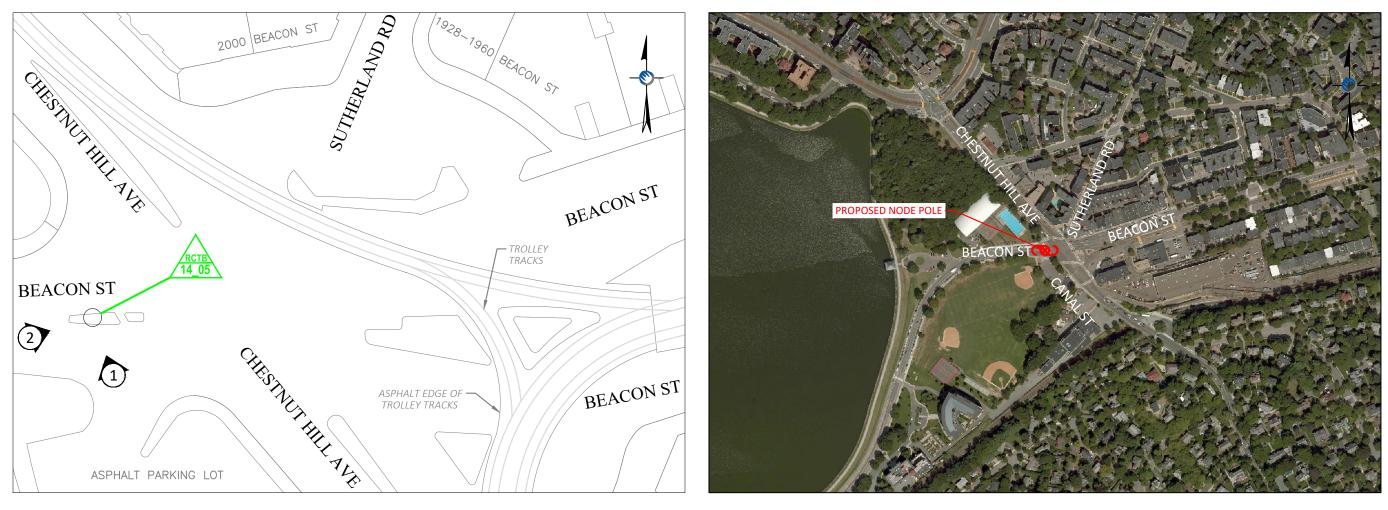
PROJECT DESCRIPTION:

THESE PLANS REPRESENT A PORTION OF A PROPOSED SMALL CELL BUILD INVOLVING THE INSTALLMENT OF AN ANTENNA AND RADIO EQUIPMENT ON AN EXISTING WOODEN UTILITY OR REPLACEMENT METAL STREETLIGHT POLES.

EXTENET SYSTEMS 355 CHESTNUT HILL AVE BOSTON, MA 02135 (WEST INTERSECTION OF CHESTNUT HILL AVE AND BEACON ST)

CRAN_RCTB_00014_05 NE-MA-ALBRD3M1-14005



LATITUDE: 42.335980° LONGITUDE: -71.151166° ELEVATION: 111.52' AGL SCALE: 1" = 50' PROJECT LOCATION - NODE RCTB-14_05 SCALE: 1" = 500'

PROJECT INFORMATION

INDEX:

1	COVER PAGE	
2	SIDE PROFILE	
3	REAR PROFILE	
4	DETAILS - ANTENNA AND RADIOS	
5	DETAILS - RADIO SHROUD	
6	DETAILS - CONCRETE FOUNDATION	
7	EXISTING PHOTO / WIRING DIAGRAM	

POLE OWNER: CITY OF BOSTON

CONTACT: RICK ANGELINI 3030 WARRENVILLE RD SUITE 340 LISLE, IL 60532 NOC: (866) 892-5327

LOCATION:

BOSTON, MA

NOTES:

PREPARED FOR:





