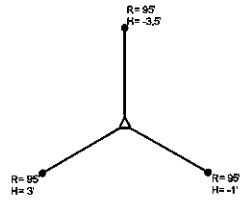


Designed Appurtenance Loading

Elev	Description	Tx-Line
188	0.3 sq. ft. EPA	(1) 1/4"

Base Reactions

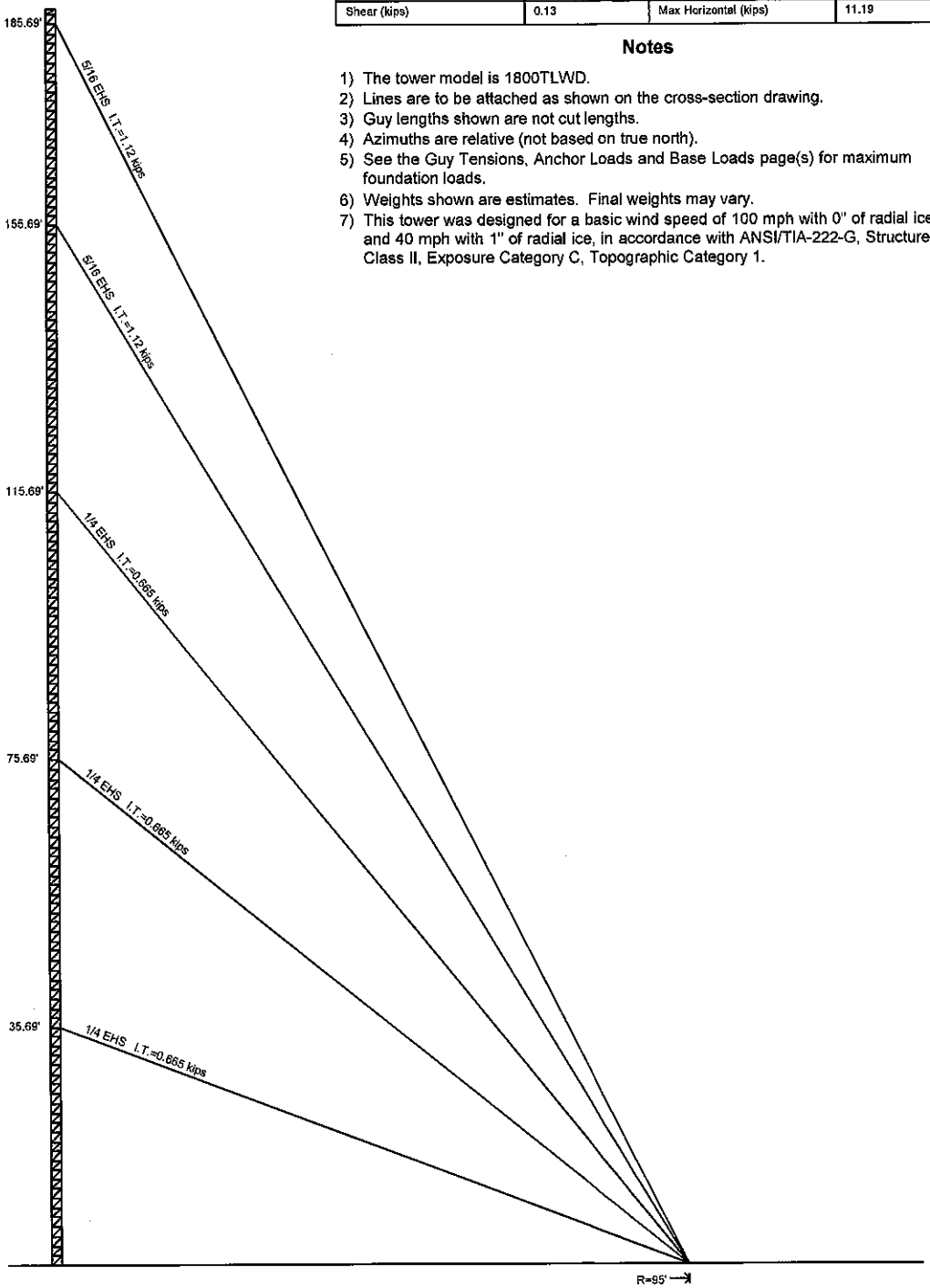
Total Foundation		Guy Anchor	
Axial (kips)	55.84	Max Vertical (kips)	10.44
Shear (kips)	0.13	Max Horizontal (kips)	11.19

