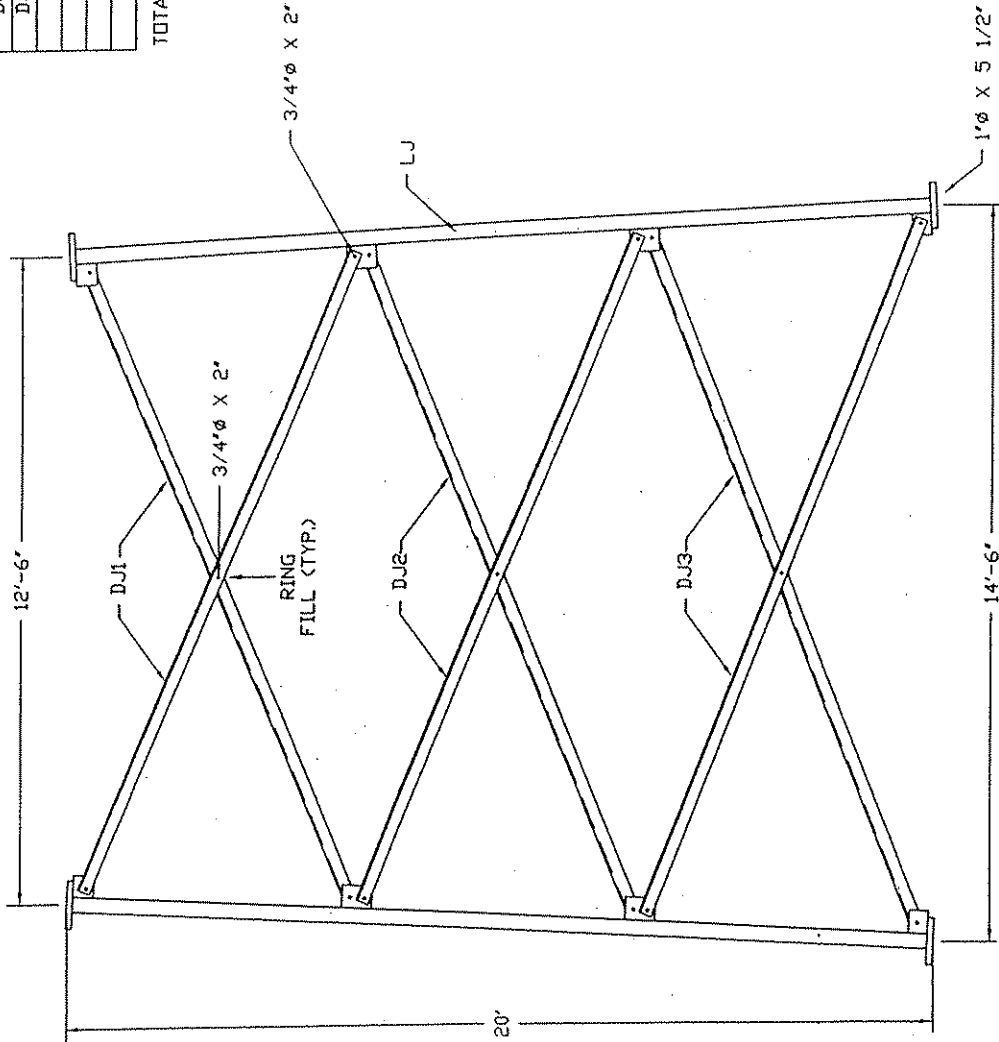
TOTAL WEIGHT SHOWN IS INCREASED BY 7% FOR GALV.

- NOTES:
1. LEG STEEL SHALL BE SOKSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 3. ALL WELDS SHALL BE PER A.W.S. D11.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

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| TOWERCRAFT PROJECT NO. 45631 | |
| TITLE SECTION - I | |
| TOWERCRAFT ENGINEERING 333 NIDDERARA STREET ALLIANCE, NE 69301 C3087 762-5002 | BY: AAK |
| DWG. NO. 45631 | DATE: 8-09-03 |
| PAGE 1 | OF 1 |

