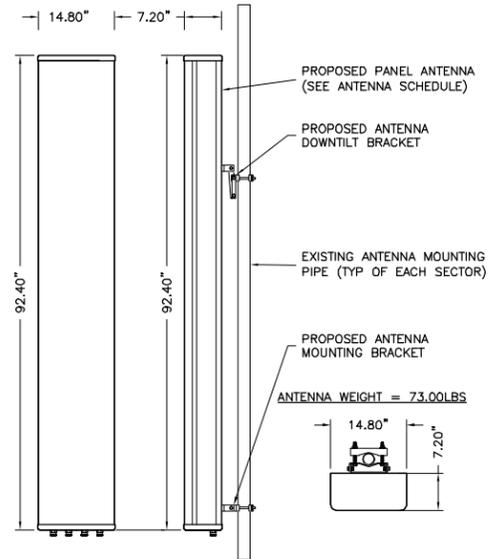
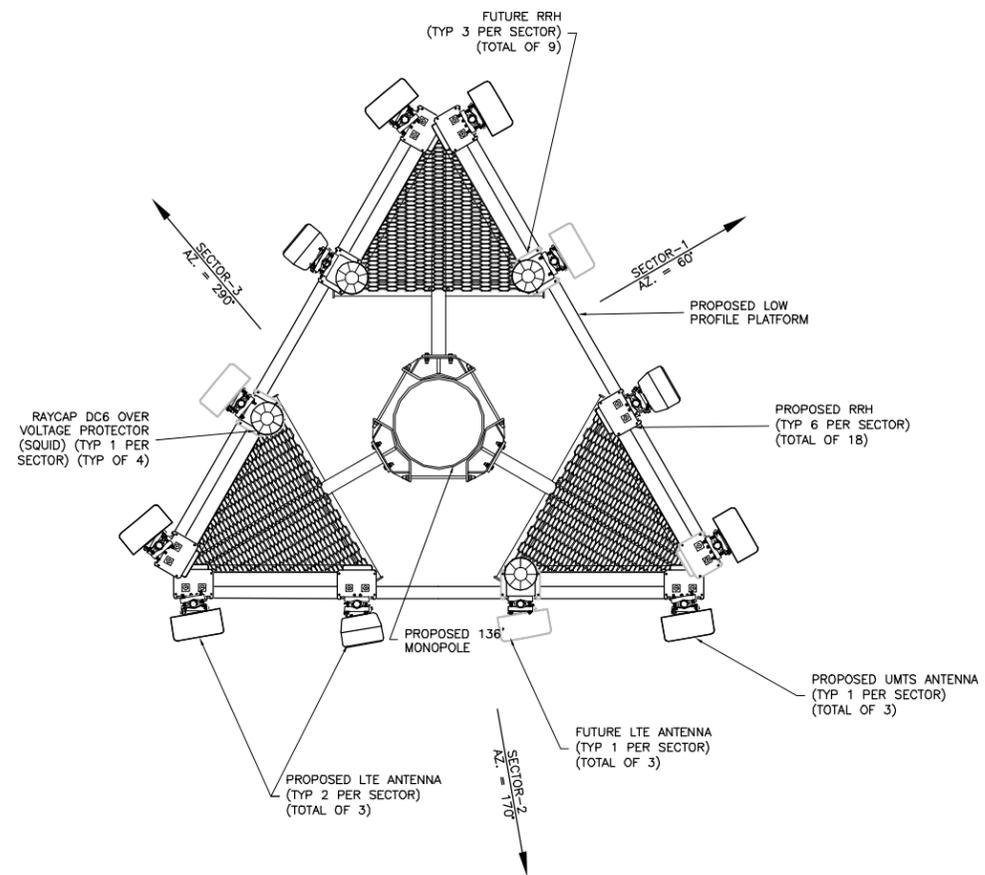