NODE

RCTB-14_05

COVER PAGE

REVISIONS				
REV	DESCRIPTION		DATE	
1	UPDATED EQUIPMENT & INFO		03/13/18	
2	UPDATE PER EXTENET		03/19/18	
DRA	FTER: MMS/SML			
SCALE: AS SHOWN				
ISSUE DATE: 02/13/18		1		
INDEX NAME: RCTB-14_05			•	
SHEE	T#: 1 OF 7			

DRAWINGS NOTES:

NOTE 1: PROPOSED FIBER TO BE INSTALLED BY OTHERS

NOTE 2: PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE

NOTE 3: FCC MANDATED SIGNAGE TO BE ATTACHED TO POLE

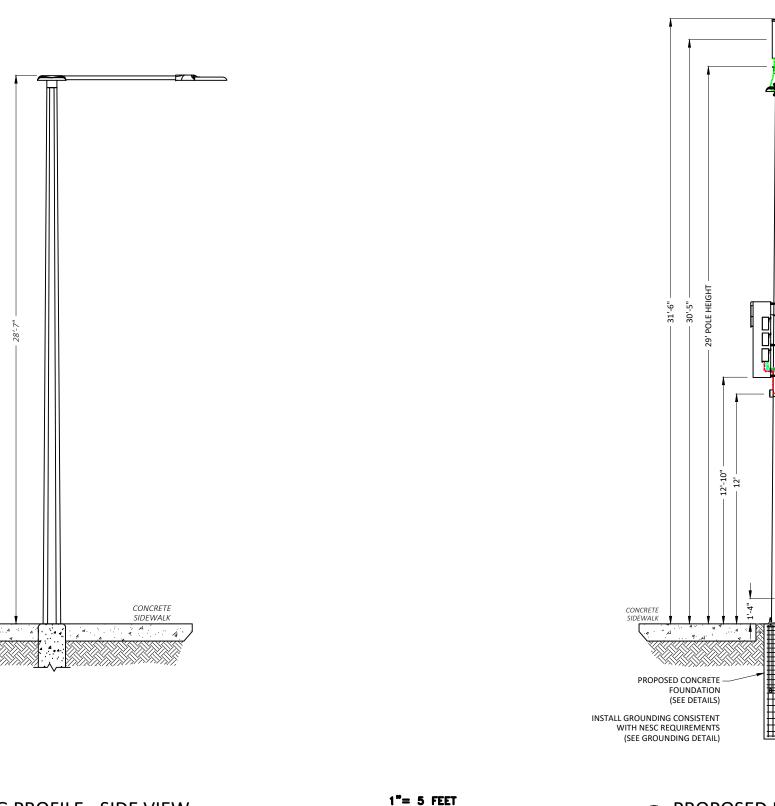
CONCRETE

SIDEWALK

" A

1 EXISTING PROFILE - SIDE VIEW LOOKING NORTHWEST ALONG BEACON ST

NODE RCTB-14_05 355 CHESTNUT HILL AVE, BOSTON, MA SIDE PROFILE



10



PROPOSED ANTENNA ASSEMBLY WITH 4G/LTE COMPATIBLE GALTRONICS GQ2410-06621 ANTENNA

(SEE DETAIL)

(SEE DETAILS)

CONCRETE

SIDEWALK

À

PROPOSED CUSTOM MOUNTING BRACKET WITH ADJUSTABLE MOUNTING PLATE

PROPOSED INSTALL LUMINAIRES ON NEW 6' STRAIGHT ARM PER C.O.B. STANDARDS

PROPOSED SLOTTED OPENING FOR ANTENNA CABLES

PROPOSED COAX FEED LDF4-50A (1/2")

- PROPOSED HP COMMUNICATIONS SHROUD WITH (2) ERICSSON 2203 RADIOS AND (1) ERICSSON 2205 RADIO

- PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) $\ensuremath{\mathcal{Y}}^{"}$ KNOCK OUTS ATTACHED TO $\ensuremath{\mathcal{Y}}^{"}$ THREADED HOLE IN POLE