ELEVATION 130'-150' ASSEMBLY



MATERIAL LIST

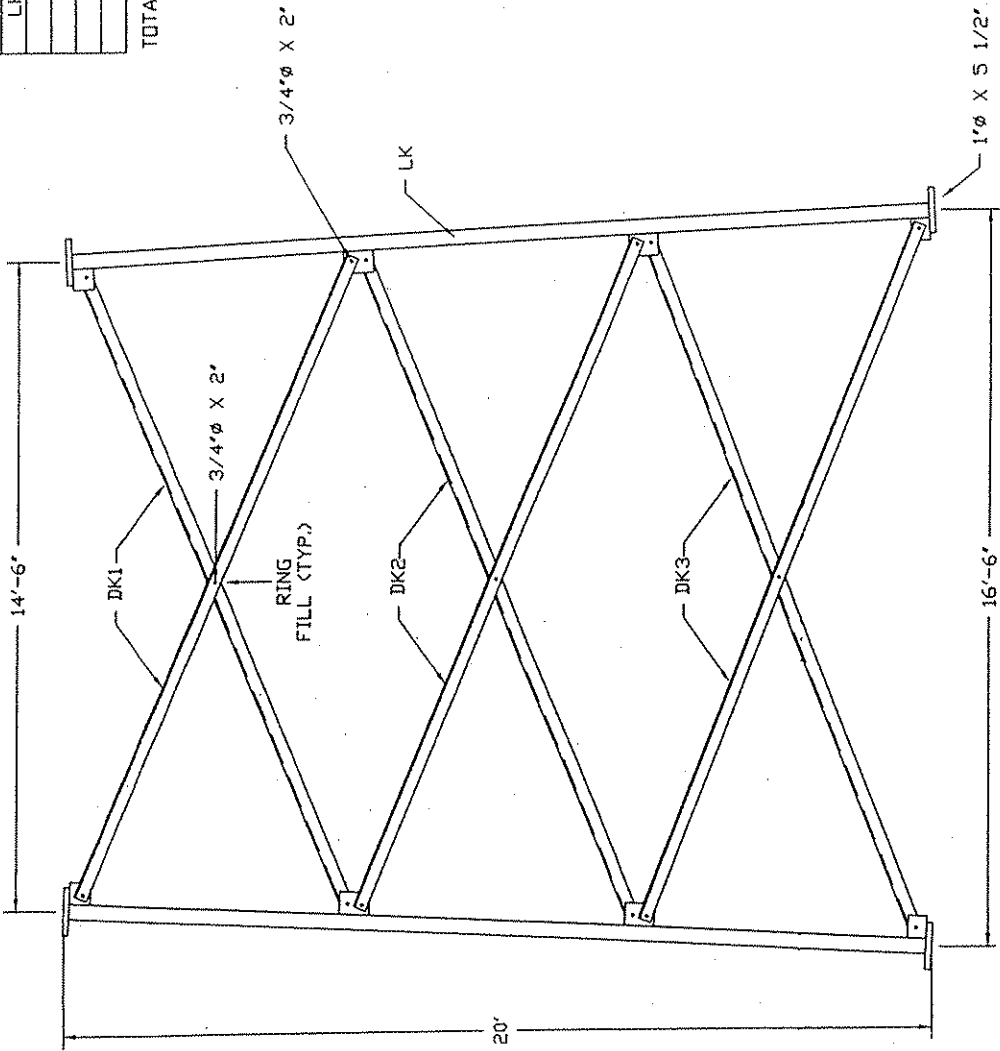
| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|------------------------------------|--------|
| LJ | 3 | 4" S.R. LEG WELDMENT | 3033 |
| DJ1 | 6 | 3 X 3 X 3/16 X 13'-8 9/16" | 305 |
| DJ2 | 6 | 3 X 3 X 3/16 X 14'-3 1/2" | 318 |
| DJ3 | 6 | 3 X 3 X 3/16 X 14'-10 1/2" | 331 |
| | 45 | 3/4" BOLI X 2' LONG W/LK & NUT | |
| | 24 | 1" BOLI X 5 1/2' LONG W/LK & NUT | |
| | 9 | 13/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL WEIGHT SHOWN IS INCREASED BY 7% FOR GALV. | | | TOTAL |
| | | | 4266 |

- NOTES:
- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH, ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.V.S. D.I.I.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

| | |
|---|---------------|
| TOWERKRAFT PROJECT NO. 4563 | |
| TITLE SECTION - J | |
| TOWERKRAFT ENGINEERING 323 NIOBRARA STREET ALLIANCE, NE 69301 (308) 762-5002 | BY: AAK |
| DWG. NO. 4563J | DATE: 8-09-03 |
| PAGE 1 | OF 1 |

ELEVATION 110'-130' ASSEMBLY



TOTAL WEIGHT SHOWN IS INCREASED BY 7% FOR GALV.

| MATERIAL LIST | | | WEIGHT |
|---------------|------|------------------------------------|--------|
| PART NO. | QTY. | DESCRIPTION | |
| LK | 3 | 4"Ø S.R. LEG WELDMENT | 3033 |
| LK1 | 6 | 3 X 3 X 1/4 X 15'-6 7/16' | 457 |
| LK2 | 6 | 3 X 3 X 1/4 X 16'-1 1/2' | 474 |
| LK3 | 6 | 3 X 3 X 1/4 X 16'-8 5/8' | 492 |
| | 45 | 3/4"Ø BOLT X 2' LONG W/LK & NUT | |
| | 24 | 1"Ø BOLT X 5 1/2' LONG W/LK & NUT | |
| | 9 | 13/16" I.D. X 3/8" THICK RING FILL | |
| TOTAL | | | 4768 |