Notes

1) The tower model is 1800TLWD.
2) Lines are to be attached as shown on the cross-section drawing.
3) Guy lengths shown are not cut lengths.
4) Azimuths are relative (not based on true north).
5) See the Guy Tensions, Anchor Loads and Base Loads page(s) for maximum foundation loads.
6) Weights shown are estimates. Final weights may vary.
7) This tower was designed for a basic wind speed of 100 mph with 0" of radial ice, and 40 mph with 1" of radial ice, in accordance with ANSI/TIA-222-G, Structure Class II, Exposure Category C, Topographic Category 1.

SIZES ARE PRELIMINARY AND MAY CHANGE UPON FINAL DESIGN

Legs	1.660 OD X .140																					
Diagonals	0.5 S.R.																					
Horizontals	0.5 S.R.																					
Brace Bolts	Welded Sections																					
Face Width	1.5'																					
Panel Count/Height	132 @ 1.4286'																					
Section Weight	142	136	136	142	136	136	142	136	136	142	136	136	142	136	136	142	136	136	142	136	136	121



Sabre Industries
Towers and Poles

Sabre Communications Corporation
2101 Murray Street
P.O. Box 658
Sioux City, IA 51102-0658
Phone: (712) 258-6690
Fax: (712) 258-8250

Quote:	**14-3269-TAB**
Customer:	NORTHERN PRIDE COMMUNICATIONS INC
Site Name:	Portland, ME
Description:	188' 1800TLWD
Date:	9/12/2013 By: PSW

Sabre Industries™
Towers and Poles

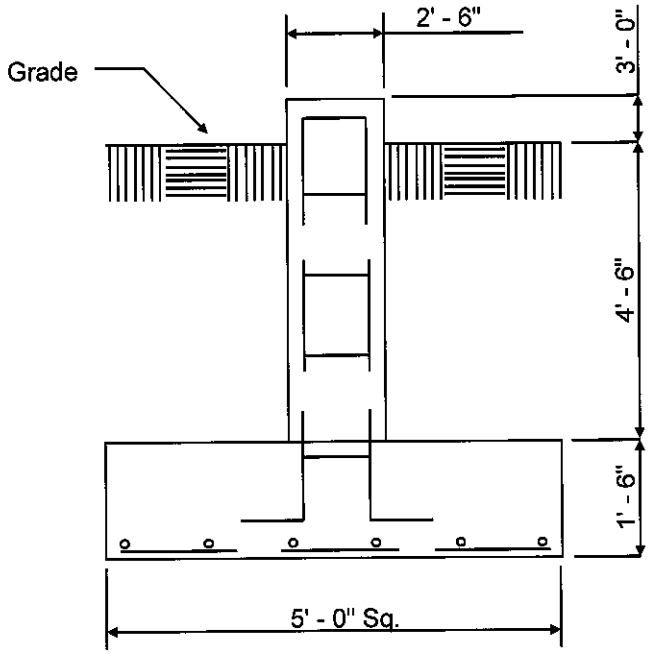
No.: 14-3269-TAB

Date: 9/12/2013
By: RLH

PRELIMINARY -NOT FOR CONSTRUCTION-

Customer: Northern Pride Communications
Site: Portland, ME

188 ft. Model 1800 TLWD Guyed Tower (18 in. face) At
100 mph Wind with no ice and 40 mph wind with 1 in. Ice per ANSI/TIA-222-G.



