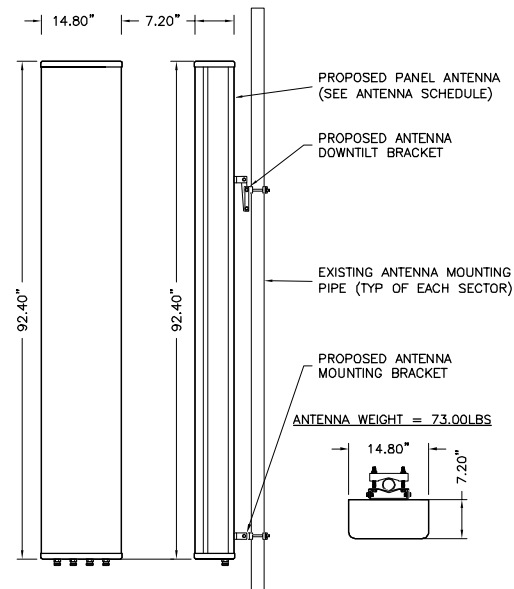
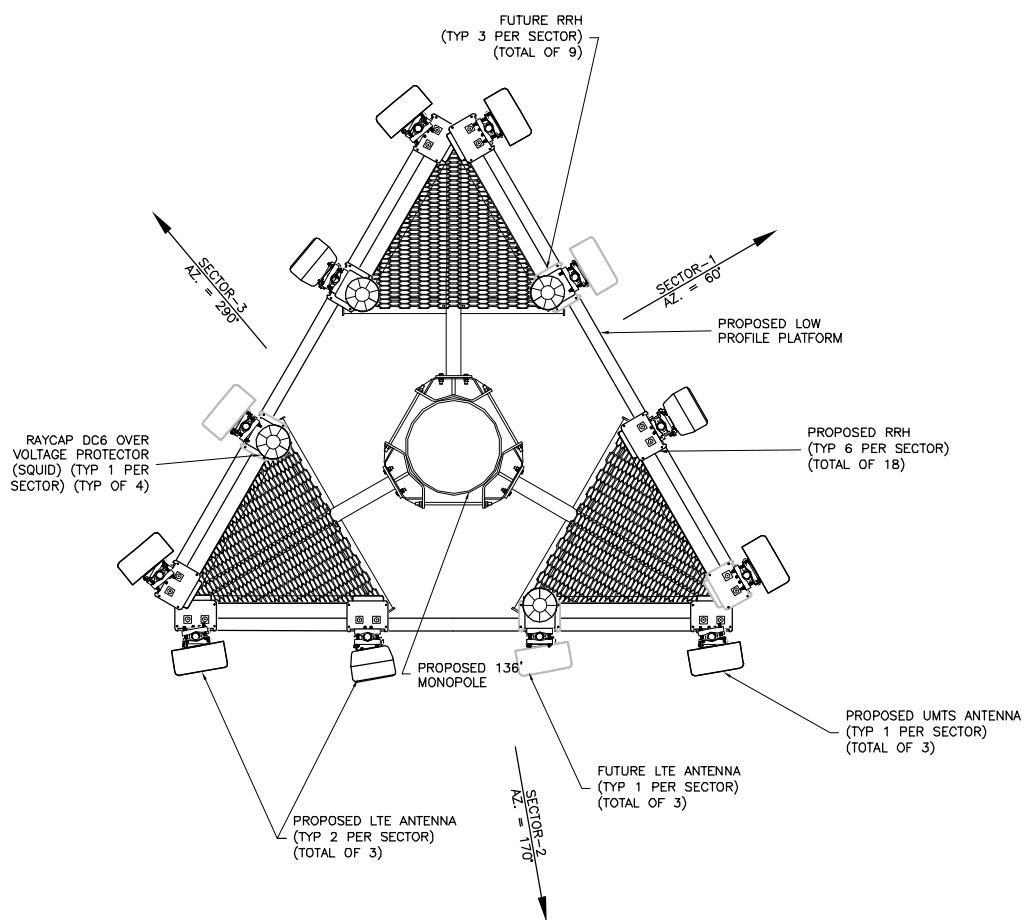


**GENERAL ANTENNA NOTES**

- 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 QUNTY/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%

ENGINEER	<p><b>TOTALLY COMMITTED.</b></p> <p>NB+C ENGINEERING SERVICES, LLC. 1777 SENTRY PARKWAY WEST DUBLIN HILL, SUITE 210 BLUE BELL, PA 19422 (267) 480-9122</p>																				
APPLICANT	<p>at&amp;t mobility corp. 550 COCHITUATE ROAD FRAMINGHAM, MA 01701</p>																				
SITE INFORMATION	<p>ME5372 LUCAS TREE 636 RIVERSIDE STREET PORTLAND, ME 04103 CITY OF PORTLAND</p>																				
DESIGN RECORD	<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>06/06/14</td> <td>REVISED PER COMMENTS</td> <td>DAK</td> </tr> <tr> <td>2</td> <td>05/22/14</td> <td>PRELIMINARY CDs</td> <td>DAK</td> </tr> <tr> <td>1</td> <td>03/20/14</td> <td>REVISED PER COMMENTS</td> <td>DAK</td> </tr> <tr> <td>0</td> <td>10/10/13</td> <td>PRELIMINARY ZDs</td> <td>DAK</td> </tr> </tbody> </table>	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
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																		
PROFESSIONAL STAMP																					
ENGINEER	<p>KRUPAKARAN KOLANDAVELU P.E. ME PROFESSIONAL ENGINEER LIC. #12979</p>																				
SHEET TITLE	<p>ANTENNA MOUNTING PLAN &amp; DETAILS</p>																				
SHEET NUMBER	<p>A-1</p>																				