GENERAL ANTENNA NOTES

- ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
- ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
- CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
- CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
- CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH AT&T REPRESENTATIVE.
- CONTRACTOR SHALL INSTALL A BRASS IDENTIFICATION TAG 1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS. INSTALL TAGS AT PORT CONNECTION NEAR THE END OF JUMPER AND ONE ON THE END NEAR THE RADIO EQUIPMENT. EACH TAG SHALL BE STAMPED WITH "AT&T" AND THE PORT IDENTIFICATION NUMBER. TAG SHALL BE ATTACHED WITH CORROSION PROOF WIRE SUCH AS STAINLESS SEIZING WIRE.
- PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES. THE OWNER'S AGENT SHALL FURNISH A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER STATING THAT THIS STRUCTURAL ANALYSIS WAS PREPARED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.



1 HPA-65R-BUU-H8 ANTENNA DETAIL
A-1 NTS



2 ANTENNA MOUNTING PLAN
A-1 NTS

ANTENNA AND COAX CABLE SCHEDULE

ANTENNA POSITION	ANTENNA VENDOR	ANTENNA /QUANTITY MODEL #	AZIMUTH	RAD CENTER	M TILT	CABLE QUANTITY, MODEL, SIZE	CABLE LENGTH	DIMENSION/WEIGHT	RRH QUANTITY/MODEL #
SECTOR #1	#1	CCI (1) HPA-65R-BUU-H8	60°	116.00'	0°	(1)FEEDER TRUNK (1 FIBER & 2 DC CABLES)	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 MODULE (FUTURE)
	#2	CCI (1) HPA-65R-BUU-H8	60°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700,(1)RRUS32-2300
	#3	CCI (1) HPA-65R-BUU-H8	60°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850
	#4	CCI (1) HPA-65R-BUU-H8	60°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 LET-1900 MODULE
SECTOR #2	#5	CCI (1) HPA-65R-BUU-H8	170°	116.00'	0°	(1)FEEDER TRUNK (1 FIBER & 2 DC CABLES)	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 MODULE (FUTURE)
	#6	CCI (1) HPA-65R-BUU-H8	170°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700,(1)RRUS32-2300
	#7	CCI (1) HPA-65R-BUU-H8	170°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850
	#8	CCI (1) HPA-65R-BUU-H8	170°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 LET-1900 MODULE
SECTOR #3	#9	CCI (1) HPA-65R-BUU-H8	290°	116.00'	0°	(1)FEEDER TRUNK (1 FIBER & 2 DC CABLES)	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 MODULE (FUTURE)
	#10	CCI (1) HPA-65R-BUU-H8	290°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700,(1)RRUS32-2300
	#11	CCI (1) HPA-65R-BUU-H8	290°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850
	#12	CCI (1) HPA-65R-BUU-H8	290°	116.00'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 ,(1)RRUS12-1900 (1)A2 LET-1900 MODULE

NOTE:
CONTRACTOR SHALL OBTAIN THE RF SHEET PRIOR TO CONSTRUCTION.

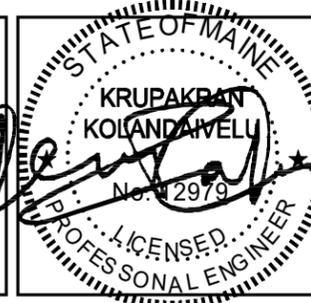
NOTES:
1. CABLE LENGTH INCREASED BY 10%



ME5372
LUCAS TREE
636 RIVERSIDE STREET
PORTLAND, ME 04103
CITY OF PORTLAND

REVISIONS

REV	DATE	DESCRIPTION	BY
3	06/06/14	REVISED PER COMMENTS	DAK
2	05/22/14	PRELIMINARY CDs	DAK
1	03/20/14	REVISED PER COMMENTS	DAK
0	10/10/13	PRELIMINARY ZDs	DAK



KRUPAKARAN KOLANDAIVELU P.E.
ME PROFESSIONAL ENGINEER LIC. #12979

ANTENNA MOUNTING PLAN & DETAILS

A-1



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 07/08/14

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER