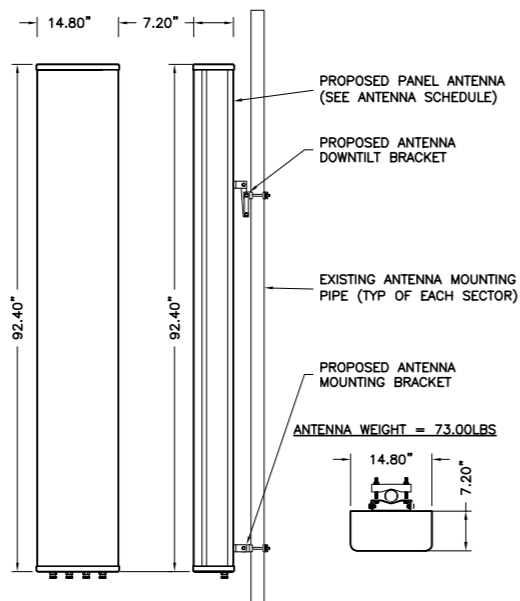
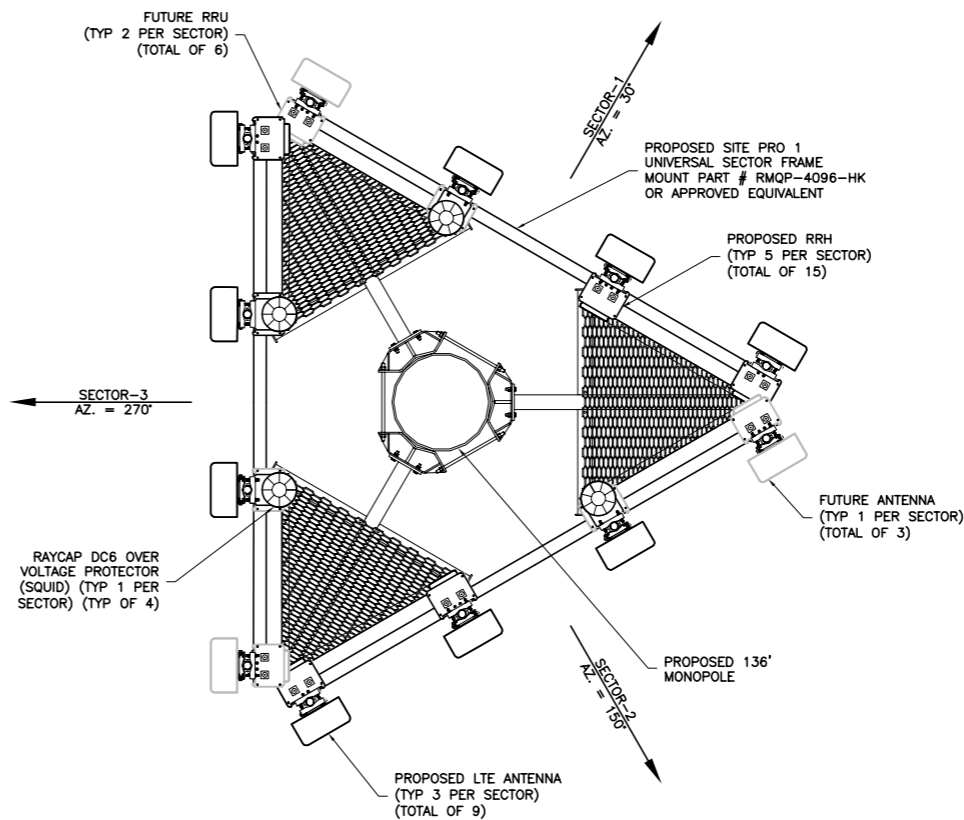


GENERAL ANTENNA NOTES

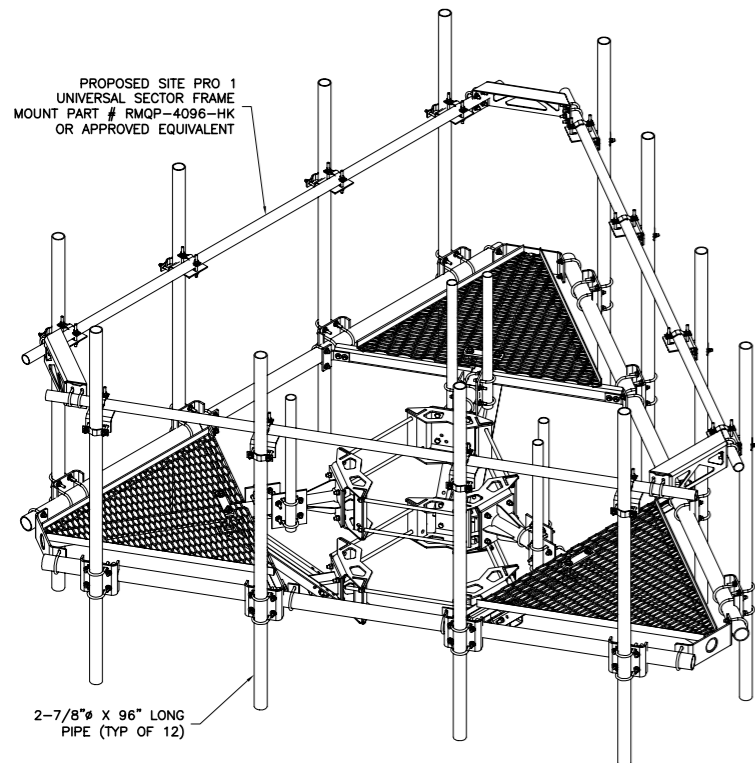
1. ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
2. ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.0'.
3. CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE & AZIMUTH.
4. CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. ALL CABLE LENGTHS ARE ESTIMATED AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. COLOR TAPE MARKINGS MUST BE 3/4" WIDE AND UV RESISTANT, SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE.
7. CONTRACTOR SHALL COORDINATE COLOR CODINGS IN THE FIELD WITH AT&T REPRESENTATIVE.
8. 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.
9. 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



