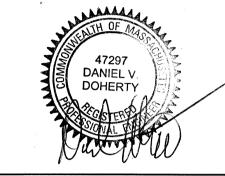


2012 MAR 13 PM 12: 01



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Burlington, MA 01803
Tel: 781.273.2500
Fax: 781.273.3311
www.ebiconsulting.com

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ENGINEER STAMP/SIGNATUR

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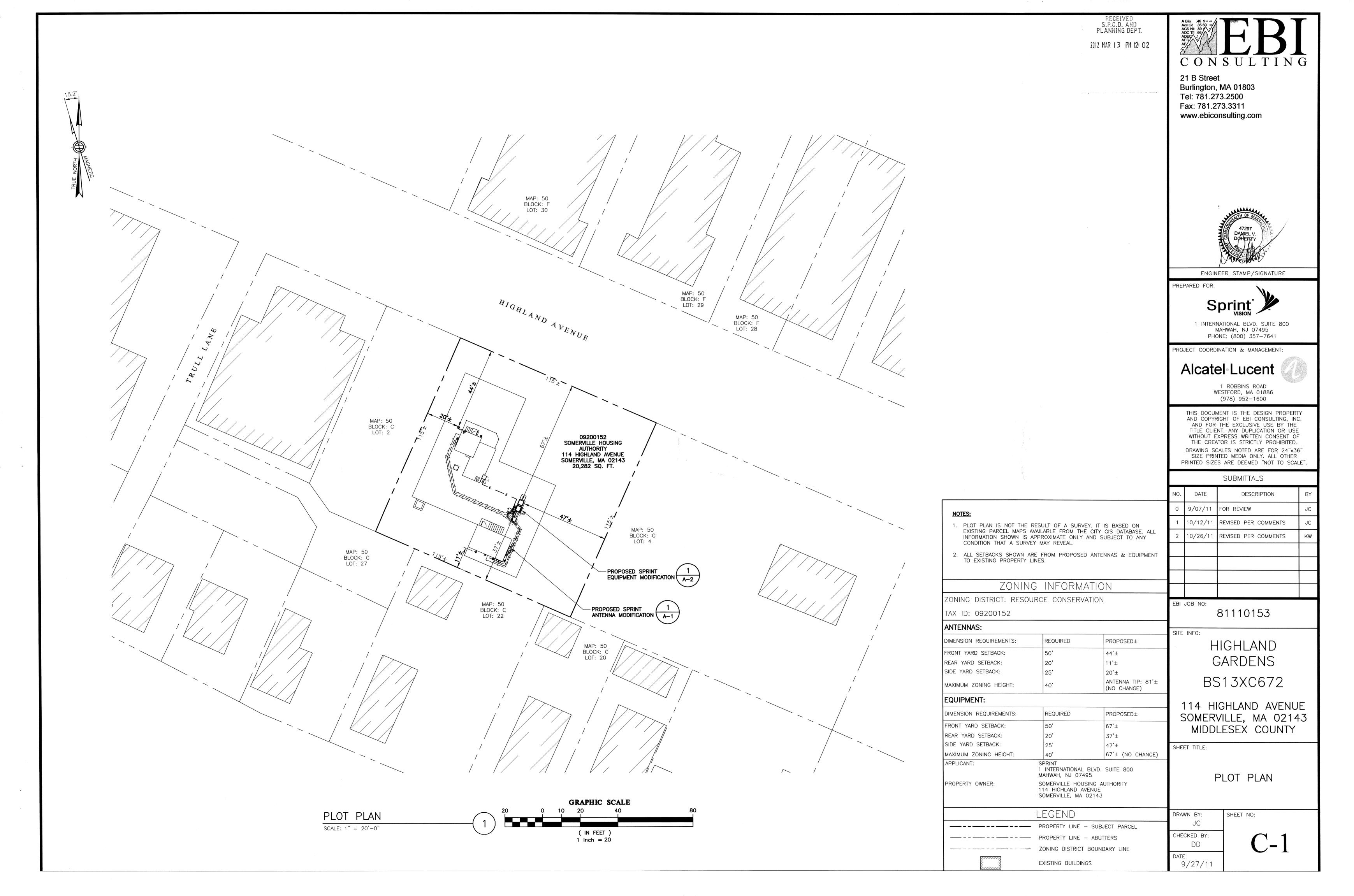
1 INTERNATIONAL BLVD. SUITE 80 MAHWAH, NJ 07495 PHONE: (800) 357—7641

