NOTES:

1. REFER TO RF CONFIG & SECTOR SCHEMATICS FOR MODEL, TYPE & QUANTITY REQUIRED PER SECTOR

NOTE:
REFER TO STRUCTURAL ANALYSIS BY: HUDSON DESIGN GROUP, LLC, DATED: FEBRUARY 12, 2016, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

PROPOSED LTE 5C ANTENNA (TYP. OF 1 PER SECTOR, TOTAL OF 3) INSTALLED ON EXISTING MOUNTING PIPE
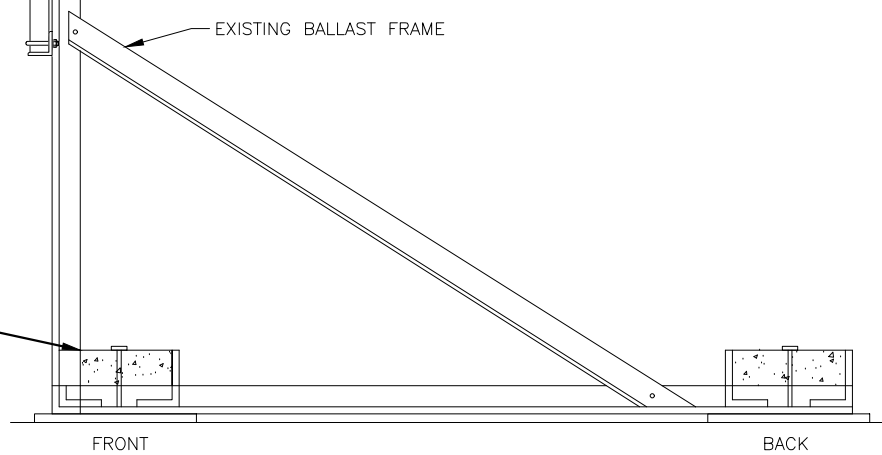
EXISTING MOUNTING PIPE

PROPOSED LTE 5C ANTENNA (TYP. OF 1 PER SECTOR, TOTAL OF 3) INSTALLED ON EXISTING MOUNTING PIPE

EXISTING MOUNTING PIPE

PROPOSED ANTENNA MOUNTING BRACKET (TYP.)

PROPOSED/ EXISTING ANTENNA

PROPOSED LTE 5C ANTENNA MOUNTING DETAIL @ GAMMA (2) A-4
SCALE: N.T.S

EXISTING MOUNTING PIPE

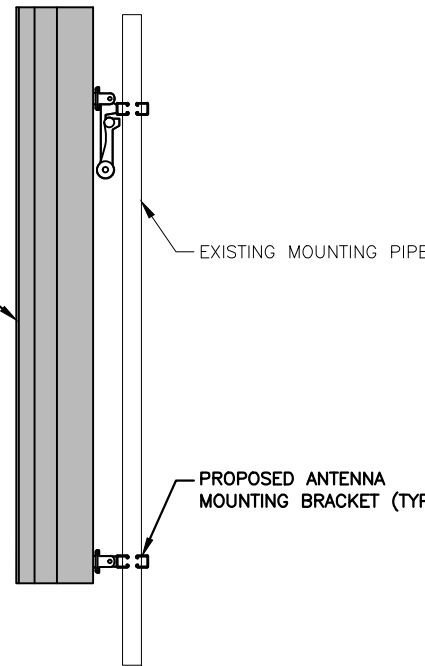| NUMBER OF BLOCKS PER SIDE	FRONT	BACK
SIZE OF BLOCKS	4"x8"x16" (SOLID)	4"x8"x16" (SOLID)
WEIGHT OF BLOCKS	38 lbs. EACH	38 lbs. EACH
TOTAL NUMBER OF BLOCKS	20	34
TOTAL WEIGHT OF BLOCKS PER SIDE	760 lbs.	1,292 lbs.