NOTES:
 1. LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 3. ALL WELDS SHALL BE PER A.W.S. D11.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

TOWERKRAFT PROJECT NO. 4563

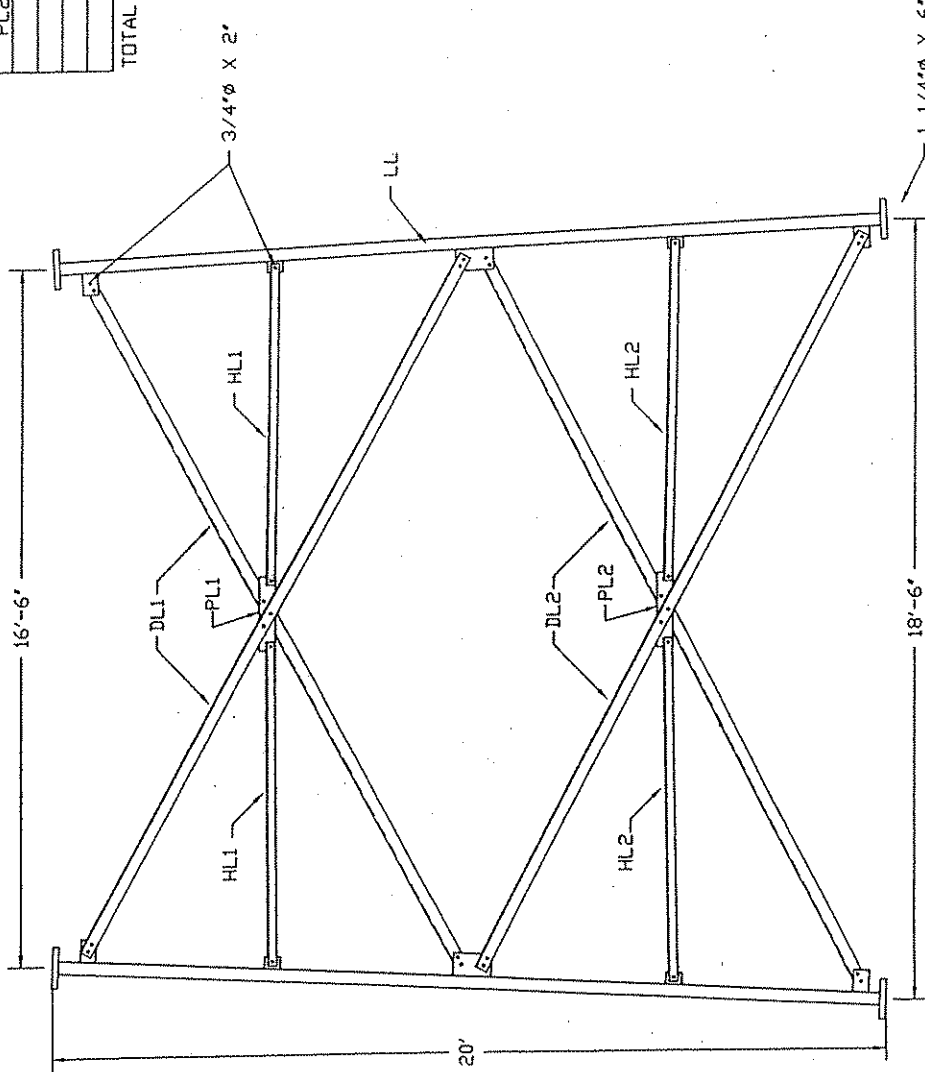
TITLE SECTION - K

TOWERKRAFT ENGINEERING
 323 MIDBARRA STREET
 ALLIANCE, NE 69301
 (308) 782-3092

BY: AAK
 DATE: 8-09-03

DWG. NO. 4563K PAGE 1 OF 1

ELEVATION 90'-110' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|---|------|------------------------------------|--------|
| LL | 3 | 4" S.R. LEG WELDMENT | 3033 |
| DL1 | 6 | 3 1/2 X 3 1/2 X 1/4 X 18'-8 15/16' | 652 |
| DL2 | 6 | 3 1/2 X 3 1/2 X 1/4 X 19'-6 1/2' | 680 |
| HL1 | 6 | 2 1/2 X 2 1/2 X 1/4 X 7'-7 1/16' | 199 |
| HL2 | 6 | 2 1/2 X 2 1/2 X 1/4 X 8'-1' | 214 |
| PL1 | 3 | 3/8" GUSSET PLATE | 30 |
| PL2 | 3 | 3/8" GUSSET PLATE | 30 |
| | 90 | 3/4" BOLT X 2" LONG W/LK & NUT | |
| | 24 | 1 1/4" BOLT X 6" LONG W/LK & NUT | |
| TOTAL WEIGHT IS INCREASED BY 7% FOR GALV. | | | TOTAL |
| | | | 5177 |