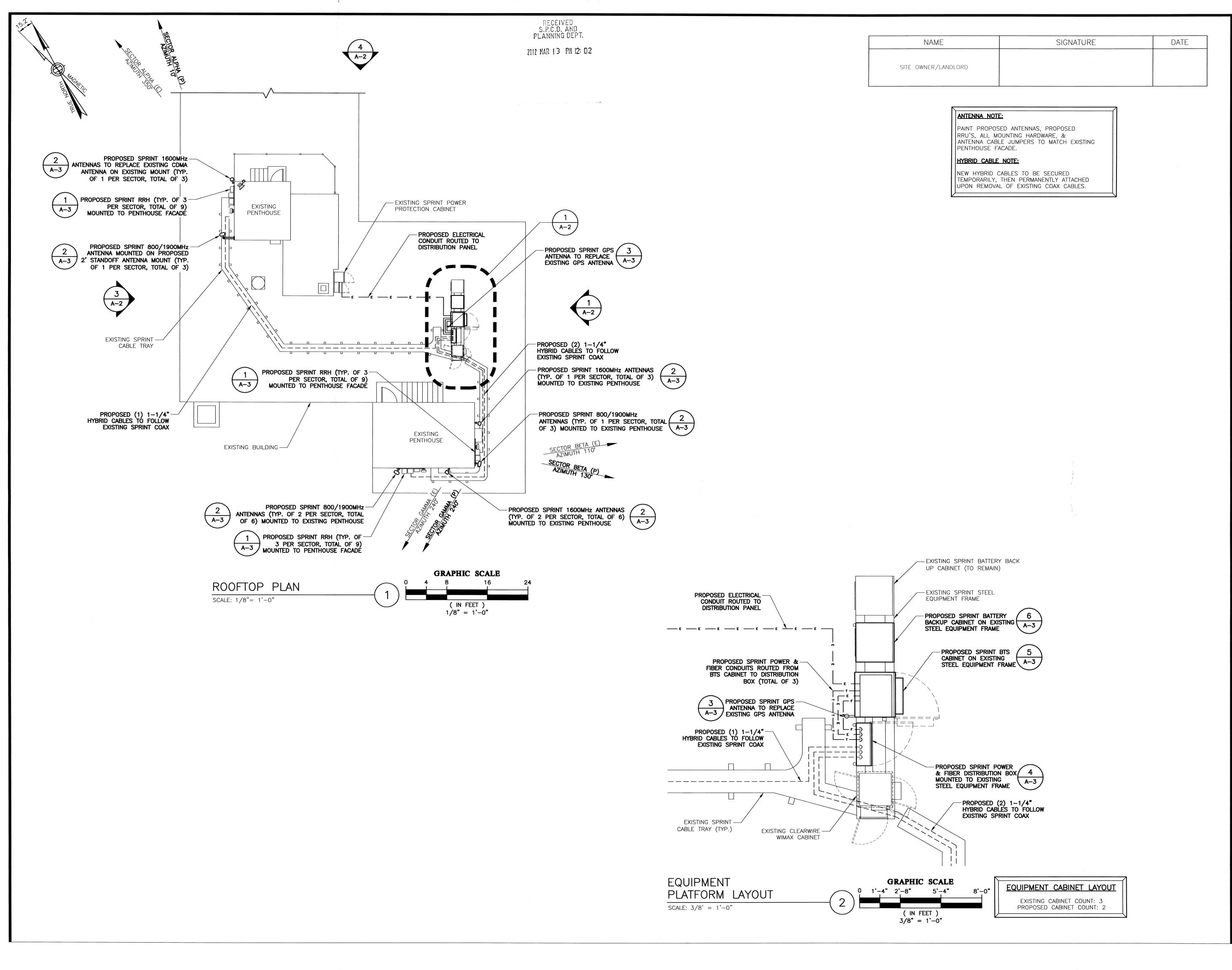
Sprint Sprint VISION

HIGHLAND GARDENS BS13XC672

114 HIGHLAND AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY

				PHONE: (800) 357-7641	
VICINITY MAP (NOT TO SCALE)	CODE COMPLIANCE	SCOPE OF WORK	SHEET INDEX	PROJECT COORDINATION & MANAGEMENT: Alcatel Lucent	
bens St & Mighland Ave of St Avon St Berkeley St & St	ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. 1. MASSACHUSETTS STATE BUILDING CODE 780 CMR - 8TH EDITION	 INSTALL (3) 1900/800 MHZ PANEL ANTENNAS & (3) 1600 MHZ PANEL ANTENNAS, & (9) REMOTE RADIO HEADS (RRH), ON EXISTING PENTHOUSE. REMOVE (1) EXISTING MODCELL CABINET & (1) EXISTING POWER CABINET FROM EXISTING STEEL EQUIPMENT FRAME. INSTALL (2) EQUIPMENT CABINETS ON EXISTING STEEL EQUIPMENT FRAME. ROUTE (3) HYBRID CABLES FROM PROPOSED EQUIPMENT TO PROPOSED REMOTE RADIO HEADS. REMOVE (6) EXISTING CDMA ANTENNAS & COAX. REPLACE EXISTING GPS ANTENNA WITH NEW GPS ANTENNA. 	SHEET DESCRIPTION T-1 TITLE SHEET C-1 PLOT PLAN A-1 ROOFTOP PLAN & EQUIPMENT PLATFORM LAYOUT A-2 ELEVATIONS A-3 ANTENNA SCENARIO A-4 EQUIPMENT DETAILS	1 ROBBINS ROAD WESTFORD, MA 01886 (978) 952–1600 THIS DOCUMENT IS THE DESIGN PROPERTY AND COPYRIGHT OF EBI CONSULTING, INC. AND FOR THE EXCLUSIVE USE BY THE TITLE CLIENT. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT OF THE CREATOR IS STRICTLY PROHIBITED. DRAWING SCALES NOTED ARE FOR 24"x36" SIZE PRINTED MEDIA ONLY. ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE". SUBMITTALS NO. DATE DESCRIPTION BY 0 9/07/11 FOR REVIEW JC 1 10/12/11 REVISED PER COMMENTS JC 2 10/26/11 REVISED PER COMMENTS KW	
Avonst St St St	PROJECT INFORMATION	PROJECT TEAM	APPROVALS		
