



**Paul B. Whitty, Esq.**  
GOLDBERG SIMPSON, LLC  
NORTON COMMONS  
9301 Dayflower Street  
Louisville, KY 40059  
Phone: (502) 585-8531  
Fax: (502) 581-1344  
Email: pwhitty@goldbergsimpson.com

September 8, 2009

Kentucky Public Service Commission  
Attn: Tiffany Bowman, Esq.  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, KY 40602-0615

RECEIVED  
SEP 09 2009  
PUBLIC SERVICE  
COMMISSION

Re: Case No. 2009-00030  
T-Mobile / Bath County  
Cell Tower Approval 3/26/09 for a Height of 260 Feet  
Site No. 9LV1259A / North Polksville Facility

Dear Ms. Bowman:

Per our discussion on August 24, 2009, this letter will serve as notification to the Kentucky Public Service Commission that my client, Powertel Memphis Inc. d/b/a T-Mobile Kentucky, intends to construct the above-referenced cell tower at a reduced height of 180' with a 5' lightning arrestor.

Enclosed for your file are a revised vertical tower elevation and a revised foundation drawing to evidence this modification to the approved cell tower.

It would be most appreciated if you acknowledge receipt of these documents and forward an approval of this modification as soon as possible, please.

Please contact us immediately if you need any additional information or documentation on this matter.

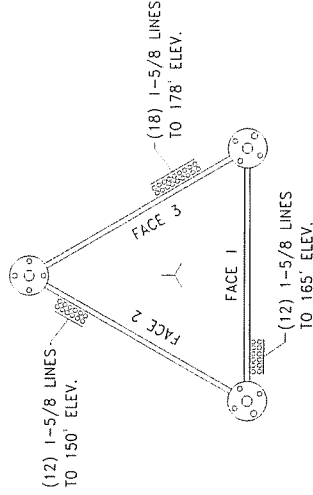
Sincerely,

Paul B. Whitty

Enclosures

MEMBER CHART

SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS		SECTION WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	
A	0' - 30'	19.00' - 16.00'	3-3/4	L 3-1/2 x 3-1/2 x 1/4	N/A	6525
B	30' - 60'	16.00' - 13.00'	3-3/4	L 3 x 3 x 3/16	N/A	5350
C	60' - 90'	13.00' - 10.00'	3-1/2	L 2-1/2 x 2-1/2 x 3/16	N/A	4450
D	90' - 120'	10.00' - 7.00'	3-1/2	L 2 x 2 x 3/16	N/A	4100
E	120' - 150'	7.00' - 4.00'	3-1/4	L 2 x 2 x 3/16	N/A	3575
F	150' - 170'	4.00'	2-1/4	S.R. 7/8	S.R. 7/8	1875
G	170' - 180'	4.00'	1-3/4	S.R. 3/4	S.R. 3/4	1200



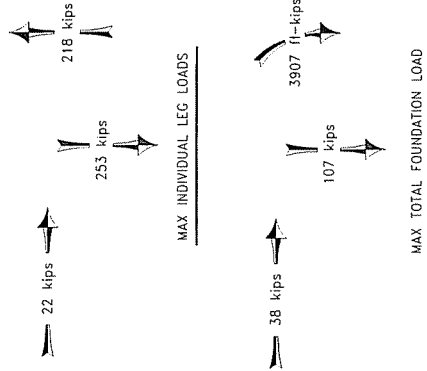
MATERIAL SPEC CHART

DESC.	MAT'L SPEC.	MIN. YIELD (ksi)
WELDED SECTIONS		
LEGS	A-572 GRADE 50	50
INNER MEM.	A-572 GRADE 50	50
FLANGE PL	A-572 GRADE 50	50
BOLTED X-BRACED SECTIONS		
LEGS	A-572 GRADE 58	58
INNER MEM.	A-36	36
FLANGE PL	A-572 GRADE 50	50
LEG PAD PL	A-36	36

ANTENNA INFORMATION

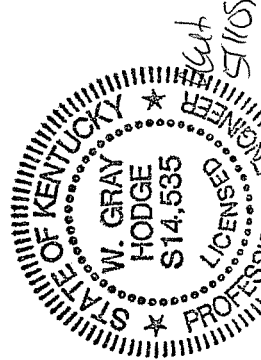
ANTENNA	ELEVATION	LINE
(12) TMBX-6517-R2M	@ 178'	(18) 1-5/8
(12) TMBX-6517-R2M	@ 165'	1-5/8
(12) TMBX-6517-R2M	@ 150'	1-5/8

FEEDLINE DISTRIBUTION INFORMATION  
THE TOWER STRUCTURE IS DESIGNED ACCORDING TO THE FEEDLINE DISTRIBUTION INFORMATION PROVIDED.