- NOTES:
1. LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 2. ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 3. ALL WELDS SHALL BE PER A.W.S. D1.1.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

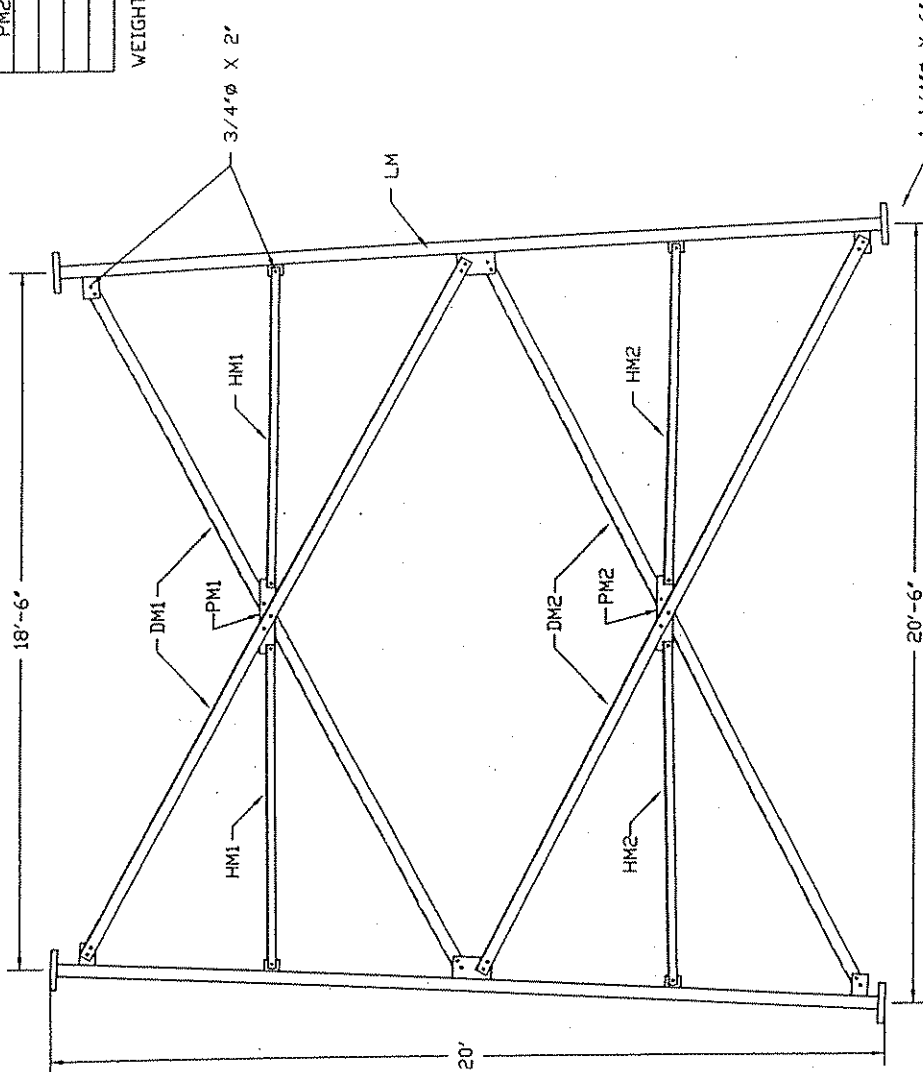
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|---|
| TOVERKRAFT PROJECT NO. 4563 |
| TITLE SECTION - L |
| TOVERKRAFT ENGINEERING 323 NIOBRARA STREET ALLIANCE, NE 69361 (308) 762-5092 |
| BY: AAK |
| DATE: 8-09-03 |
| DWG. NO. 4563L |
| PAGE 1 |
| OF 1 |

ELEVATION 70'-90' ASSEMBLY

MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|----------------------------------|--------|
| LM | 3 | 4" S.R. LEG. WELDMENT | 3033 |
| DM1 | 6 | 4 X 4 X 1/4 X 20'-6 1/8' | 812 |
| DM2 | 6 | 4 X 4 X 1/4 X 21'-4 3/8' | 846 |
| HM1 | 6 | 3 X 3 X 1/4 X 8'-6 3/16' | 250 |
| HM2 | 6 | 3 X 3 X 1/4 X 9'-0" | 265 |
| PM1 | 3 | 3/8" GUSSET PLATE | 40 |
| PM2 | 3 | 3/8" GUSSET PLATE | 40 |
| | 90 | 3/4" BOLT X 2' LONG W/LK & NUT | |
| | 24 | 1 1/4" BOLT X 6' LONG W/LK & NUT | |
| TOTAL | | | 5656 |

WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV.



- NOTES:
- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH, ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.W.S. D11.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

TOWERCRAFT PROJECT NO. 4563

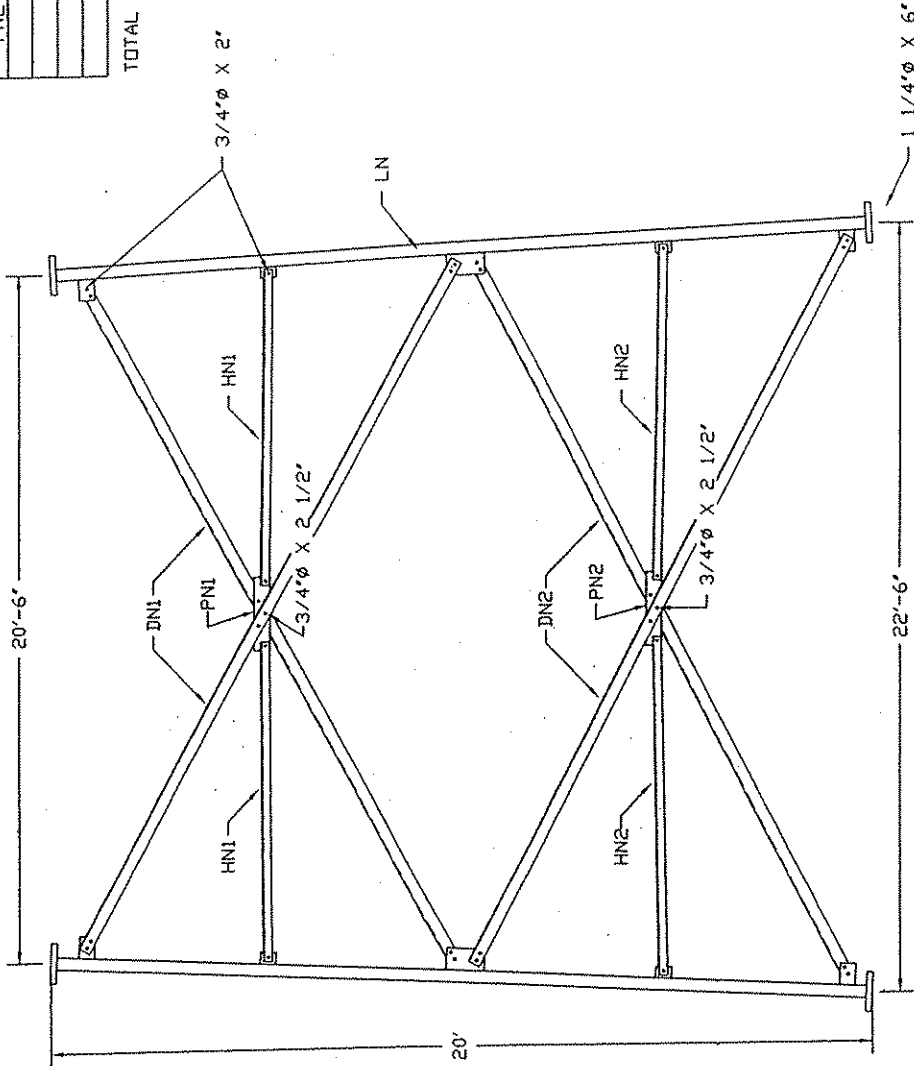
TITLE SECTION - M

TOWERCRAFT ENGINEERING
 323 W. BRANNAK STREET
 ALLIANCE, TX 76901

BY: AAK
 DATE: 8-09-03

DWG. NO. 4563M PAGE 1 OF 1

ELEVATION 50'-70' ASSEMBLY



MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|--|--------|
| LN | 3 | 4" φ S.R. LEG WELDMENT | 3033 |
| DNI | 6 | 4 X 4 X 1/4 X 22'-3 3/4" | 884 |
| DNE | 6 | 4 X 4 X 1/4 X 23'-2 1/16" | 918 |
| HNI | 6 | 3 X 3 X 1/4 X 9'-5 1/4" | 277 |
| HNE | 6 | 3 X 3 X 1/4 X 9'-11" | 292 |
| PNI | 3 | 3/8" GUSSET PLATE | 45 |
| PNE | 3 | 3/8" GUSSET PLATE | 45 |
| | 84 | 3/4" φ BOLT X 2' LONG W/LK & NUT | |
| | 6 | 3/4" φ BOLT X 2 1/2' LONG W/LK AND NUT | |
| | 24 | 1 1/4" φ BOLT X 6' LONG W/LK & NUT | |
| TOTAL | | | 5879 |

TOTAL WEIGHT IS INCREASED BY 7% FOR GALV.

- NOTES:
- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.W.S. D1.1.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

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|---|---------|
| TOWERKRAFT PROJECT NO. 4563 | |
| TITLE SECTION - N | |
| TOWERKRAFT ENGINEERING 323 MIDBRARA STREET ALLIANCE, NE 69301 (308) 762-5002 | BY: AAK |
| DATE: 8-09-03 | |
| DWG. NO. 4563N | PAGE 1 |
| | OF 1 |

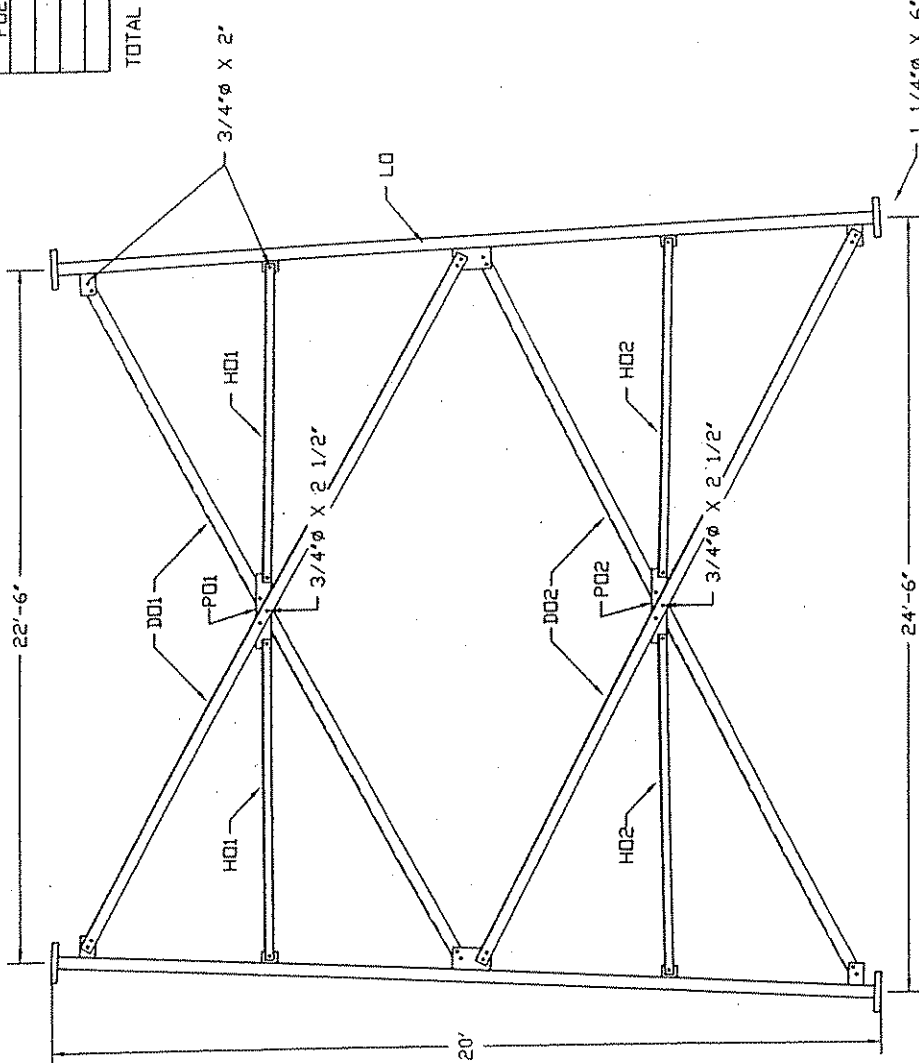
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ELEVATION 30'-50' ASSEMBLY

MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|--------------------------------------|--------|
| LD | 3 | 4 1/4" S.R. LEG WELDMENT | 3956 |
| DD1 | 6 | 5 X 5 X 5/16 X 24'-1 11/16' | 1492 |
| DD2 | 6 | 5 X 5 X 5/16 X 25'-0 3/16' | 1546 |
| HD1 | 6 | 3 1/2 X 3 1/2 X 1/4 X 10'-2 1/8' | 354 |
| HD2 | 6 | 3 1/2 X 3 1/2 X 1/4 X 10'-7 7/8' | 371 |
| PD1 | 3 | 3/8" GUSSET PLATE | 55 |
| PD2 | 3 | 3/8" GUSSET PLATE | 55 |
| | 84 | 3/4" BOLT X 2' LONG W/LK & NUT | |
| | 6 | 3/4" BOLT X 2 1/2' LONG W/LK AND NUT | |
| | 24 | 1 1/4" BOLT X 6' LONG W/LK & NUT | |
| TOTAL | | | 7950 |

TOTAL WEIGHT IS INCREASED BY 7% FOR GALV.



