

St. Bernard Port  
Violet Terminal Communications Tower

**SECTION 00300**

**FORM OF PROPOSAL**

Proposal For: St Bernard Port, Harbor and Terminal District  
Violet Terminal Communications Tower  
St. Bernard Parish  
Chalmette, LA

To: St Bernard Port, Harbor and Terminal District  
100 Port Boulevard, Chalmette, LA 70043.  
Chalmette, LA 70043  
Attn: Dr. Robert J. Scafidel, Executive Director

Date: 5-17, 2016

Gentlemen:

I/We do hereby declare that I/We have received and carefully examined all Bidding Documents and Contract Documents as prepared by Infinity Engineering Consultants, LLC, including drawings, project manual (including bidding requirements, conditions of the contract, and specifications), alternates, and addenda for the Violet Terminal Communications Tower and have personally inspected the site, and that I/We have clear, understanding of said documents and the Work to be performed and all laws, regulations and all other factors affecting performance of the Work. I/We hereby propose to provide all necessary tools, machinery, apparatus, and other means of Construction, and to furnish all labor, materials, supplies, equipment, supervision, quality control, transportation, facilities, services and all taxes, bonds, and insurance specified in the contract, or called for by the drawings and specifications, as required to complete and finish the contract in a thoroughly workmanlike manner and in accordance with the Contract Documents.

It is understood and agreed that work to be performed and prices for which it will be performed, in event the contract thereof is awarded to the undersigned Bidder, shall be as follows:

FOR ALL LABOR, MATERIALS, EQUIPMENT, ETC. REQUIRED FOR:

St Bernard Port, Harbor and Terminal District  
Violet Terminal Communications Tower  
St. Bernard Parish  
Violet, LA

St. Bernard Port  
Violet Terminal Communications Tower

COMPLETION DATE:

The undersigned fully understands that construction time is of the essence and, if awarded a contract, guarantees substantial completion of all work of this proposal (Bid) within One Hundred and Forty-Five (145) consecutive calendar days (weekdays, weekends, and all holidays are included) from receipt of Notice to Proceed issued after execution of Contract pursuant to the terms of the Specifications. It is understood that time is of the essence under this Contract. The Contractor shall have thirty (30) consecutive calendar days from date of Substantial Completion to complete all Punch List work and for Final Acceptance of the project.

AWARD:

- A. If requested to do so, I/We will enter into an Agreement in the form attached. I/We agree to assume an obligations, duties, and responsibilities necessary to successfully complete the Contract. I/We understand that the Owner reserves the right to award independent contracts. Upon receipt of written notice of the acceptance of this Bid, I/We agree to execute the Agreement within seven (7) calendar days of the date of the written notice.
- B. In submitting this Bid, it is understood that the Owner reserves the right to accept or reject any or all Bids and waive any informalities in the Bidding.

BID SECURITY:

Bid security attached, in sum of five percent (5%) of this Bid Proposal, in the amount of \_\_\_\_\_

5% Bid Bond (Dollars) (\$\_\_\_\_\_).

Amounts shall be shown in both words and figures. In event of discrepancy, the amount shown in words shall govern.

STIPULATED DAMAGES:

The undersigned understands and agrees to the terms of stipulated damages as defined in Section 00110, which supersede the damages described in the Standard Specifications. The undersigned understands and agrees that the Owner may retain the sum indicated below from the amount of compensation to be paid him for each day after the established completion date, Sundays and Holidays included, that the contract remains incomplete. This amount is agreed upon as the proper measure of the Stipulated Damage which the Owner will sustain per day, by failure of the undersigned to complete the contract at the stipulated time, and is not to be construed, in any sense, as a penalty. Failure of the Contractor to complete all of the work within the time specified in the contract, the Contractor shall be deemed to be in default by his act of failure to complete.

STIPULATED DAMAGES PER CALENDAR DAY: Five Hundred Fifty Dollars (\$500.00).

St. Bernard Port  
Violet Terminal Communications Tower

AFFIDAVIT:

Attached hereto is an affidavit in proof that the undersigned has not entered into any collusion with any person and has not employed any person to solicit or secure the contract in respect to this proposal.

EMPLOYER'S (Contractor) REGISTRATION NUMBER under the Social Security Act of the United States of America: 48-0681609

We understand and agree that the Owner reserves the right to reject any and all proposals and that proposal cannot be withdrawn for a period of forty-five (45) days from the date of the opening thereof.

We confirm that we have carefully examined the Contract Documents and have complied with all conditions therein, and understand that unless the bid is signed, it will not be considered a formal proposal.

Respectfully Submitted,

Pittsburg Tank & Tower Co. Inc.  
Contractor's Name

Ben Johnson  
By (Signature)

Ben Johnson VP  
Typed or clearly printed Name and Title

one water tank place  
Business Address

5-17-16  
Date

If Bid by Corporation or Agent, attach information required by Instructions to Bidders. Attach Bid Bond, complete Affidavits, and Certifications. Submit in duplicate.



St. Bernard Port  
Violet Terminal Communications Tower  
LOUISIANA UNIFORM PUBLIC WORK BID FORM  
UNIT PRICE FORM

TO: St. Bernard Port, Harbor and Terminal District BID FOR: Port of St. Bernard  
100 Port Boulevard Violet Terminal Communications Tower  
Chalmette, LA 70043 St. Bernard Parish  
 Violet, LA

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Mobilization	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		1.	1	LS	15000.00	15000.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Site clearing and grubbing	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		2.	1	LS	3500.00	3500.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Fill material & site grading	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		3.	1	LS	3500.00	3500.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Driven piles	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		4.	1	LS	68570	68570.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Pile cap	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		5.	1	LS	20,000.00	20,000.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 140 ft. free standing tower and foundation shop drawings	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		6.	1	LS	37,500.00 1500.00	37,500.00 1500.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 140 ft. free standing tower	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		7.	1	LS	39,500.00	39,500.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 140 ft. tower freight	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		8.	1	LS	4800.00	4800.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 140 ft. tower erection	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		9.	1	LS	28000.00	28000.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Cable tray and supports	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		10.	1	LS	8100.00	8100.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# Site fencing and double swing gate	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		11.	1	LS	15700.00	15,700.00

DESCRIPTION	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# 140 ft. tower grounding (tower and inside/outside of communications bld.)	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		12.	1	LS	12000.00	12000.00

DESCRIPTION	<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt.# Alt.#1 The addition of a full and complete FAA lighting system	REF. NO.	QUANTITY	UNIT OF MEASURE	UNIT PRICE	UNIT PRICE EXTENSION (Quantity Times Unit Price)
		13.			4100.00	4100.00

Wording for "DESCRIPTION" is to be provided by the Owner.  
All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner

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**NON COLLUSION DECLARATION**

A sworn statement shall be submitted in the form of an affidavit as indicated below, executed and sworn to by the bidder before persons authorized by laws of the State to administer oaths. The original of such sworn statement shall be submitted with the bid.

**Affidavit**

State Project Number: 15-074

Name of Project: St Bernard Port, Harbor and Terminal District  
Violet Terminal Communications Tower  
Chalmette, Louisiana

Parish: St. Bernard  
Pittsburg Tank & Tower Co. Inc.  
certify that: (an individual)  
(a partnership)  
(a corporation)

(1) That affiant employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for affiant, and

(2) That no part of the contract price received by affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for affiant.

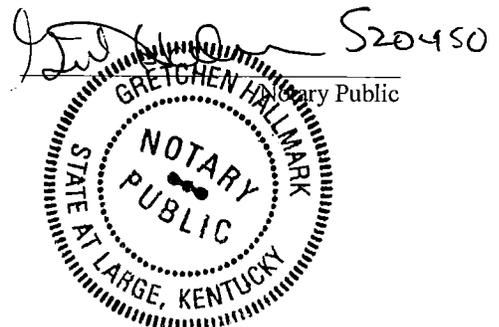
Signed Ben Johnson  
By Ben Johnson  
Title Vice president  
(an individual)  
(a partnership)  
(a corporation)

Parish or county Henderson

State of Ky

Subscribed and sworn to before me this 17 day of May, 2016.