- PROPOSED POWER FEED

PROPOSED FIBER FEED BY OTHERS

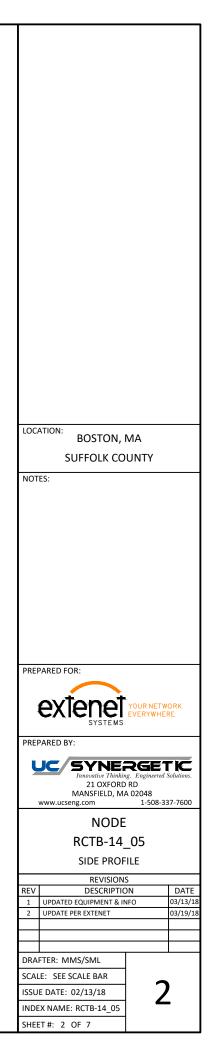
- PROPOSED 29' VISCO STEEL "LOOK ALIKE" POLE PAINTED TO MATCH EXISTING PER C.O.B. STANDARDS

PROPOSED 4" X 10" HANDHOLE WITH GROUNDING NUT AND COVER PLATE

> – PROPOSED QUAZITE HANDHOLE

PROPOSED FIBER TO VERIZON - MANHOLE VIA EXTENET CONDUIT

PROPOSED POWER FEED TO STREETLIGHT TO BE DISCONNECT/RECONNECTED BY EVERSOURCE AND REUSED

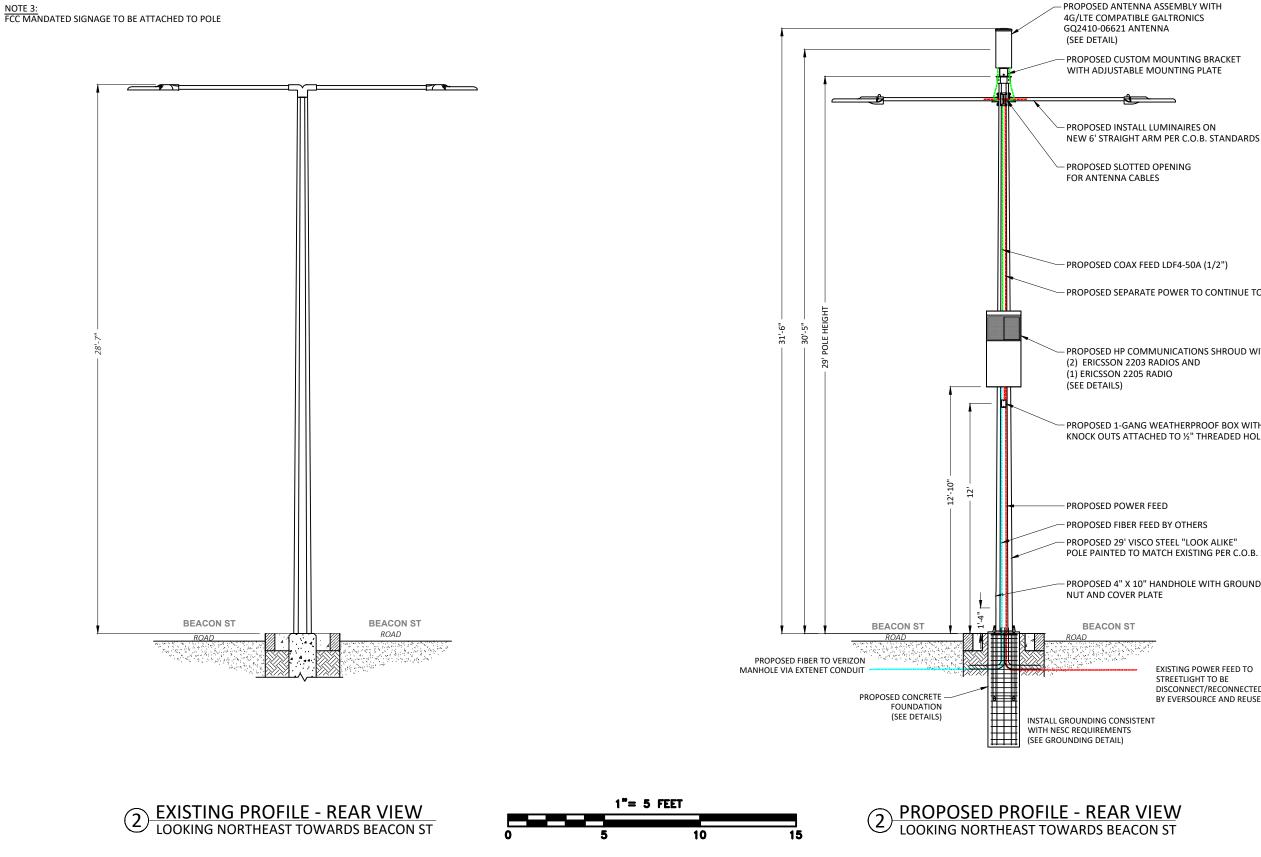


DRAWINGS NOTES:

NOTE 1: PROPOSED FIBER TO BE INSTALLED BY OTHERS

NOTE 2 PROPOSED EQUIPMENT TO BE PAINTED TO BLEND WITH POLE

NODE RCTB-14_05 355 CHESTNUT HILL AVE, BOSTON, MA **REAR PROFILE**



PROPOSED ANTENNA ASSEMBLY WITH

PROPOSED SEPARATE POWER TO CONTINUE TO STREET LIGHT

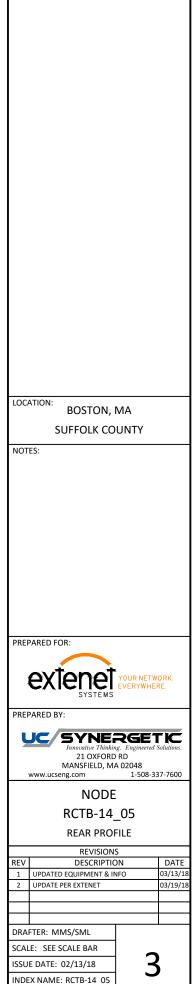
PROPOSED HP COMMUNICATIONS SHROUD WITH

PROPOSED 1-GANG WEATHERPROOF BOX WITH (5) 1/2" KNOCK OUTS ATTACHED TO 1/2" THREADED HOLE IN POLE

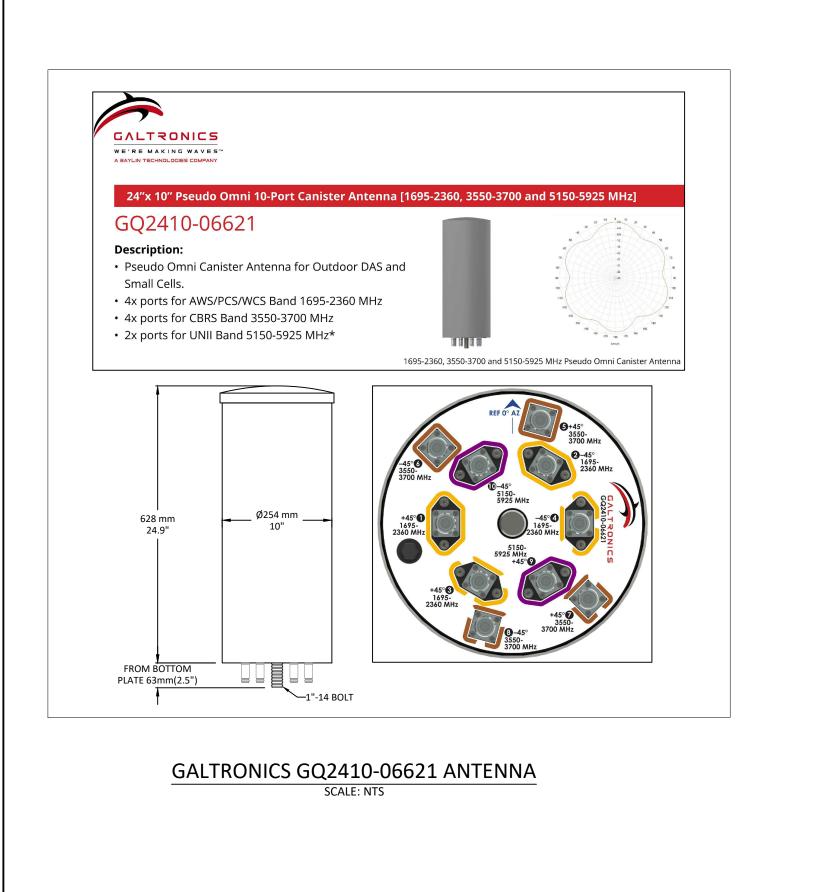
POLE PAINTED TO MATCH EXISTING PER C.O.B. STANDARDS

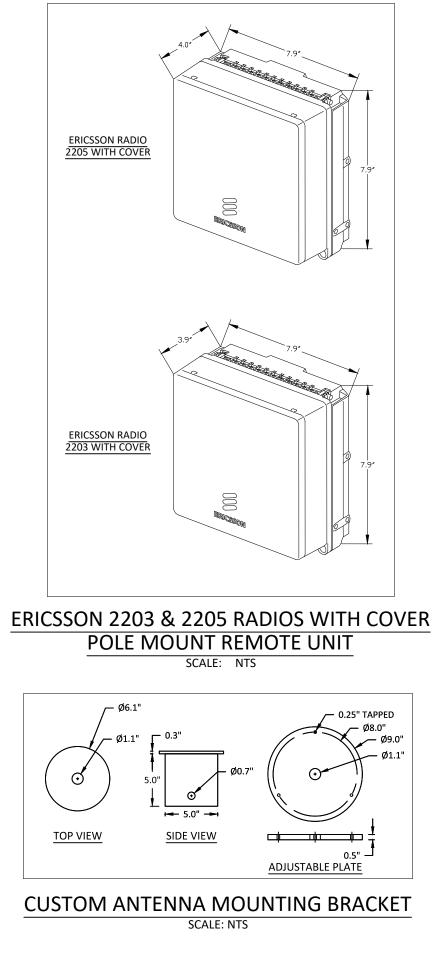
PROPOSED 4" X 10" HANDHOLE WITH GROUNDING

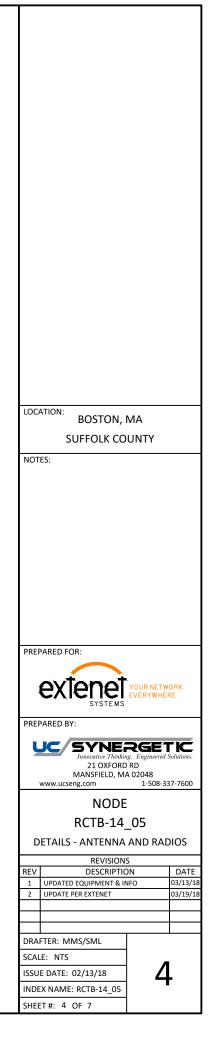
EXISTING POWER FEED TO STREETLIGHT TO BE DISCONNECT/RECONNECTED BY EVERSOURCE AND REUSED