NOTES:

- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH, ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
- ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
- ALL WELDS SHALL BE PER A.W.S. D1.1.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

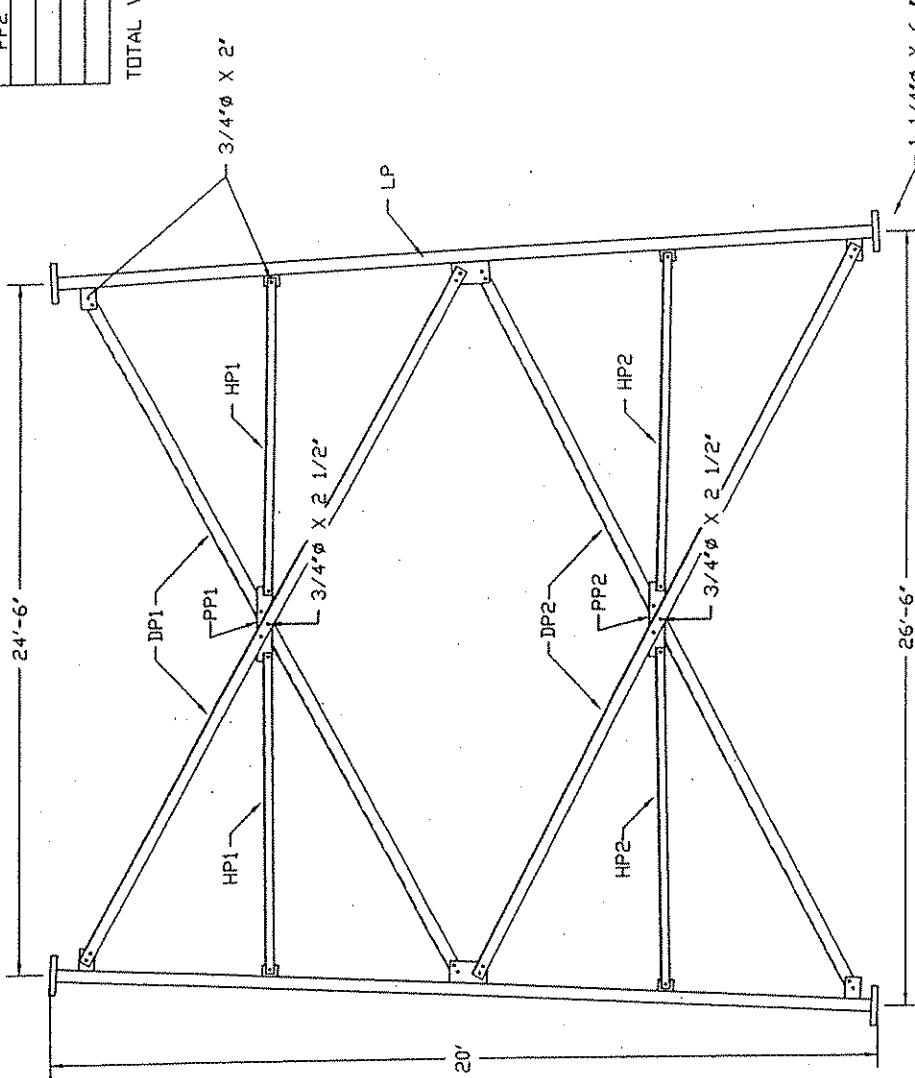
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| TOUGHRIFT PROJECT NO. 4563 |
| TITLE SECTION - 0 |
| TOUGHRIFT ENGINEERING 323 WINDRAMP STREET ALLIANCE, NC 28501 |
| BY: AAK |
| DATE: 8-09-03 |
| DWG. NO. 45630 PAGE 1 OF 1 |

ELEVATION 10'-30' ASSEMBLY

MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|--------------------------------------|--------|
| LP | 3 | 4 1/4" S.R. LEG WELDMENT | 3556 |
| DP1 | 6 | 5 X 5 X 5/16 X 26'-0" | 1607 |
| DP2 | 6 | 5 X 5 X 5/16 X 26'-11 11/16" | 1667 |
| HP1 | 6 | 3 1/2 X 3 1/2 X 1/4 X 11'-1 1/8" | 386 |
| HP2 | 6 | 3 1/2 X 3 1/2 X 1/4 X 11'-6 7/8" | 403 |
| PP1 | 3 | 3/8" GUSSET PLATE | 55 |
| PP2 | 3 | 3/8" GUSSET PLATE | 55 |
| | 84 | 3/4" BOLT X 2' LONG W/LK & NUT | |
| | 6 | 3/4" BOLT X 2 1/2' LONG W/LK AND NUT | |
| | 24 | 1 1/4" BOLT X 6' LONG W/LK & NUT | |
| TOTAL | | | 8270 |

TOTAL WEIGHT IS INCREASED BY 7% FOR GALV.



