Approved by CC:

APR 1 4 2014

REQUEST FOR AGENDA PLACEMENT FORM

Submission Deadline - Tuesday, 12:00 PM before Court Dates

SUBMITTED BY: Jamie Moore

TODAY'S DATE: 04/10/2014

DEPARTMENT: Emergency Management

SIGNATURE OF DEPARTMENT HEAD:

REQUESTED AGENDA DATE: 04/14/2014

SPECIFIC AGENDA WORDING: Consideration of additional financial contribution to CASA Radar Project

PERSON(S) TO PRESENT ITEM: Jamie Moore

SUPPORT MATERIAL: Engineer Design, Foundation Quote

TIME: 5 min

(Anticipated number of minutes needed to discuss item)

ACTION ITEM: __x__
WORKSHOP _____
CONSENT: _____
EXECUTIVE: _____

STAFF NOTICE:

COUNTY ATTORNEY:
AUDITOR: _____
PERSONNEL: _____
BUDGET COORDINATOR: x
IT DEPARTMENT:
PURCHASING DEPARTMENT: ____x____
PUBLIC WORKS: _____
OTHER: _____

*************This Section to be Completed by County Judge's Office*************

ASSIGNED AGENDA DATE: _____

REQUEST RECEIVED BY COUNTY JUDGE'S OFFICE _____

COURT MEMBER APPROVAL _____ Date_____

JCI Construction

PO Box 1719
Cleburne, TX 76033
817-556-9558
Fax 817-556-0593

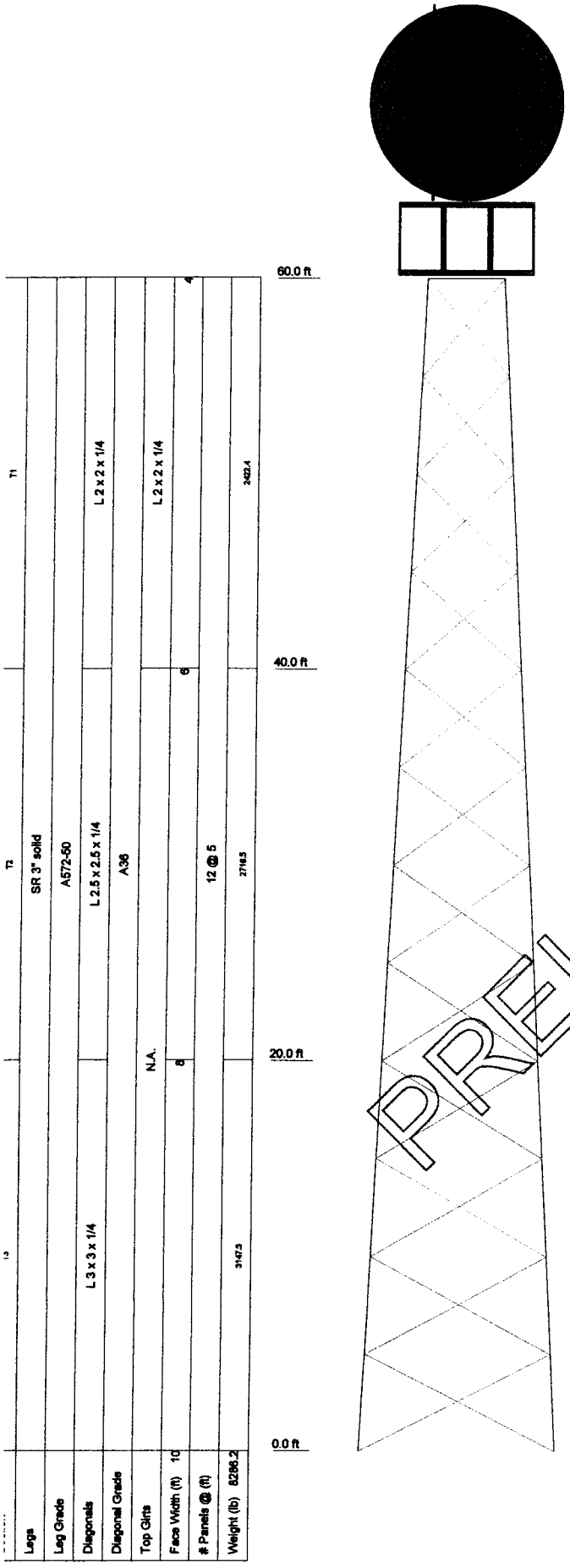
Estimate

Date	Estimate #
4/7/2014	369

Name / Address
Johnson County Purchasing Radio Tower

Project

Description	Qty	Rate	Total
JCI agrees to furnish all labor, equipment and materials necessary for the installation of the following items			
14 x 14 concrete foundation for radio tower 7 feet in the ground with (3) 3ft piers down to foundation. Includes digging and backfilling	196	71.42857	14,000.00
		Total	$14,000.00



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Radome w/ Radar	69	Platform	60
5/8" x 10' Lightning Rod	64		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower is located in Johnson County, Texas.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90.00 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30.00 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Structure Class III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Climbing and waveguide ladders to be welded into welded sections
9. Tower to be ground in accordance with EIA/Motorola R56 standards

Paul J. Ford and Company
250 E. Broad Street, Ste 600
Columbus, OH, 43215
Phone: 614.221.6679
FAX: 614.221.2540

Job:	*60-ft S/S Tower; Johnson County, TX*
Project:	*PJF #37714-0002*
Client: Rio Steel & Tower, LTD	Drawn by: Larry A. Paxton / App'd:
Code: TIA-222-G	Date: 04/03/14 / Scale: N
Path: G:\TOWER\377..Rio Steel (CSS)\2014\37714-0002 Johnson Co., TX\37714-0002 Knock Down.eri	Dwg No. E

Paul J. Ford and Company *250 E. Broad Street, Ste 600* *Columbus, OH, 43215* *Phone: 614.221.6679* *FAX: 614.221.2540*	**Job** 60-ft S/S Tower; Johnson County, TX	**Page** 1 of 1
	Project PJF #37714-0002	**Date** 15:35:25 04/03/14
	Client Rio Steel & Tower, LTD	**Designed by** Larry A. Paxton

Material Summary

Section No.	*Elevation ft*	*Steel Type*	*Size*	*No.*	*Piece Length ft*	*Total Weight lb*
T1	60 - 40	Angle	L 2 x 2 x 1/4	3	4.00	38
				6	6.56	126
				6	6.90	132
				6	7.25	139
				6	7.62	146
		Solid Round	3" solid	3	20.03	1446
T2	40 - 20	Angle	L 2.5 x 2.5 x 1/4	6	8.01	194
				6	8.40	204
				6	8.81	214
				6	9.22	224
		Solid Round	3" solid	3	20.03	1446
T3	20 - 0	Angle	L 3 x 3 x 1/4	6	9.65	284
				6	10.06	296
				6	10.52	309
				6	10.96	322
		Solid Round	3" solid	3	20.03	1446
					Total:	6966

PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
Founded in 1965 · Employee owned since 1994

RAO STEEL & TOWER, LTD.

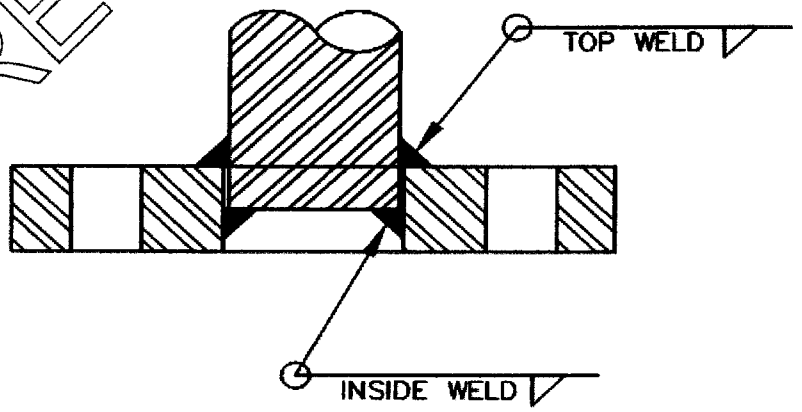
Flange Plate Summary

PJF #: 37714-0002

Project: Johnson Co. Texas

Splice Elevation (ft)	Plate Thickness (in)	Bolt Circle (in)	Bolts	Outside Weld	Inside Weld
60	1 1/4	7"	(6) 7/8"ø	3/4	3/8
40	1 1/4	7"	(6) 7/8"ø	5/8	3/8
20	1 1/4	7"	(6) 7/8"ø	5/8	3/8
0	1 1/2	8.5"	(6)1 1/4"x3'3"	5/8	3/8

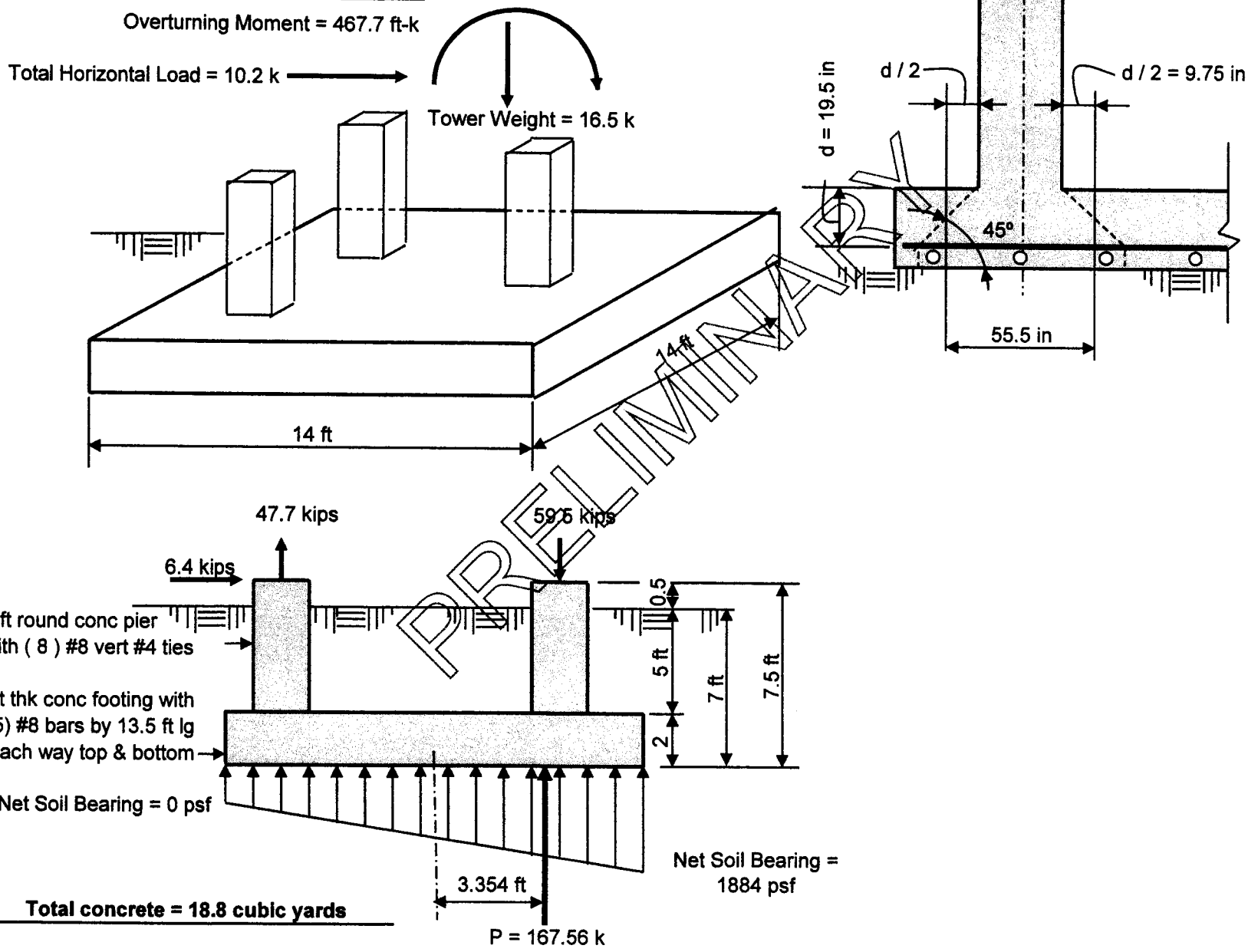
Notes: 1) All plates are to be ASTM A529-50
2) All bolts except anchor bolts are to be ASTM A325
3) Anchor bolts are to be ASTM F1554-36



PJF job no. **37714-0002** Project name **60-ft S/S Tower, Johnson Co. Texas**

Combined Footing Foundation

Concrete strength F'c =	4	(ksi)
Rebar Strength Fy =	60	(ksi)
Soil Density =	110	(pcf)
Depth to Water Table =	99	(ft)
minimum cover over vert rebar =	3	inches



Total concrete = 18.8 cubic yards