My commission expires the 2 day of Oct, 2018.



St. Bernard Port  
Violet Terminal Communications Tower

**REQUEST TO SUBLET**

*SUBMIT TO ENGINEER*

<b>Date</b>	
<b>State Project Number</b>	Not Applicable
<b>Name of Project</b>	St Bernard Port, Harbor and Terminal District Violet Terminal Communications Tower St. Bernard Parish, Chalmette, Louisiana
<b>Parish</b>	St. Bernard Parish

I desire to sublet the following items of work to the undersigned subcontractor:

ITEM NO.	DOLLAR AMOUNT	ITEM NO	DOLLAR AMOUNT
P.les	58,000.00		

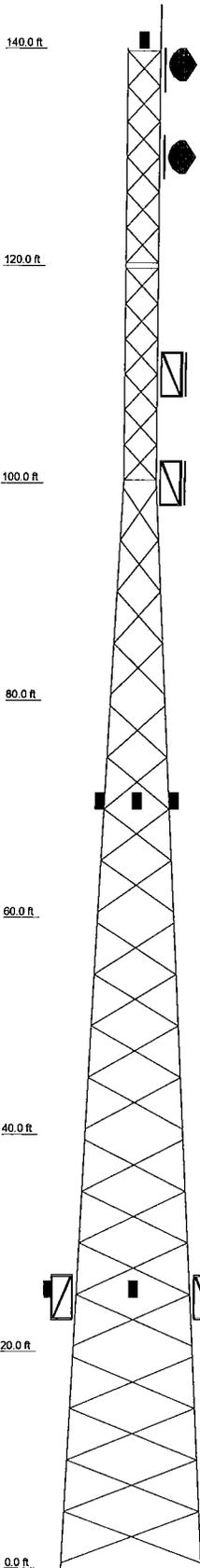
I, as contractor, understand and agree that the subcontractor shall not relieve me of my liability under the contract and bonds, and certify that the subcontractor has the experience, equipment and personnel to satisfactorily perform the subcontracted work, and that the subcontracted work is covered by a written agreement with the subcontractor.

<b>Contractor</b> Howard P. Le Driving	<b>Lic No</b> 15812
<b>Address</b> 2417 Sharon ST	<b>Tax ID #</b> 720908150
<b>Phone</b> 504-464-1126	<b>Facsimile No</b> 504-469-4520
<b>Signature</b> 	<b>e-mail</b>
<b>Name</b> Kevin Roth	<b>Title</b>

I, as subcontractor, understand and agree that no part of the above listed subcontracted work shall be sublet; and I certify that the subcontracted work is covered by a written agreement with the contractor which states that the work shall be performed in accordance with the Contracting Agency construction contract for this project; and that the minimum wages stated in said contract shall be applied to the subcontracted work, if in fact minimum wages are stated in said contract.

<b>Subcontractor</b>	<b>Lic No</b>
<b>Address</b>	<b>Tax ID #</b>
<b>Phone</b>	<b>Facsimile No</b>
<b>Signature</b>	<b>e-mail</b>
<b>Name</b>	<b>Title</b>