Summer Summer S	SITE NAME: HIGHLAND GARDENS SITE NUMBER: BS13XC672 SITE ADDRESS: 114 HIGHLAND AVENUE	APPLICANT: SPRINT 1 INTERNATIONAL BLVD. SUITE 800	NAME SIGNATURE DATE	EBI JOB NO: 81110153	
GENERAL NOTES	SOMERVILLE, MA 02143 COUNTY: MIDDLESEX COUNTY ZONING DISTRICT: RESOURCE CONSERVATION TAX ID: 09200152 PROPERTY OWNER: SOMERVILLE HOUSING AUTH.	MAHWAH, NJ 07495 PHONE: (800) 357-7641 APPLICANT REPRESENTATIVE HPC DEVELOPMENT, LLC 400 TRADE CENTER	APPLICANT REPRESENTATIVE RF ENGINEER	HIGHLAND GARDENS BS13XC672	
OTHERWISE NOTED. 3. THIS IS AN UNMANNED FACILITY — NO SOLID WASTE. THE SITE WILL CREATE NO TRASH, THUS REQUIRES NO DUMPSTER.	114 HIGHLAND AVENUE SOMERVILLE, MA 02143 STRUCTURE TYPE: ROOFTOP STRUCTURE HEIGHT: 62'-0"± AGL PANEL ANTENNA RAD CENTER: 78'-0"± AGL	SUITE 5900 WOBURN, MA 01801 PHONE: (781) 569-5877 CONSULTANTS: EBI CONSULTING	SITE OWNER/LANDLORD	114 HIGHLAND AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY	
CODES AND ODDINANCES	COORDINATES: LATITUDE: 42°23'12.999"N LONGITUDE: 71°6'1.000"W GROUND ELEVATION: 80'± A.M.S.L. (USGS GETELEVATION)	21 B STREET BURLINGTON, MA 01803 PHONE: 781-273-2500 FAX: 781-273-3311	CONSTRUCTION	TITLE SHEET	
		DIG SAFE SYSTEMS, INC. 1-888-DIG-SAFE (344-7233)	DO NOT SCALE DRAWINGS CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.	DRAWN BY: JC CHECKED BY: DD DATE: 9/27/11	







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PROJECT COORDINATION & MANAGEMENT:

Alcatel Lucent



WESTFORD, MA 01886 (978) 952-1600

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10/12/11	REVISED PER COMMENTS			
10/26/11	REVISED PER COMMENTS			

EBI JOB NO: 81110153

SITE INFO:

HIGHLAND GARDENS BS13XC672

114 HIGHLAND AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY

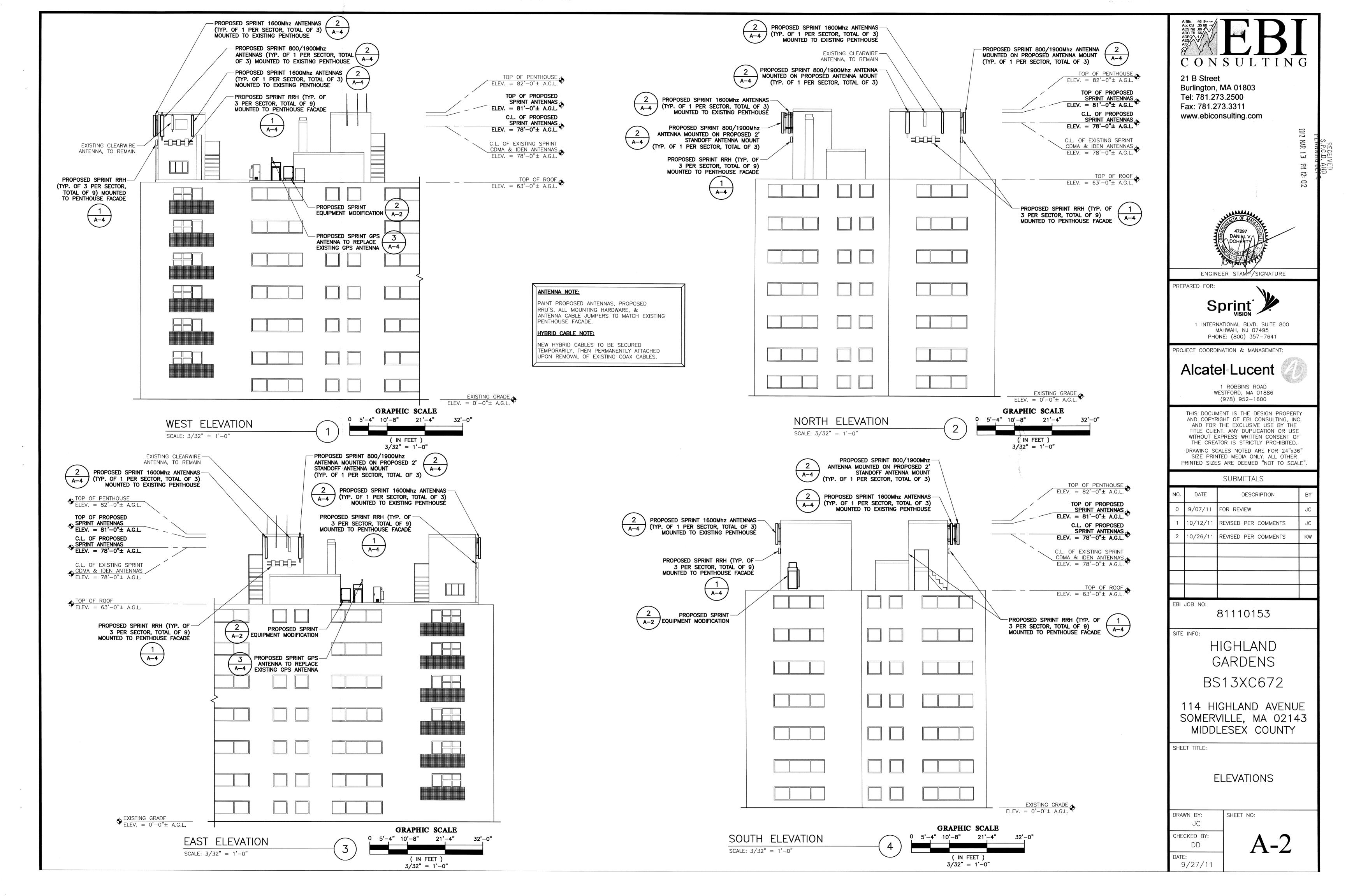
SHEET TITLE:

ROOFTOP PLAN & EQUIPMENT PLATFORM LAYOUT

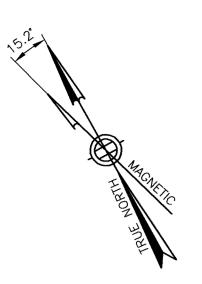
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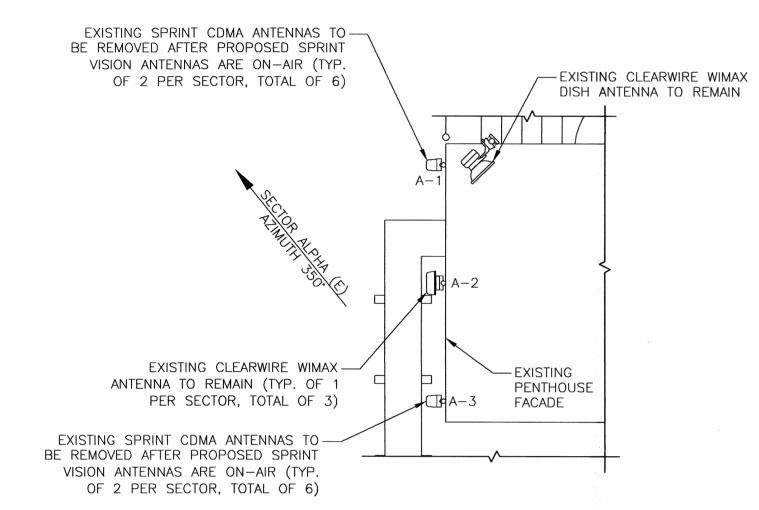
9/27/11