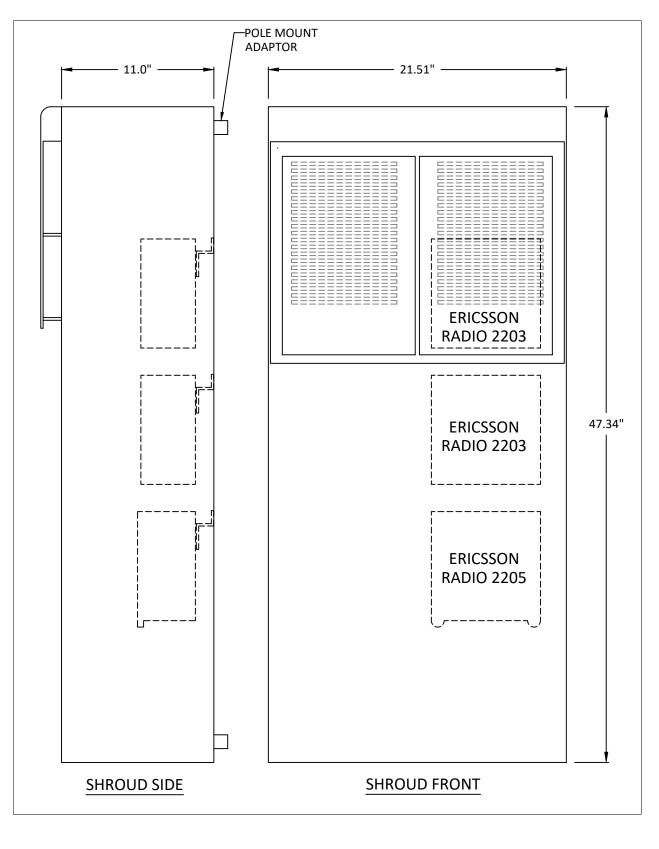
SHEET #: 3 OF 7

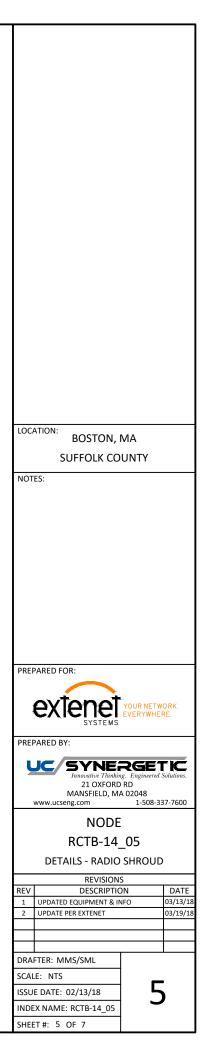


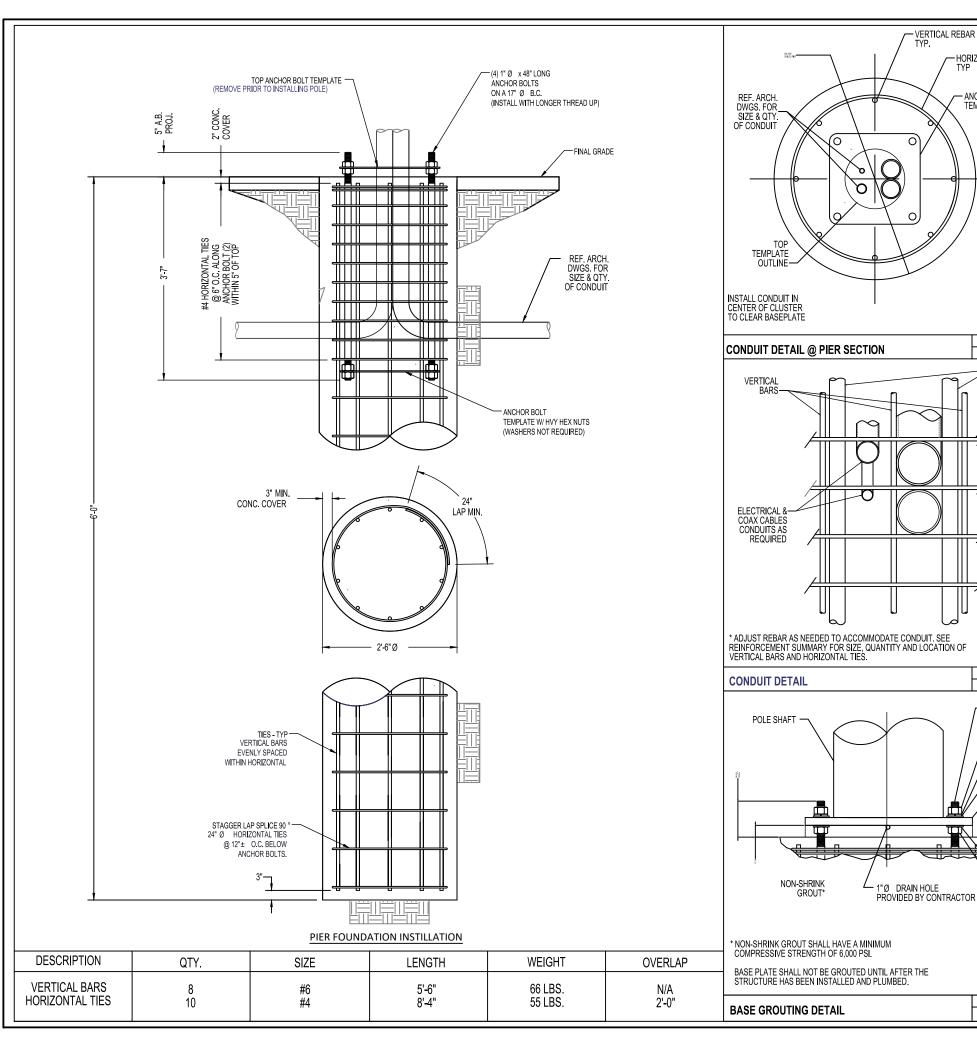




HP COMMUNICATIONS SHROUD <u>6.48 CUBIC FEET</u> SCALE: NTS







GENERAL NO 1. CONTRACTOR IS RESPO FACILITIES PRIOR TO EX 2. CONTRACTOR SHALL INS

5.

HORIZONTAL TIE TYP

- ANCHOR BOLT TEMPLATE

SCALE:

NONE

ANCHOR BOLTS

-HORIZONTAL

TIES

SCALE:

NONE

- ANCHOR BOLT

HEAVY HEX NUT

- LOCK WASHER

- FLAT WASHER

TOP OF

FOOTING

FLAT WASHER

- HEAVY HEX NUT

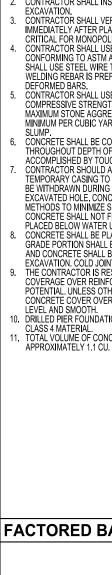
SCALE:

NONE

- BASE PLATE

2

1 9



MOME SHEAF VERTI

SPECIAL INSP

- SPECIAL INSPECTION: THE FOLLOWING ELEMENTS OF INSPECTION PER 2009/2012 IBC
- ITEM DESCRIPTION
- PIER EXCAVATION LATERAL BEARING CAP
- PIER CONSTRUCTION REINFORCING STEEL BAR SIZES AND INSTALL
 - ANCHOR BOLTS BOLT SIZE AND LENGTH INSTALLATION