TOWER BASE
(2.75 Cu. Yds. Each)
(NOT TO SCALE)

Rebar Schedule	
PIER	(6) #7 vertical rebar w/ #3 ties @12" spacing
PAD	(6) #5 horizontal rebar Ea. Way Evenly Spaced Bottom Only

NOTES

1.) Concrete shall have a minimum 28 day compressive strength of 4000 PSI, in accordance with ACI 318-05.
2.) Rebar to conform to ASTM specification A615 Grade 60.
3.) All rebar to have a minimum of 3" concrete cover.
4.) All exposed concrete corners to be chamfered 3/4".
5.) The foundation design is based on presumptive clay soil as defined in ANSI/TIA-222-G-2005. It is recommended that a soil analysis of the site be performed to verify the soil parameters used in the design.
6.) The foundation design is based on the following factored reactions:
Factored Axial load (kips) = 55.9
Factored Shear (kips) = 0.2

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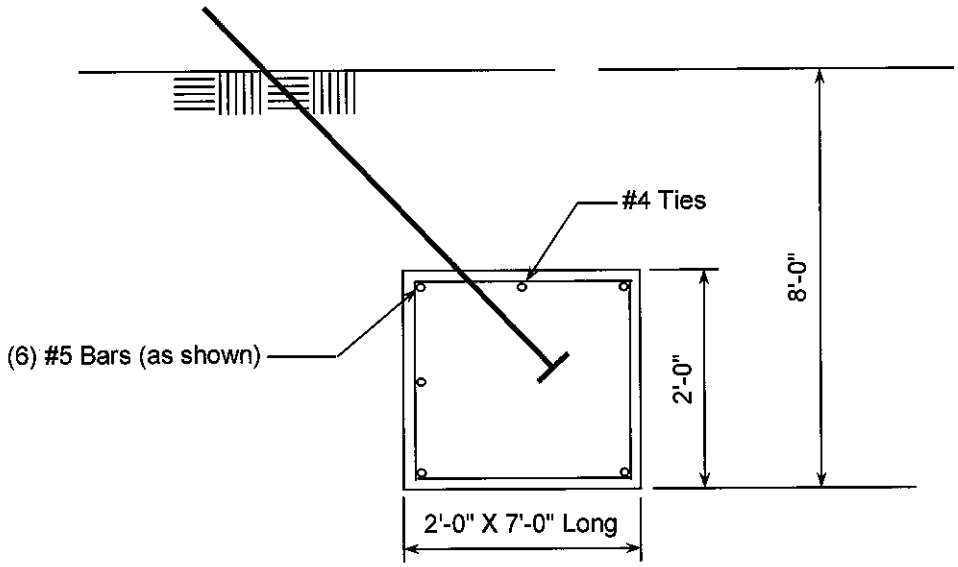
Towers and Poles

No.: 14-3269-TAB

Date: 9/12/13
By: RLH

PRELIMINARY -NOT FOR CONSTRUCTION-

Customer: Northern Pride Communications
Site: Portland, ME
188 ft. Model 1800 TLWD Guyed Tower (18 in. face) At
100 mph Wind with no ice and 40 mph wind with 1 in. Ice per ANSI/TIA-222-G.



GUY ANCHOR
(1.04 Cu. Yds. Concrete)
(3 REQUIRED; NOT TO SCALE)

Rebar Schedule Per Anchor	
GUY ANCHOR	(6) #5 horizontal rebar X 6'-6" (8) #4 ties evenly spaced

NOTES

1.) Concrete shall have a minimum 28 day compressive strength of 4000 PSI, in accordance with ACI 318-05.
2.) Rebar to conform to ASTM specification A615 Grade 60.
3.) All rebar to have a minimum of 3" concrete cover.
4.) The foundation design is based on presumptive clay soil as defined in ANSI/TIA-222-G-2005. It is recommended that a soil analysis of the site be performed to verify the soil parameters used in the
5.)
5.) The foundation design is based on the following factored reactions:
Uplift (kips) = 10.5
Horizontal force (kips) = 11.2
6.) When the soil electrical resistivity is less than 50 ohm-m and/or the measured soil pH values are below 3 or greater than 9, additional corrosion control is required. See the geotechnical report for these parameters and compaction requirements, if specified.

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