A-I



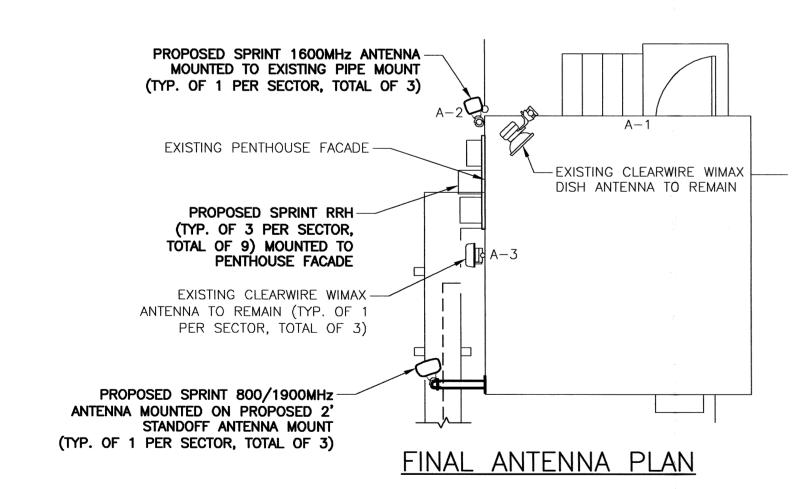
2012 MAR 13 PM 12: 02



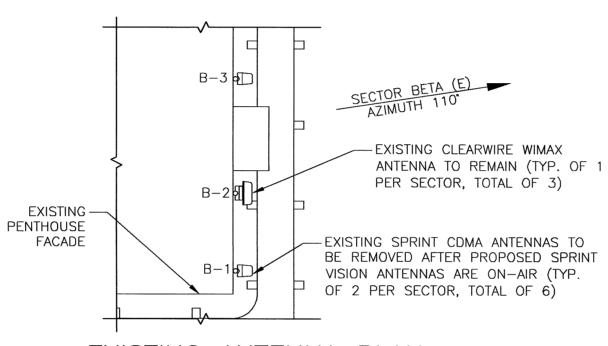


EXISTING ANTENNA PLAN

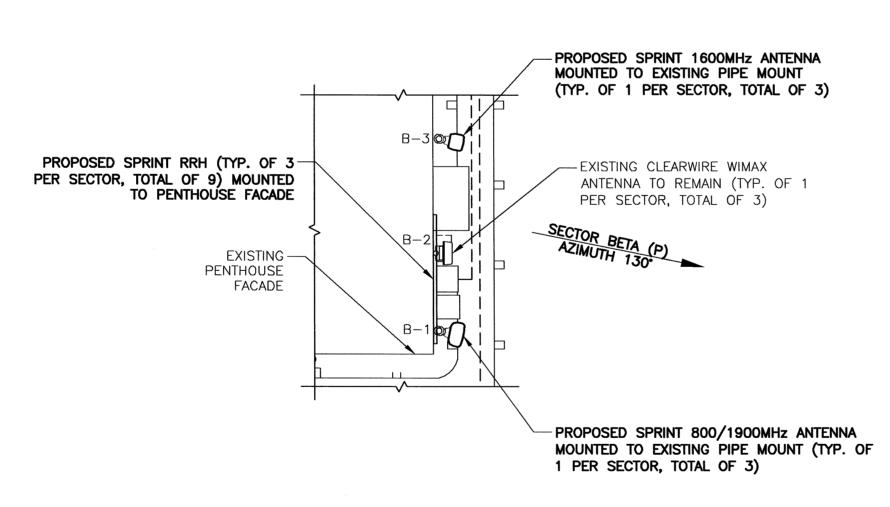




ALPHA SECTOR ANTENNA SCENARIO SCALE: N.T.S.

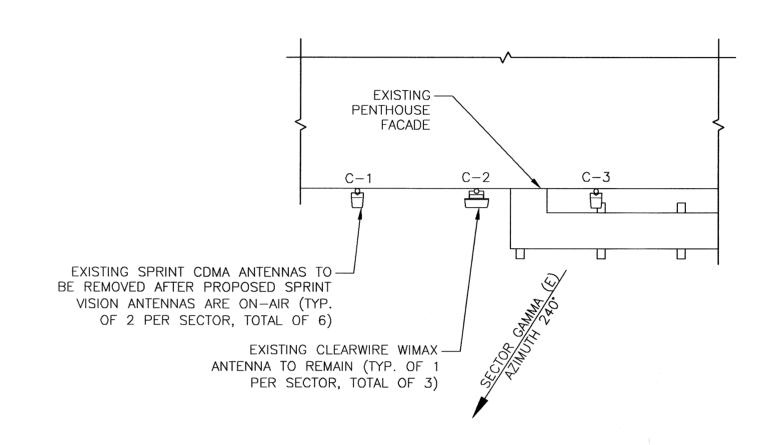


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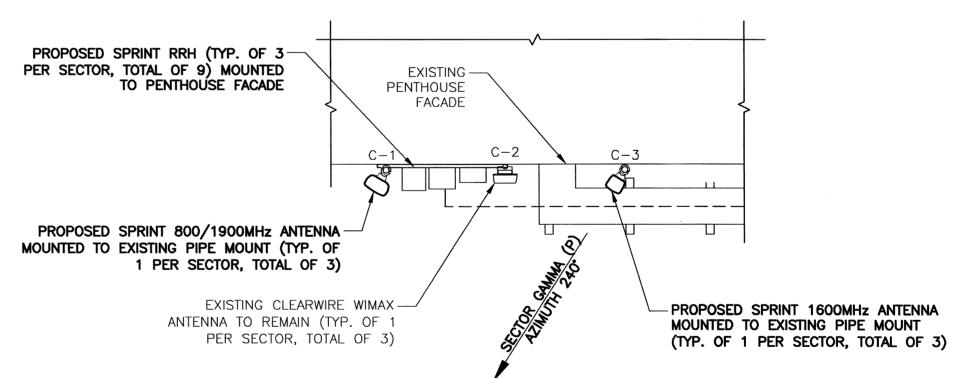


FINAL ANTENNA PLAN

BETA SECTOR ANTENNA SCENARIO SCALE: N.T.S.



EXISTING ANTENNA PLAN

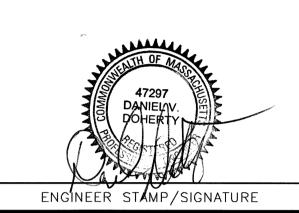


FINAL ANTENNA PLAN

GAMMA SECTOR ANTENNA SCENARIO SCALE: N.T.S.



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PROJECT COORDINATION & MANAGEMENT:

Alcatel Lucent

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0	9/07/11	FOR REVIEW	JC		
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EBI JOB NO: 81110153

SITE INFO:

HIGHLAND GARDENS

BS13XC672

114 HIGHLAND AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY

SHEET TITLE:

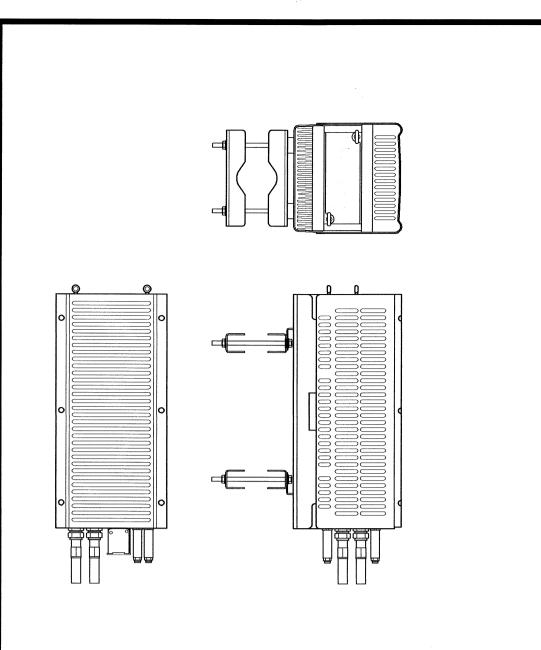
DATE:

ANTENNA SCENARIO

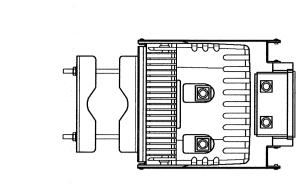
DRAWN BY: SHEET NO: CHECKED BY: DD

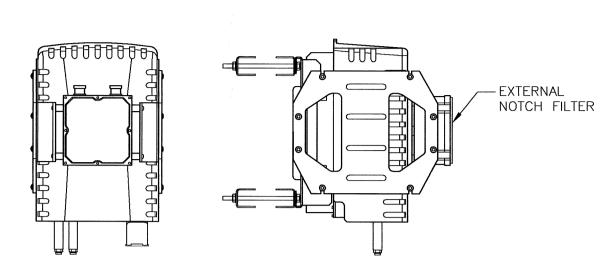
A-3

9/27/11



<u>1600 MHz RRH</u> 25.2"Hx11.8"Wx11.5"D

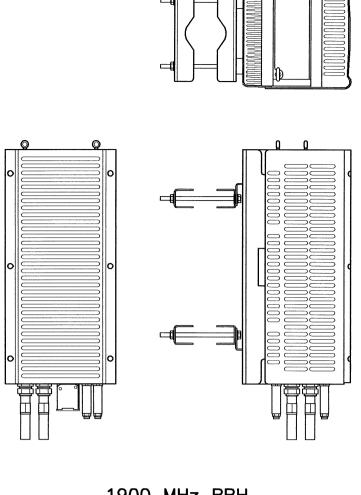




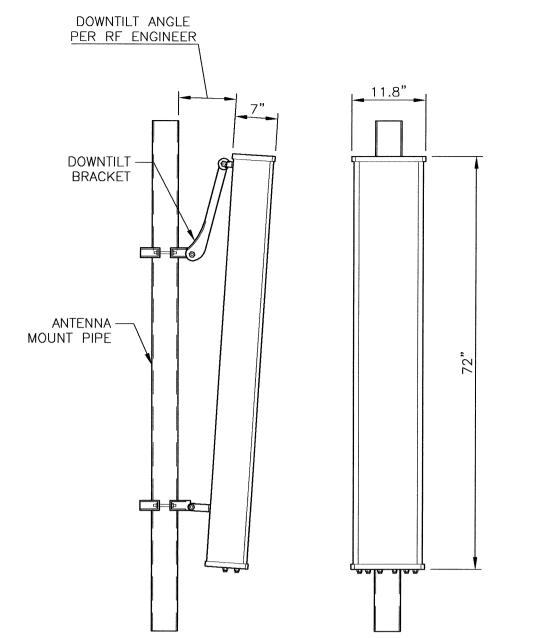
800 MHz RRH 19.4"Hx13"Wx10.7"D

REMOTE RADIO HEAD SPEC.

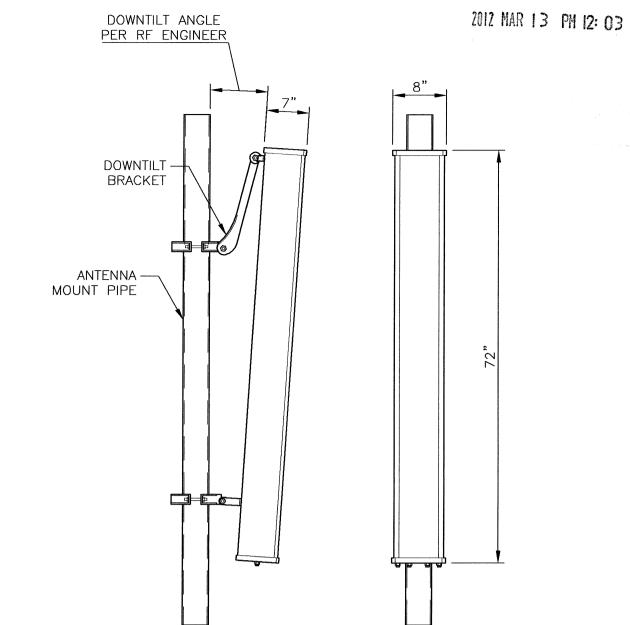
SCALE: N.T.S.



