MAKEREADY

N/A

NEW CONSTRUCTION

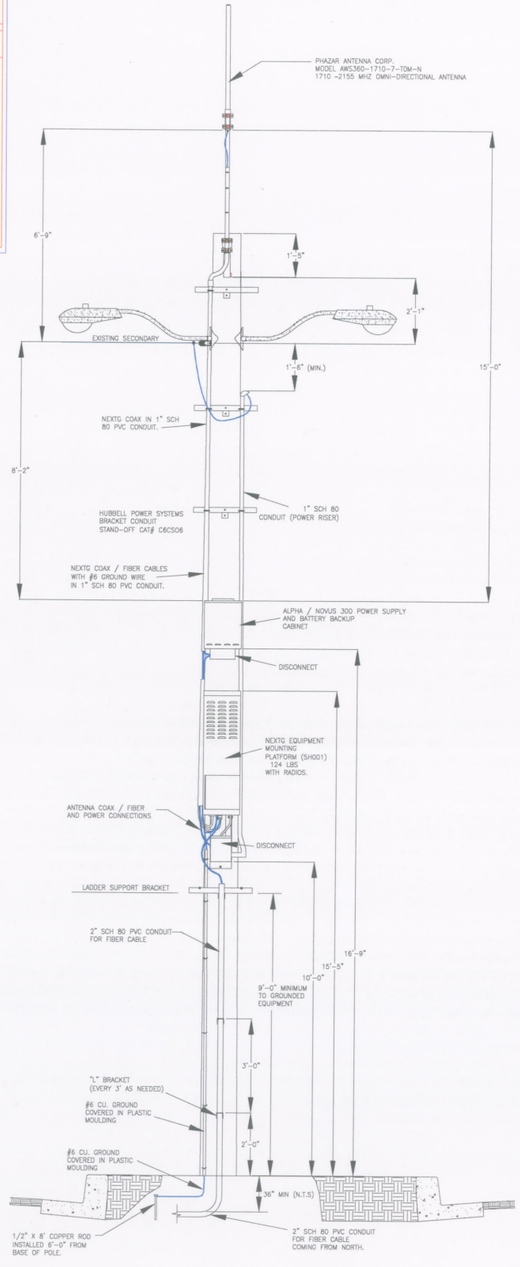
NEXT-G TO INSTALL ALL EQUIPMENT, COAXIAL CABLES AND WIRING ACCORDING TO PRINT.

NOTES:

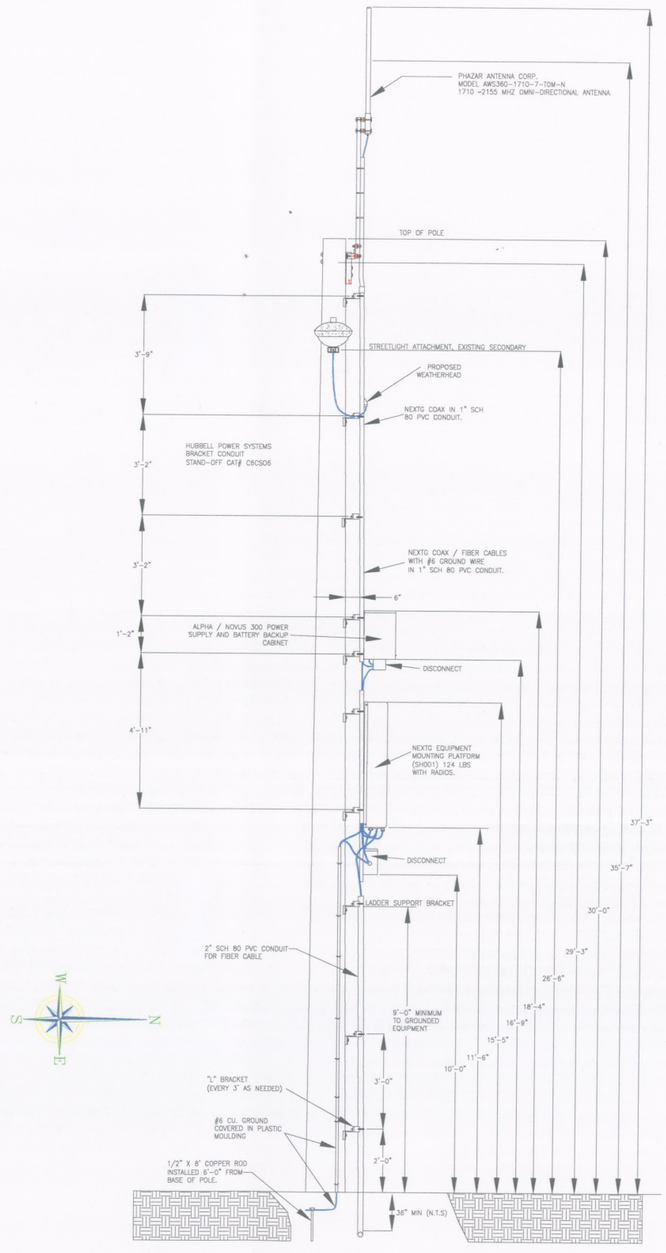
RAD CENTER OF ANTENNA: 35'-7"
TOP OF POLE: 30'-0"

ANTENNA TYPE:
AWS 360-1710-10-T0-N
PHAZAR 48"X2"

CONFIGURATION: 1 COAXIAL 3/4"
MAINLINE CABLE.