DESIGN & DRAWING NOTES:

- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- TOWER DESIGNED FOR EXPOSURE C TO THE TIA-222-G STANDARD.
- TOWER DESIGNED FOR A 90 MPH BASIC WIND WITH IN ACCORDANCE WITH TIA-222-G STANDARD.
- TOWER ALSO DESIGNED FOR A 30 MPH BASIC WIND WITH 0.75" ICE. ICE IS CONSIDERED TO INCREASE IN THICKNESS WITH HEIGHT.
- DEFLECTIONS ARE BASED UPON A 60 MPH WIND.
- STRUCTURE CLASS II, TOPOGRAPHIC CATEGORY 1.
- TOWER DESIGNED FOR STEP BOLTS UP ONE LEG.
- TOWER DESIGNED FOR FEEDLINE TO BE MOUNTED IN TWO ROWS ON CLIP-ON. WAVEGUIDE LADDER(S).
- SECTIONS A - E ARE 4-BAY X-BRACED.
- SECTIONS F IS 6-BAY X-BRACED.
- SECTIONS G IS 3-BAY X-BRACED.



DATE	DESCRIPTION
4-27-09	M.F.L.
4-27-09	A.W.L.
4-27-09	A.J.H.

DATE	DESCRIPTION
4-27-09	9LV1259

PH# (612) 853-0595  
FAX# (612) 853-6652  
2855 HIGHWAY 261  
NEWBURGH, IN. 47630

Tower Innovations

Elevation View & Member Information  
POLKSVILLE NORTH, BATH CO., KY.

5307-T1 (2145312)

DO NOT SCALE DRAWING

PAD

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	27'	112	3024'

PIER (verts) (Total for 3 Piers)

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	7'-5"	45	333'-9"

PIER (ties) (Total for 3 Piers)

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#4 GRADE 60	30" $\phi$	27	213'

APPROXIMATE CONCRETE REQ'D = 54-1/2 yd <sup>3</sup>

REBAR SPlicing CHART

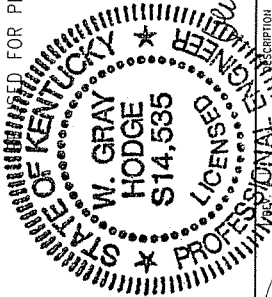
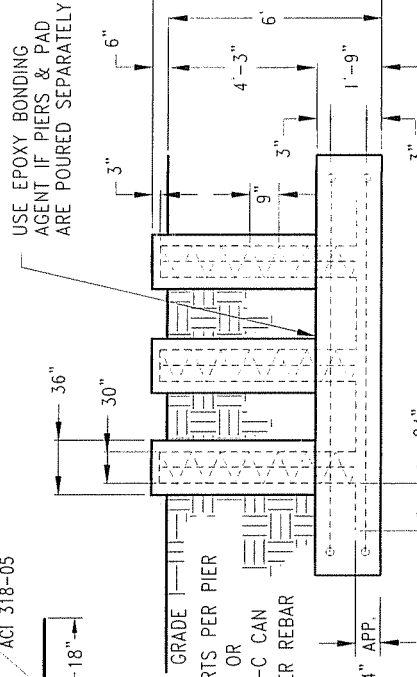
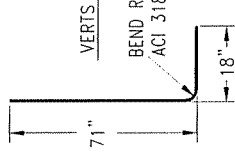
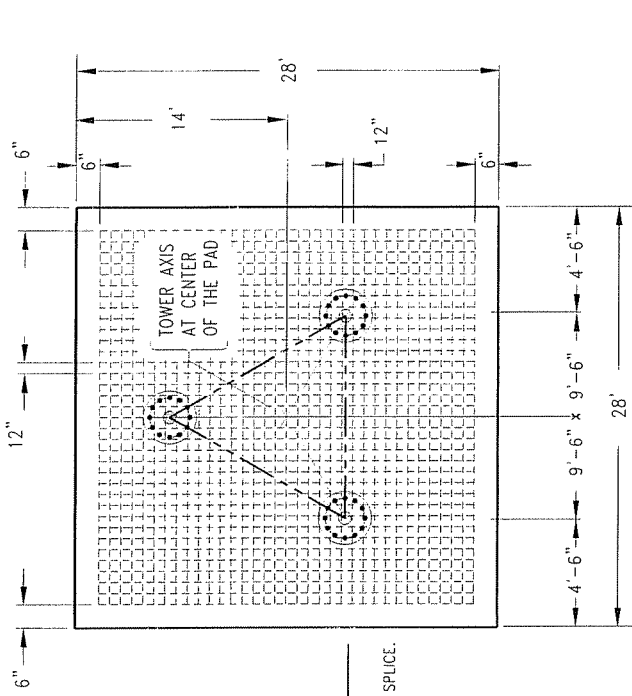
BAR SIZE	SPlice LENGTH BOTTOM BARS	SPlice LENGTH TOP BARS
#3	19"	25"
#4	25"	33"
#5	31"	41"
#6	37"	49"
#7	54"	71"
#8	62"	81"
#9	70"	91"
#10	78"	102"
#11	85"	111"