3

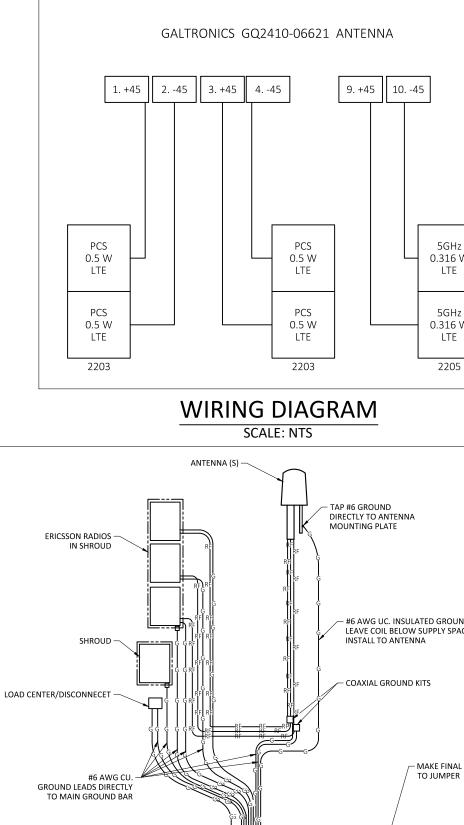
3

CONCRETE TEST SPECIMENS PLACEMENT OF CONCR

18

DTES			
XCAVATING A	R CHECKING AREA FOI ANY MATERIALS. REMOVE ALL DEBRIS		
LACING CONC	OR BOLT LAYOUT PRIC CRETE, ANCHOR BOLT		
/ A615 GR. 60 E TO HOLD RE	ITION. VIDE DEFORMED REIN (60,000 PSI MIN. YIELI EINFORCING BARS TO IBSTITUTE USING A70), Contractor Gether, IF	
GTH OF 4,000 REGATE, MIX I	VIDE CONCRETE WITH PSI. CONCRETE SHAL DESIGN: 6 1/2 SACKS IUM AND 7" MAXIMUM	L USE 1" OF CEMENT	
OF FOUNDATI UCHING REB/ ANTICIPATE O STABILIZE ⁻ G THE PLACE SEGREGATIC FREE FALL SEGREGATIC FREE FALL M R USING TREE PLACED TO TH L BE FORMED BE PLACED \ INTS ARE NO ESPONSIBLE IFORCING BAF THERWISE NC ER REBAR. TC	FOR VERIFYING ADE RS TO MINIMIZE CORF DTED, CONTRACTOR S DP OF FOOTING SHALL	IR DEPTHS MAY BE TOR. ENGTH E CASING SHALL IN THE CONVENTIONAL D AGGREGATE. CRETE MAY BE AND THE ABOVE INCHOR BOLTS, COMPLETING THE QUATE CONCRETE ROSION SHALL USE 3" L BE TROWELLED	
	PER 2009/2012 IBC, T/ UIRED FOR THIS FOU!		
U. YDS.			LOCATION: BOSTON, MA
			SUFFOLK COUNTY
			NOTES:
			_
BASEF	REACTION	IS	_
ENT AR	= 30.9 ft = 2.46 k = 1.67 k	ips	PREPARED FOR:
TICAL	= 1.67 k	ips	EXTERNET YOUR NETWORK. SYSTEMS
PECTI	ONS		Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048
	CTION SHALL REQUIR	E SPECIAI	www.ucseng.com 1-508-337-7600
BC, SECTION 1	1704		NODE RCTB-14 05
IN	ISPECTION BY	MATERIAL	DETAILS - CONCRETE FOUNDATION
PACITY	SOILS ENGINEER	300 PSF/FT LATERAL	REVISIONS REV DESCRIPTION DATE
LATION	SPECIAL INSPECTOR	ASTM A615 GR. 60	1 UPDATED EQUIPMENT & INFO 03/13/18 2 UPDATE PER EXTENET 03/19/18
THS	SPECIAL INSPECTOR	ASTM F1554 GR. 55	DRAFTER: MMS/SML SCALE: NTS
CRETE	SPECIAL INSPECTOR	fc = 4,000 PSI TYPE II CEMENT	ISSUE DATE: 02/13/18 INDEX NAME: RCTB-14_05
			SHEET #: 6 OF 7





SCALE: NTS

GROUNDING DIAGRAM

MAIN GROUND BAR -

#6 BARE SOLID COPPER — CONTINUOUS RUN

> 5⁄8" X 8' LONG COPPER CLAD MIN. 3' FROM POLE

		n
-45		
5GHz 0.316 W LTE 5GHz 0.316 W LTE 2205		
		BOSTON, MA
		SUFFOLK COUNTY
A		
ILATED GROUND WIRE W SUPPLY SPACE FOR NNA		PREPARED FOR: EXTERNET YOUR NETWORK. EVERYWHERE.
) KITS		SYSTEMS
		PREPARED BY: UC SYNERSEETC Innovative Thinking. Engineered Solutions. 21 OXFORD RD MANSFIELD, MA 02048
– MAKE FINAL BOND TO JUMPER		www.ucseng.com 1-508-337-7600
		RCTB-14_05 EXISTING PHOTO/WIRING DIAGRAM REVISIONS
– EXISTING GROUND ROD OR NEW COPPER CLAD STEEL GROUND ROD MIN. 3' FROM POLE		REV DESCRIPTION DATE 1 UPDATED EQUIPMENT & INFO 03/13/18 2 UPDATE PER EXTENET 03/19/18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	J	SCALE: NTS ISSUE DATE: 02/13/18 INDEX NAME: RCTB-14_05 SHEET #: 7 OF 7