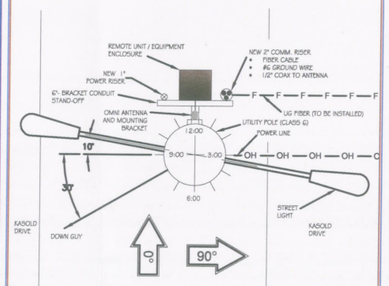
SCALE: N.T.S.	UTILITY POLE DETAIL	POLE# 70, NODE 6	LOOKING SOUTH	A



SCALE: N.T.S.	UTILITY POLE DETAIL	POLE# 70, NODE 6	LOOKING WEST	B

SCALE: N.T.S.	SITE POLE PICTURE (PHOTO SIMULATION)	C

REMOTE / NEXTG EQUIPMENT @ 12:00 (ON UNISTRUT)
1-1" SCH 80 PWR RISER @ 12:00 (ON UNISTRUT)
1-2" SCH 80 NEXTG RISER @ 12:00 (ON UNISTRUT)



SCALE: N.T.S.	RISER POLE DETAIL #1	POLE#70, NODE 6	D

General Specifications

Performance
Voltage range per 120VAC: 85 to 137VAC w/o going to batteries; 165 to 325VDC w/o going to batteries
240VAC: 170 to 265VAC w/o going to batteries
Output voltage: 120VAC
Regulation: ±10% over full input voltage range
Waveform: Pure sine wave
Typical efficiency: >92%
Power factor rating: >0.99
Typical total harmonic THD: <3%
Typical transfer time: <5ms
Audible noise @ 1m: 45dBA

Battery Runtimes*

	Novus M.Ont.	Novus Micro XC	Novus Micro XL3
	2x100Ah Batteries	2x120Ah Batteries	4x120Ah Batteries
200W	2 hrs 12mins	3hrs 23mins	5hrs 47mins
	4x55Ah Batteries	4x90Ah Batteries	4x120Ah Batteries
100W	3hrs	5 hr 37mins	9hrs 36mins

*Battery runtimes assume 25% depth of discharge, and the operating temperature. Other battery options are available. Contact Alpha or your local installer and consultant.

Environmental Specifications

Operating temperature: -40 to 70°C (-40 to 158°F)*
Storage temperature: -40 to 70°C (-40 to 158°F)
Operating altitude**: 12,000ft/3658m
Operating humidity: Up to 95%

*The inverter in the UPS should only operate in a cooler, dust and water temperature, the unit should not exceed 50°C.
**Derate 3°C per 1000ft (1°C per 305m) above 6000ft (1829m).

Standard Features

Hot-swappable batteries
Alpha User Software: StrataCore™ based communication software
Alpha Web Software: Embedded EPO (Above 1000)
Wall, pole, or overhead mounting (UL and NL)
Automatic Voltage Regulation (AVR)
User adjustable charger (all, NA, NBL)
Programmable low current relays (NC & NO)
Remote battery ground protection

Mechanical Specifications

Novus M.Ont.	Novus XL	Micro M.3
Width (inches)	14.1/358	14.1/358
Height (inches)	19.6/502.6	26.2/671.6
Depth (inches)	11.5/293.6	11.5/293.6
Unit Weight*		
Min w 3/20 Batt	44/20	60/27
Micro 3000 Batt	47/21	82/37

*Select weights (see Unit Guide for details)

Agency Compliance

Electrical safety: UL1778, CSA 22.2 No. 107.3
EMI: EN55022 Level A, FCC CISPR22, EN55032
Nano: CE

*CE applies to 230VAC versions only

SCALE: N.T.S.	POWER SUPPLY SPECIFICATIONS	POLE# 70, NODE 6	E

NextG Networks of California, Inc.
850 TASMAN DRIVE
MILPITAS, CA. 95035-7439
PHONE: (408) 954-1580

PROJECT INFORMATION:

KANSAS
(KC74XC470_06)

CURRENT ISSUE DATE:

01/28/11

PERMIT SUBMISSION:

REV.:	DATE:	DESCRIPTION:	BY:

PLANS PREPARED BY:

FINLEY ENGINEERING
INNOVATION TO THE NEXT POWER
104 E. 11TH STREET LAMAR, MO 64759
TEL.: 417.682.5531 EMAIL: FECINC.COM

PLANS APPROVED BY:

NextG Networks of California, Inc.

REP:

COMMENTS:

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811
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SHEET TITLE:

NEXTG NETWORKS
WOOD POLE APPLICATION
POLE TOP ANTENNA MOUNT

SHEET NUMBER: 1 REVISION: 1 OF 2

UTILITY POLE EQUIPMENT PROFILES