Section	15	74	73	72	71	62	51	40	27	11	3.4	0.0
Lags	SR 3 1/2	SR 3 1/4	SR 3	SR 3	SR 2 3/4	SR 2 1/4	SR 2 1/4	SR 3/4				
Lag Grade	L3x3x3/16	L2 1/2x2 1/2x3/16	L2x2x3/16	L1 3/4x1 3/4x3/16	L1 1/2x1 1/2x3/16	SR 7/8	SR 7/8	SR 7/8	SR 7/8	SR 3/4	SR 3/4	SR 3/4
Diagonals	L3x3x3/16	L2 1/2x2 1/2x3/16	L2x2x3/16	L1 3/4x1 3/4x3/16	L1 1/2x1 1/2x3/16	SR 7/8	SR 7/8	SR 7/8	SR 7/8	SR 3/4	SR 3/4	SR 3/4
Diagonal Grade	L3x3x3/16	L2 1/2x2 1/2x3/16	L2x2x3/16	L1 3/4x1 3/4x3/16	L1 1/2x1 1/2x3/16	SR 7/8	SR 7/8	SR 7/8	SR 7/8	SR 3/4	SR 3/4	SR 3/4
Top Girts	N.A.	N.A.	N.A.	N.A.	N.A.	A572-50						
Bottom Girts	N.A.	N.A.	N.A.	N.A.	N.A.	A572-50						
Face Width (ft)	13	8	7	5	3	3	3	3	3	3	3	3
# Panels @ (ft)	14.3	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75	20 @ 4.75
Weight (K)	14.3	3.4	2.5	2.0	1.8	1.3	0.8	0.8	0.8	0.8	0.8	0.8



ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 247 K  
SHEAR: 24 K

UPLIFT: -224 K  
SHEAR: 23 K

AXIAL  
21 K

SHEAR  
43 K

MOMENT  
2702 kip-ft

TORQUE 14 kip-ft  
REACTIONS - 157 mph WIND

**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
4' Lighting Rod	140	L-Side Light / Obstruction Light	70
L-Lighting Beacon	140	L-Side Light / Obstruction Light	70
Dish Mount	140	Domed Camera(s) (1/2" Heliax)	25
3' Std. Dish w/Radome (EW63)	140	1' Sidearm(s)	25
Dish Mount	130	Domed Camera(s) (1/2" Heliax)	25
3' Std. Dish w/Radome (EW63)	130	1' Sidearm(s)	25
12' x 12' x 3' Panel (1-1/4" Heliax)	110	Domed Camera(s) (1/2" Heliax)	25
3' Sidearm(s)	110	1' Sidearm(s)	25
12' x 12' x 3' Panel (1-1/4" Heliax)	100	Domed Camera(s) (1/2" Heliax)	25
3' Sidearm(s)	100	1' Sidearm(s)	25
L-Side Light / Obstruction Light	70		

**MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A529-50	50 ksi	65 ksi

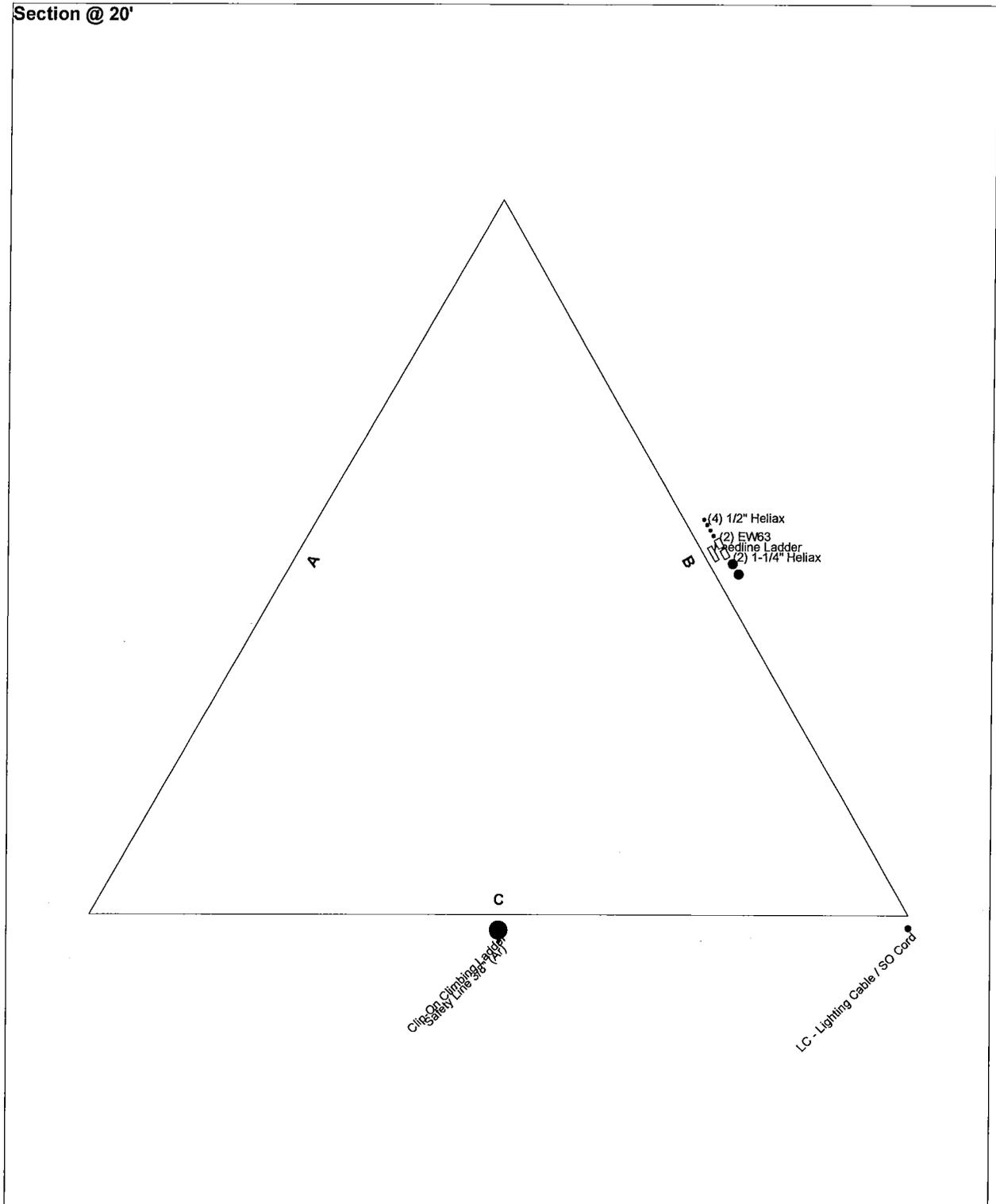
**TOWER DESIGN NOTES**

1. Tower is located in Saint Bernard Parish, Louisiana.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 157 mph basic wind in accordance with the TIA-222-G Standard.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class III.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. Tower designed for Step Bolts and/or clip-on climbing ladder.
8. Tower designed for feedlines to be supported with waveguide ladder(s).
9. All bolted legs and/or weld together tower sections have flange connections.
10. Structural connections use galvanized A325 bolts and/or equivalent with nuts and/or nut locking devices. Installation per TIA/EIA-222 and AISC Specifications.
11. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
12. All structural steel welding will be in compliance with AWS D1.1 latest revision and fabricated with ER-70S-6 electrodes.
13. Structure is designed to arrange feedlines based on using stackable hangers currently available in the communications industry unless specified otherwise by customer. See plan view of sheet E-7 for feedline arrangement used for the design of this structure.
14. \*\* Preliminary Design - Not For Construction \*\*
15. TOWER RATING: 79.9%

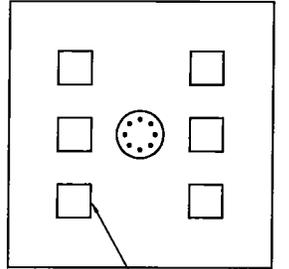
	<b>Allstate Tower Inc.</b>		Job: <b>60259E</b>
	P.O. Box 25		Project: <b>Site Name : Violet / St. Benard Parish, LA.</b>
	Henderson, KY. 42419		Client: <b>St. Bernard Parish</b>
	Phone: (270) 830-8512		Drawn by: <b>Allstate Tower</b>
	FAX: (270) 830-8475		Date: <b>05/09/16</b>
		Scale: <b>NTS</b>	Dwg No. <b>E-1</b>