EXISTING BALLAST FRAME

PROPOSED & EXISTING BALLAST BLOCKS (SEE CHART FOR DETAILS)

FRONT   BACK

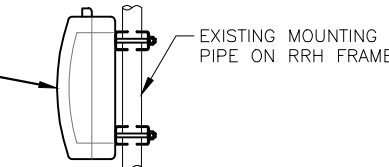**PROPOSED LTE 5C ANTENNA MOUNTING DETAIL @ ALPHA & BETA** (1) A-4
SCALE: N.T.S

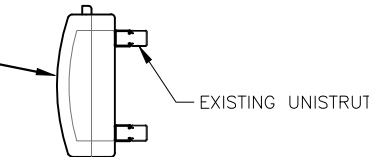PROPOSED RRH (TYP. OF 1 PER SECTOR, TOTAL OF 3) INSTALLED ON EXISTING MOUNTING PIPE
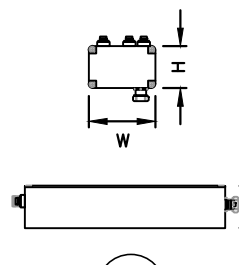
EXISTING MOUNTING PIPE ON RRH FRAME

PROPOSED RRH MOUNTING DETAIL (3) A-4
SCALE: N.T.S

PROPOSED RRH (TYP. OF 1 PER SECTOR, TOTAL OF 3) INSTALLED ON EXISTING UNISTRUT
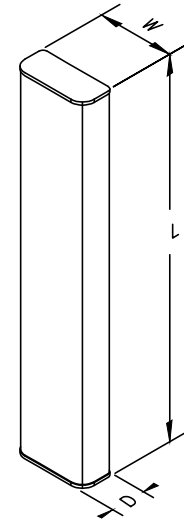
EXISTING UNISTRUT

PROPOSED RRH MOUNTING DETAIL (4) A-4
SCALE: N.T.S

TRIPLEXERS DIMENSIONS	
MODEL #	TPX-070821
MANUF.	CCI
HEIGHT	5.83"
WIDTH	9.65"
DEPTH	2.05"
WEIGHT	7.5 LBS

PROPOSED TRIPLEXERS (5) A-4
SCALE: N.T.S

TECHNOLOGY	POSITION	ANTENNA MODEL	L	W	D
UMTS DB	1 (ALPHA)	7750	57.0"	11.0"	5.0"
LTE 850 / AWS	2 (ALPHA)	HPA-65R-BUU-H6	72.0"	14.8"	9.0"
LTE 700	3 (ALPHA)	AM-X-CD-16-65-OOT-RET	72.0"	11.8"	5.9"
LTE WCS/GSM 850	4 (ALPHA)	QS66512-3	72.0"	12.0	9.6"
UMTS DB	1 (BETA)	7750	57.0"	11.0"	5.0"
LTE 850 / AWS	2 (BETA)	SBNHH-1D65A	55.0"	11.9"	7.1"
LTE 700	3 (BETA)	AM-X-CD-14-65-OOT-RET	48..0"	11.8"	5.9"
LTE WCS/GSM 850	4 (BETA)	QS66512-3	72.0"	12.0	9.6"
UMTS DB	1 (GAMMA)	7750	57.0"	11.0"	5.0"
LTE 850 / AWS	2 (GAMMA)	HPA-65R-BUU-H6	72.0"	14.8"	9.0"
LTE WCS/GSM 850	3 (GAMMA)	QS66512-3	72.0"	12.0	9.6"
LTE 700	4 (GAMMA)	AM-X-CD-16-65-OOT-RET	72.0"	11.8"	5.9"

ANTENNA DETAIL (6) A-4
SCALE: N.T.S

NOTE:
SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER

PROPOSED RRH REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

	L	W	D
RRUS - 32	26.7"	12.1"	6.7"
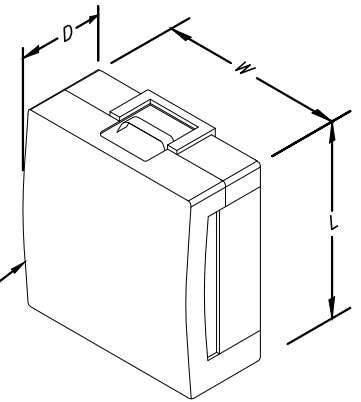
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

RRH DETAIL (7) A-4
SCALE: N.T.S

SITE NUMBER: ME5040
SITE NAME: MUNJOY HILL

211 CUMBERLAND AVENUE
PORTLAND, ME 04101
CUMBERLAND COUNTY

at&t
550 COCHITUATE ROAD
FRAMINGHAM, MA 01701

AT&T

DETAILS
(LTE 5C 2016)

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	03/08/16	ISSUED FOR CONSTRUCTION	JR	HC	
0	02/01/16	ISSUED FOR REVIEW	JR	HC	

SCALE: AS SHOWN	DESIGNED BY: HC	DRAWN BY: JR

JOB NUMBER: ME5040
DRAWING NUMBER: A-4
REV: 1

STATE OF MAINE
DEREK G. CREASER
NO. 12752
LICENSED PROFESSIONAL ENGINEER