- NOTES:
- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH. ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.W.S. D1.1.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

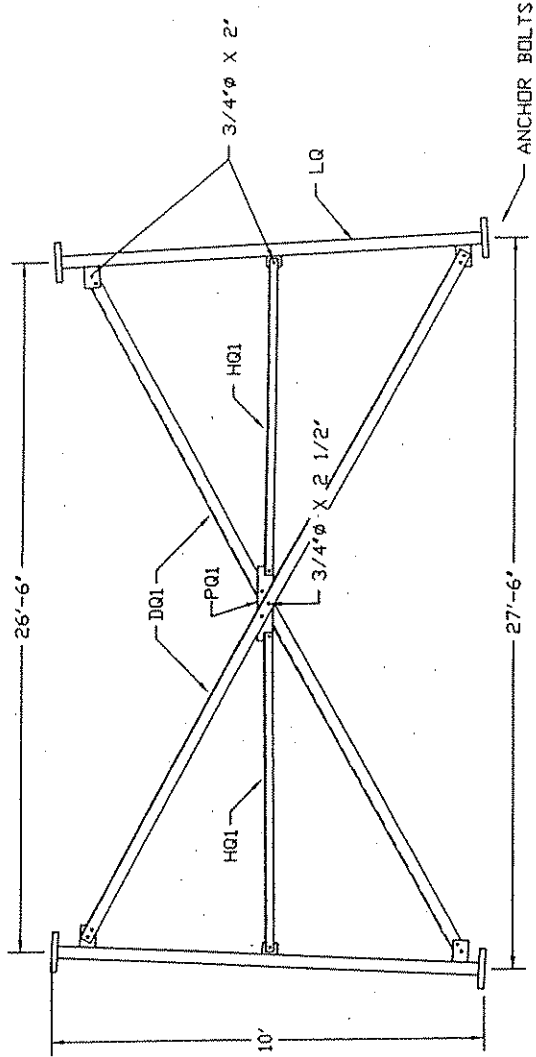
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| TOWERKRAFT PROJECT NO. 4563 |
| TITLE SECTION - P |
| TOWERKRAFT ENGINEERING BY: AAK |
| 323 MIDBRARA STREET ALLIANCE, NE 69301 DATE: 8-09-03 |
| (386) 762-5882 |
| DWG. NO. 4563P PAGE 1 OF 1 |

ELEVATION 0'-10' ASSEMBLY

MATERIAL LIST

| PART NO. | QTY. | DESCRIPTION | WEIGHT |
|----------|------|--------------------------------------|--------|
| LQ | 3 | 4 1/4" S.R. LEG WELDMENT | 2100 |
| DQ1 | 6 | 5 X 5 X 5/16 X 27'-7 3/16' | 1706 |
| HQ1 | 6 | 4 X 4 X 1/4 X 11'-10 7/8' | 471 |
| PQ1 | 3 | 3/8" GUSSET PLATE | 55 |
| | 42 | 3/4" BOLT X 2' LONG W/LK & NUT | |
| | 3 | 3/4" BOLT X 2 1/2' LONG W/LK AND NUT | |
| | **** | ANCHOR BOLTS | |
| TOTAL | | | 4636 |

WEIGHTS SHOWN ARE INCREASED BY 7% FOR GALV.



- NOTES:
- LEG STEEL SHALL BE 50KSI MINIMUM YIELD STRENGTH, ALL OTHER STEEL IS 36 KSI MINIMUM YIELD STRENGTH.
 - ALL STEEL SHALL BE HOT DIPPED GALVANIZED PER ASTM A123.
 - ALL WELDS SHALL BE PER A.W.S. D11.

WESTERN TOWERS
 324 W. 26 ST
 SAN ANGELO, TX 76903

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|---|---------------|
| TOWERKRAFT PROJECT NO. | 4563 |
| TITLE: SECTION - Q | |
| TOWERKRAFT ENGINEERING 323 NIDBRARA STREET ALLIANCE, NE 69301 C308D-762-5002 | BY: AAK |
| DWG. NO. 4563Q | DATE: 8-09-03 |
| PAGE 1 | OF 1 |