1900 MHz RRH 25.2"Hx11.8"Wx11.5"D

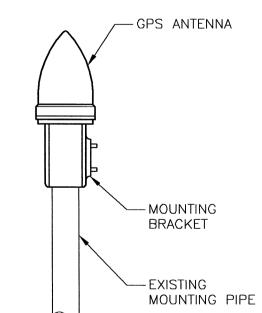


1900/800 MHz ANTENNA RFS – APXV9ERR18-C-A20



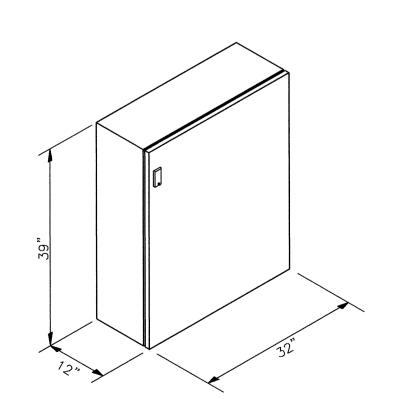
1600 MHz ANTENNA RFS – APXV9N18-C-A20

PANEL ANTENNA SPEC. SCALE: N.T.S.

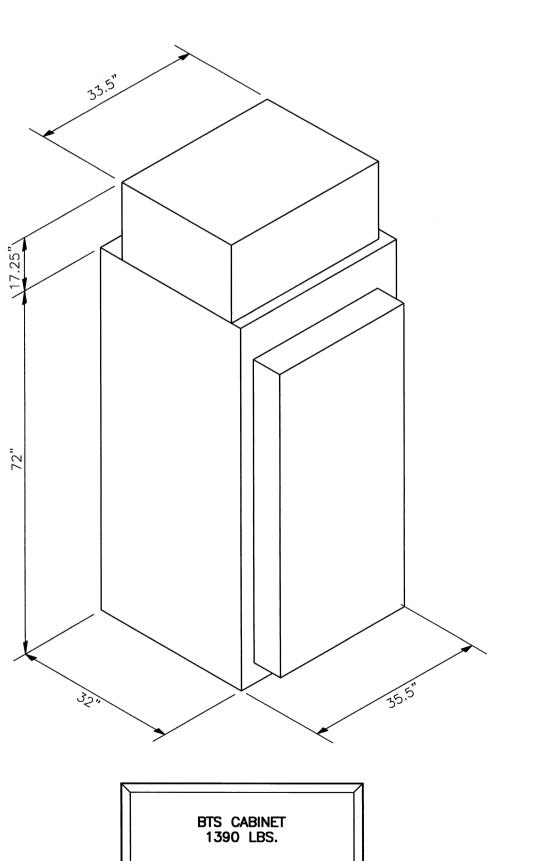


PC TEL GPS-TMG-26NCM GPS ANTENNA 5.0" H x 3.2" D ANTENNA DIMENSIONS 0.6 LBS. WEIGHT

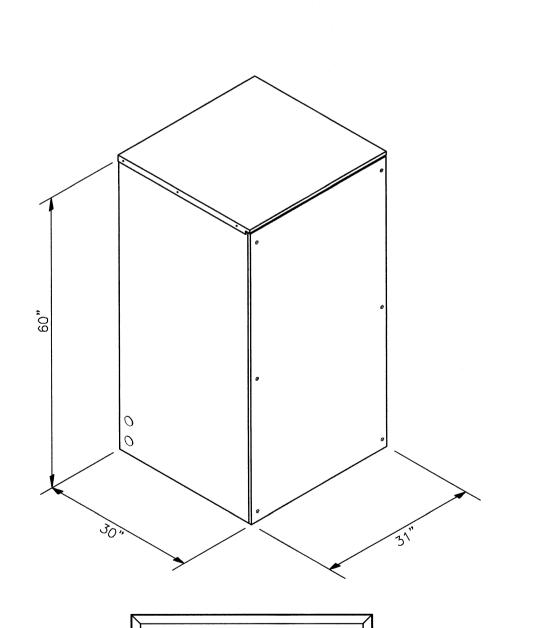
GPS ANTENNA SPEC. SCALE: N.T.S.



FIBER & POWER DISTRIBUTION BOX SPEC SCALE: N.T.S.



BTS CABINET SPEC. SCALE: N.T.S.



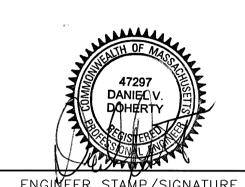
BATTERY BACKUP CABINET 1625 LBS.

BATTERY BACKUP CABINET SPEC. SCALE: N.T.S.



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RECEIVED S.P.C.D. AND PLANNING DEPT.



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PROJECT COORDINATION & MANAGEMENT:

1 ROBBINS ROAD WESTFORD, MA 01886 (978) 952—1600

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HIGHLAND GARDENS

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114 HIGHLAND AVENUE SOMERVILLE, MA 02143 MIDDLESEX COUNTY

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NO: DRAWN BY: CHECKED BY:

DD 9/27/11



RADOME COLOR WHITE