3 ANTENNA PLATFORM
A-1 NTS

ANTENNA AND COAX CABLE SCHEDULE											
ANTENNA POSITION	STATUS	ANTENNA VENDOR	ANTENNA /QUANTITY MODEL #	AZIMUTH	RAD CENTER	M TILT	CABLE QUANTITY, MODEL, SIZE	CABLE LENGTH	DIMENSION/WEIGHT	RRH QUNTY/MODEL #	
SECTOR #1	#1	FUTURE	CCI (1) HPA-65R-BUU-H8	30°	116.0'	0°	(2) FIBER TRUNKS (8) DC TRUNKS	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 (FUTURE)	
	#2	PROPOSED	CCI (1) HPA-65R-BUU-H8	30°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700 (FUTURE) (1)RRUS32-2300	
	#3	PROPOSED	CCI (1) HPA-65R-BUU-H8	30°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1) RRUS11 (1) A2 MODULE	
	#4	PROPOSED	CCI (1) HPA-65R-BUU-H8	30°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-700 (2)RRUS12-1900	
SECTOR #2	#5	FUTURE	CCI (1) HPA-65R-BUU-H8	150°	116.0'	0°	SHARED WITH ALPHA	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 (FUTURE)	
	#6	PROPOSED	CCI (1) HPA-65R-BUU-H8	150°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700 (FUTURE) (1)RRUS32-2300	
	#7	PROPOSED	CCI (1) HPA-65R-BUU-H8	150°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1) RRUS11 (1) A2 MODULE	
	#8	PROPOSED	CCI (1) HPA-65R-BUU-H8	150°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-700 (2)RRUS12-1900	
SECTOR #3	#9	FUTURE	CCI (1) HPA-65R-BUU-H8	270°	116.0'	0°	SHARED WITH ALPHA	160'±	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-850 (FUTURE)	
	#10	PROPOSED	CCI (1) HPA-65R-BUU-H8	270°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUSE2-700 (FUTURE) (1)RRUS32-2300	
	#11	PROPOSED	CCI (1) HPA-65R-BUU-H8	270°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1) RRUS11 (1) A2 MODULE	
	#12	PROPOSED	CCI (1) HPA-65R-BUU-H8	270°	116.0'	0°	-	-	92.4"x14.8"x7.4"/68.0 LBS	(1)RRUS11-700 (2)RRUS12-1900	

NOTES:
1. CABLE LENGTH INCREASED BY 10%

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

ENGINEER	<p>TOTALLY COMMITTED.</p> <p>NB+C ENGINEERING SERVICES, LLC. 100 APOLLO DRIVE SUITE 303 CHELMSFORD, MA 01824 (978) 856-6308</p>																																				
APPLICANT	<p>at&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	<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>12/12/16</td> <td>REVISED PER RF SHEET</td> <td>MJS</td> </tr> <tr> <td>6</td> <td>02/09/15</td> <td>FINAL CDS</td> <td>KMD</td> </tr> <tr> <td>5</td> <td>01/05/15</td> <td>REVISED PER RF SHEET</td> <td>KMD</td> </tr> <tr> <td>4</td> <td>08/27/14</td> <td>REVISED COORDINATES</td> <td>KMD</td> </tr> <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	7	12/12/16	REVISED PER RF SHEET	MJS	6	02/09/15	FINAL CDS	KMD	5	01/05/15	REVISED PER RF SHEET	KMD	4	08/27/14	REVISED COORDINATES	KMD	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
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ENGINEER	<p>KRUPAKARAN KOLANDAIVELU P.E. ME PROFESSIONAL ENGINEER LIC. #12979</p> <p><small>IT IS A VIOLATION OF THE LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO ALTER THIS DOCUMENT. UNLESS EXPLICITLY AGREED TO BY THE ENGINEER IN WRITING, THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE ISSUE, REVISION OR MODIFICATION OF THE CONTENTS HEREIN.</small></p>																																				
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