SPlicing NOTES:

- 1) STAGGER ALL SPICES.
- 2) SPICE CHART IS BASED ON 4000 PSI CONCRETE AND CLASS B SPICE.
- 3) SPICE REBAR ONLY WHEN NECESSARY.

NOTES:

- 1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 AND ACI318.
- 2) THIS FOUNDATION IS DESIGNED TO CONFORM ACI 318-05 AND ANSI/TIA-222-G STANDARDS UTILIZING THE SOILS REPORT PREPARED BY ASHER PROJ. NO. 008-239. A COPY SHALL BE PROVIDED TO THE FOUNDATION CONTRACTOR. SOIL CONDITIONS THAT DIFFER FROM THOSE DESCRIBED IN THE REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/INSPECTOR. ALL COMMENTS OR RECOMMENDATIONS REGARDING CONSTRUCTION TESTING OR CONSTRUCTION MONITORING SHALL BE STRICTLY FOLLOWED.
- 3) ALL CONCRETE SHALL BE 4000 PSI AT 28 DAYS. CYLINDERS SHALL BE PROPERLY CAST WITH COPIES OF THE TEST REPORTS GOING TO THE RESIDENT ENGINEER/INSPECTOR.
- 4) ALL ADMIXTURES MUST BE ADDED SEPARATELY INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. A NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE C. A WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE A.
- 5) ALL BACKFILL SHALL BE PLACED IN 9 INCH LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698 UNLESS MORE STRINGENT COMPACTION IS REQUIRED BY THE SOIL REPORT.
- 6) MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- 7) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH.
- 8) SEE TEMPLATE DRAWING & TEMPLATE DESIGN CHART FOR TOWER LAYOUT DIMENSIONS, USE OF TEMPLATE IS REQUIRED TO INSURE PROPER LOCATION AND ORIENTATION OF ANCHOR BOLTS.



SITE NO: <b>9LV1259</b>	DRAWN: DATE: 4-28-09	TITLE: <b>BASE FOUNDATION DESIGN</b> POLKSVILLE NORTH, BATH CO., KY.	PROJECT NO: <b>5307-F1 (2145312)</b>
CHECK: DATE: 4-28-09	S.D.A. APPROVAL: DATE: 4-28-09	DWG. NO.: <b>5307-F1 (2145312)</b>	REV:
APP.	A.W.L.	UNLESS OTHERWISE SPECIFIED: TOLERANCES: ANGLES: ± 2° DRILLED HOLES: #1/32" BURNED HOLES: #1/16"	INCHES

Tower Innovations  
 (812) 853-0895  
 2654 USTAIN RD  
 NEWBURGH, IN 47630

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