

SUMMIT MANUFACTURING INC.

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20,000" ACROSS FLATS

118'-0"



R 7/32" X 43.00' (Fy=60)
 (EST WT = 2.424 KIPS)

SPUCE LENGTH
 MIN = 37.80"
 DESIGN = 42.00"
 MAX = 46.20"

78'-6"

R 9/32" X 43.00' (Fy=60)
 (EST WT = 4.031 KIPS)

SPUCE LENGTH
 MIN = 48.60"
 DESIGN = 54.00"
 MAX = 59.40"

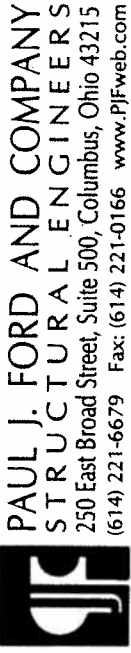
40'-0"

R 5/16" X 40.00' (Fy=60)
 (EST WT = 5.037 KIPS)

0'-0"
 I/FDN

BASE P 2 3/4" X 47,000" SQUARE
 W/ (12) 2.25" ANCHOR BOLTS ON
 EMBEDMENT INTO PIER (W/NUTS & TEMPLATE PLATE @ BOT.)

41.420" ACROSS FLATS



PAUL J. FORD AND COMPANY
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JOB DATA

Page 1 of 3	Job No.	29298-634
By RKT	Design No.	SUMMIT JOB #3796
Chk'd By KJS	Date	10-06-1998
	Rev. No.	Rev. Date
Pole	118 FT POLE	
Site	AT&T OFFICE EXPANSION SITE: FLORHAM PARK, NJ.	
Owner	AT&T WIRELESS SERVICES	
Ref. No.		
Design	75 MPH/65 MPH + 1/2" RADIAL ICE ACCORDING TO TIA/EIA-222-F 1996	

LOAD CASES

CASE 1	75 MPH WITH NO ICE	DESIGN WIND
CASE 2	65 MPH WITH 1/2" RADIAL ICE	REDUCED WIND WITH ICE
CASE 3	50 MPH WITH NO ICE	OPERATIONAL WIND

POLE SPECIFICATIONS

Pole Shape	Type: 18-SIDED POLYGON
Taper:	0.189998 IN/FT
Shaft Steel:	ASTM A607 GRADE 60
Base PL Steel:	ASTM A572 GRADE 50 (50 KSI)
Anchor Bolts:	2 1/4" x 8'-0" LONG #18J ASTM A615 GRADE 75

TEMPORARY INITIAL ANTENNA LIST

No.	Elev.	Description
-	TOP	5/8" LIGHTNING ROD
1-12	117.00	(12) PANEL ANTENNAS (MAX. CoAo=10 S.F. EACH)
-	117.00	10" CLAMP ON T-ARMS

STEP BOLTS FULL HEIGHT.

ANTENNA FEED LINES RUN INSIDE OF POLE.

FUTURE ANTENNA LIST

No.	Elev.	Description
-	TOP	5/8" LIGHTNING ROD
1-12	TOP	(12) PANEL ANTENNAS (MAX. CoAo=10 S.F. EACH)
-	TOP	RAISE LOWER ARMS

(Handwritten signature)

Elevation	75 MPH WIND		50 MPH WIND	
	Lateral Deflection (inches)	Rotation (sway) (degrees)	Lateral Deflection (inches)	Rotation (degrees)
TOP	45.9	3.372	20.4	1.499

SHAFT SECTION DATA

Shaft Section	Section Length (feet)	Plate Thickness (in.)	Lap Splice (in.)	Diameter Across Flats (inches)		
				Top	Bottom	
1	43.00	0.2187	42.00	20.000	28.170	
2	43.00	0.2812	54.00	27.067	35.237	
3	40.00	0.3125		33.820	41.420	

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES

BASE REACTIONS

FOR FOUNDATION DESIGN
 MOMENT = 1300 ft-kips
 SHEAR = 11 kips
 AXIAL = 18 kips

54986341