**Feed Line Plan**  
20'

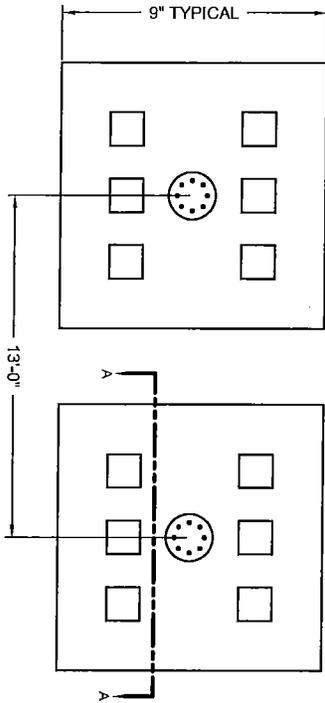
Section @ 20'



	<b>Allstate Tower Inc.</b>		Job: <b>60259E</b>
	P.O. Box 25		Project: <b>Site Name : Violet / St. Bernard Parish, LA.</b>
	Henderson, KY. 42419		Client: <b>St. Bernard Parish</b>
	Phone: (270) 830-8512		Drawn by: <b>Allstate Tower</b>
	FAX: (270) 830-8475		Date: <b>05/09/16</b>
		Code: <b>TIA-222-G</b>	Scale: <b>NTS</b>
		Path:	Dwg No. <b>E-7</b>



(6) 14" SQ. PILES X 50' BG PER LEG (DRIVEN CONE PILES)



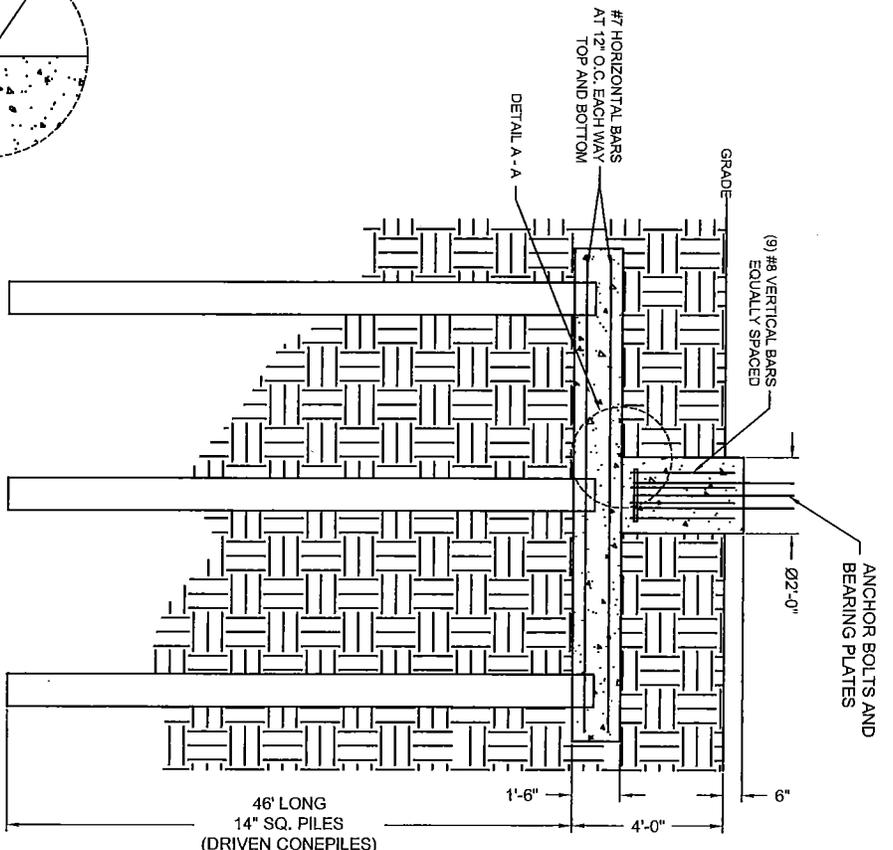
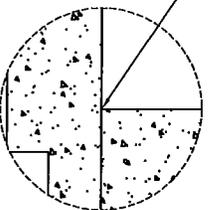
PLAN VIEW

VOLUME OF CONCRETE PER PAD = 4.85 YDS<sup>3</sup>

TOTAL VOLUME OF (3) PADS = 14.55 YDS<sup>3</sup>

UTILIZING 4 KSI CONCRETE AND 60 KSI RE-BAR

USE EPOXY BONDING AGENT WHEN POURED SEPARATELY



SECTION VIEW A-A

- FOUNDATION INSTALLATION/DESIGN NOTES:**
- THIS FOUNDATION IS DESIGNED TO MEET ALL STANDARDS SET FORTH BY ACI 318; AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ANSIT/ALMA 222-F; STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
  - THIS FOUNDATION IS DESIGNED UTILIZING THE GEOTECHNICAL REPORT PERFORMED BY THE BETA GROUP, T8G PROJECT #4393G. THE FOUNDATION CONTRACTOR SHALL INSTALL THE FOUNDATIONS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
  - ALL WORK PERFORMED FROM THESE DRAWINGS SHOULD BE BY QUALIFIED CONTRACTORS EXPERIENCED IN TOWER FOUNDATION CONSTRUCTION.
  - ALL FOOTING EXCAVATIONS SHALL BE MANUALLY CLEANED PRIOR TO PLACING CONCRETE. COMPACT THE EXPOSED SOIL SURFACE AND ANY GRANULAR FILL UNDER THE FOUNDATION TO 90% OF THE MODIFIED PROCTOR DENSITY.
  - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS. COPIES OF THE CONCRETE CYLINDER TEST REPORTS SHALL BE SENT TO THE RESIDENT ENGINEER/INSPECTOR.
  - MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE 3". ALL REINFORCING BARS SHALL BE GRADE 60 REBAR (MIN YIELD = 60KSI).
  - FIELD BENDING OR WELDING OF REINFORCEMENT BARS IS NOT PERMITTED.
  - PROVIDE CHAMFERS AT ALL EXPOSED CORNERS OF CONCRETE.
  - BACKFILL NEAR AND AROUND THE FOUNDATIONS SHALL BE A WELL GRADED FILL MATERIAL PLACED IN 8" THICK LAYERS THAT HAS BEEN COMPACTED TO 90% OF THE MODIFIED PROCTOR DENSITY PER ASTM D1557.
  - SOME DETAIL HAS BEEN PURPOSELY OMITTED TO CLARIFY ILLUSTRATION.
  - A FIELD PULL OUT TEST FOR A TENSION OF 18 KIPS MIN. IS REQUIRED FOR A MINIMUM OF ONE #8 REINFORCEMENT BAR.

**REINFORCEMENT BAR SPLICING:**

- ALL LAP SPLICES SHALL CONFORM TO ACI 318 REQUIREMENTS.
- REFER TO CHART BELOW WHEN REINFORCEMENT BAR SPLICING IS NECESSARY.

REINFORCING BAR SIZE	LAP SPlice LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	56"
11	71"

PROPRIETARY STATEMENT: THIS DRAWING IS THE PROPERTY OF ALSTATE TOWER CO. IT IS NOT TO BE REPRODUCED OR COPIED IN ANYWAY WITHOUT PRIOR WRITTEN CONSENT OF ALSTATE TOWER CO.

REV#	DESCRIPTION	DATE	BY	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN:	DESCRIPTION:
				INCHES	PRELIMINARY FOUNDATION DESIGN
				TOLERANCE BANDS:	ST. BERNARD PORT
				XXX +1/64" HOLS. +0.11875"	VIOLET/ST. BERNARD PARISH, LA.

SCALE: NTS

DRAWN BY: S. HOWELL

DATE: 05/09/2016

FILE NAME: 60259RE

SHEET: B

ALSTATE TOWERING,  
HERNIMON, LA 70419  
PHONE: (713) 850-4512  
WWW.ALSTATETOWER.COM