

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

## BUILDING PERMIT

This is to certify that ONE CITY CENTER ASSOCIATES

Located At 1 CITY CTR

Job ID: 2011-06-1576-ALTCOMM

CBL: 032 - - L - 002 - 001 - - - -

has permission to install antennas & cabinet on existing tower  
provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
PENALTY FOR REMOVING THIS CARD**

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: [buildinginspections@portlandmaine.gov](mailto:buildinginspections@portlandmaine.gov)

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**
  1. Final inspection upon completion of work.

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



# PORTLAND MAINE

*Strengthening a Remarkable City, Building a Community for Life • [www.portlandmaine.gov](http://www.portlandmaine.gov)*

Director of Planning and Urban Development  
Penny St. Louis

**Job ID: 2011-06-1576-  
ALTCOMM**

**Located At: 1 CITY CTR**

**CBL: 032 - - L - 002 - 001 - - -  
--**

**Conditions of Approval:**

**Building**

Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, heating appliances, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

A final inspection by the designing engineer shall be performed and a compliance statement submitted to this office upon completion of work.

# City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: <b>2011-06-1576-ALTCOMM</b>	Date Applied: <b>6/27/2011</b>	CBL: <b>032 - - L - 002 - 001 - - - -</b>	
Location of Construction: <b>1 CITY CTR</b>	Owner Name: <b>ONE CITY CENTER ASSOCIATES LLC</b>	Owner Address: <b>ONE CITY CENTER PORTLAND, ME 04101</b>	Phone:
Business Name:	Contractor Name: <b>PCS Construction/Pat Heelen</b>	Contractor Address: <b>128 Burnham Rd., Scarborough, ME 04074</b>	Phone: <b>207-839-2076</b>
Lessee/Buyer's Name: <b>US Cellular, c/o KJK Wireless, LLC</b>	Phone: <b>781-640-8006</b>	Permit Type: <b>BLDG - Building</b>	Zone: <b>B-3</b>
Past Use:  <b>Office Building – existing platform for antenna</b>	Proposed Use:  <b>Office Building – add three antennas &amp; cabinet to existing platform</b>	Cost of Work: <b>18000.00</b>	CEO District:
		Fire Dept:  <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A  Signature: <i>[Signature]</i>	Inspection: Use Group: <i>Towers</i> Type: <i>IBC 09</i>  Signature: <i>[Signature]</i>
Proposed Project Description: <b>Add 3 Antenna's &amp; cabinet on existing platform</b>		Pedestrian Activities District (P.A.D.)	
Permit Taken By:		<b>Zoning Approval</b>	

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building Permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input checked="" type="checkbox"/> Not in Dist or Landmark
<input type="checkbox"/> Wetlands	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does not Require Review
<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
<input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date: <i>OK 7/5/11 ABM</i>	Date:	Date: <i>ABM</i>

## CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
------------------------	---------	------	-------

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	PHON
---	------	------



B-3

2011 06 1576

6/30/11



# General Building Permit Application

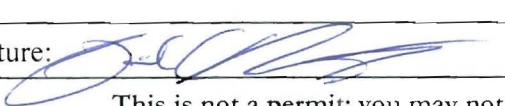
If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: One City Center Building		
Total Square Footage of Proposed Structure/Area	N/A	Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# Map <u>37</u> , Block L, Lot 2 <u>32</u>	Applicant * <u>must</u> be owner, Lessee or Buyer* Name U.S. Cellular, C/o: KJK Wireless, LLC Address 127 Ridge Rd City, State & Zip Nashua, NH 03062	Telephone: 781-640-8006
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name One City Center Associates, LLC Address 1 City Center City, State & Zip Portland, ME 04101	Cost Of Work: \$ <u>18,000</u> C of O Fee: \$ <u>0</u> Total Fee: \$ <u>200.00</u>
Current legal use (i.e. single family) <u>Telcom facility on roof of Office Building</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>telcom facility</u> Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>Add three (3) antenna's and a 52"x28"x58" Cabinet on existing platform ( See plans )</u>		
<div style="text-align: right; color: red; font-weight: bold;">RECEIVED</div> <div style="text-align: right; color: red; font-weight: bold;">JUN 27 2011</div> <div style="text-align: right; color: red; font-weight: bold;">Dept. of Building Inspections City of Portland Maine</div>		
Contractor's name: <u>PCS Construction / Pat Heelan</u>		
Address: <u>128 Burnham Rd</u>		
City, State & Zip: <u>Scarborough, ME 04074</u>		Telephone: <u>207-839-2076</u>
Who should we contact when the permit is ready: <u>Peter Marchant , KJK Wireless</u>		Telephone: <u>781-640-8006</u>
Mailing address: <u>127 Ridge Rd. , Nashua, NH 03062</u>		

**Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.**

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: Date: 6/22/11

**This is not a permit; you may not commence ANY work until the permit is issue**

# KJK WIRELESS

Site Acquisition, Leasing and Zoning

Phone: (781) 640-8006

[Peter@kjkwireless.com](mailto:Peter@kjkwireless.com)

127 Ridge Road  
Nashua, NH 03062

Fax: (603) 386-6106

June 22, 2011

City of Portland  
Lannie Dobson  
Planning & Urban Development Dept.  
389 Congress St  
Room 308  
Portland, ME 04101

**RE: US Cellular proposed Personal Wireless Services Facility at One City Center .  
Building Permit**

Dear Ms. Dobson:

Attached please find US Cellular's (the Applicant) Building Permit application for its proposed Personal Wireless Facility at One City Center Building. Please see enclosed two sets of 11 x 17 plans depicting the applicants proposed install.

The Applicant proposes to install 3 Panel antennas atop the Roof to work in unison with the existing antennas on site. The Applicant will locate its appurtenant communications equipment in a cabinet to be placed on existing Platform.

I am also enclosing a check in the amount of \$200.00 to cover the building permit fee.

Once reviewed / approved – could you please mail BP to:

**Peter Marchant  
KJK Wireless, llc  
127 Ridge Rd  
Nashua, NH 03062**

Thank you in advance, please feel free to call me with any questions (781-640-8006).

Sincerely,



Peter Marchant  
Agent for USCC



413.47.03

June 22, 2011

Kenneth Kozyra  
KJK Wireless, LLC  
127 Ridge Road  
Nashua, NH 03062

SUBJECT: US Cellular Portland Downtown (853417)  
Structural Report

Dear Ken:

On Wednesday June 15, 2011 AMEC Earth & Environmental (AMEC) conducted a site visit of a current cellular site #853417 on the roof of One City Center in Portland, Maine. It is our understanding that you intend to install the following new equipment at this location:

- (1) Ericsson RBS 6102 cabinet, weighing approximately 2,000 pounds
- (3) Ericsson RRUS-11 cabinets, weighing approximately 55 pounds each
- (1) Emerson CAC-A32214090 cabinet, weighing approximately 30 pounds
- (3) Powerwave P65-17-XL-R antennas

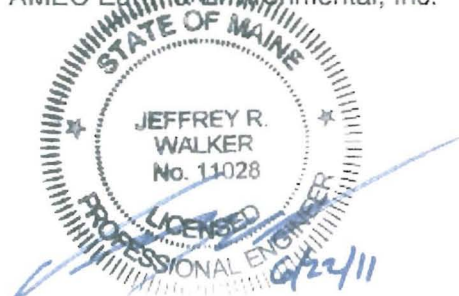
Our office was responsible for the original January 2006 design (as OEST Associates), and during the site visit it was determined that the platform was installed in accordance with the original design drawings, and is in excellent condition. After review of our original calculations, the platform and building structure are capable of supporting the additional loads from the new cabinet.

During the site visit it was discovered that the antenna mounts were not in accordance with the original design drawings, which detailed mounting the antennas to standard ballasted sled frames. Instead the antennas were mounted on standard single pipes attached to the inside face of the roof parapet. Subsequent analysis indicates that this installation is acceptable and will have no adverse impact to the building.

Provided the details given in the design drawings prepared by AMEC dated June 22, 2011 are followed, the proposed new equipment will not affect the structural integrity of the existing building, and are acceptable per the IBC 2006 building code. In addition, the antennas and their mounts are capable of resisting the wind loads per the IBC 2006 and TIA/EIA-222-G standards.

If you have an additional questions or comments, please don't hesitate to call us

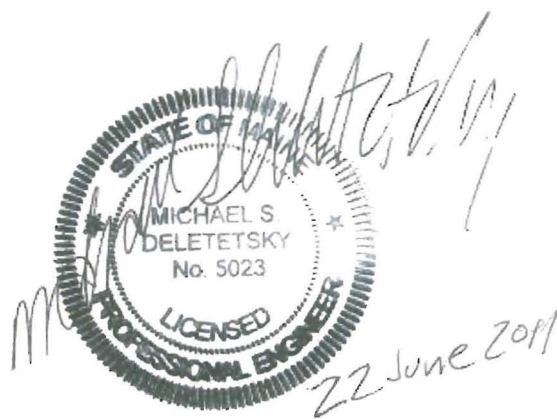
Sincerely,  
AMEC Earth & Environmental, Inc.



Jeffrey R. Walker, P.E.

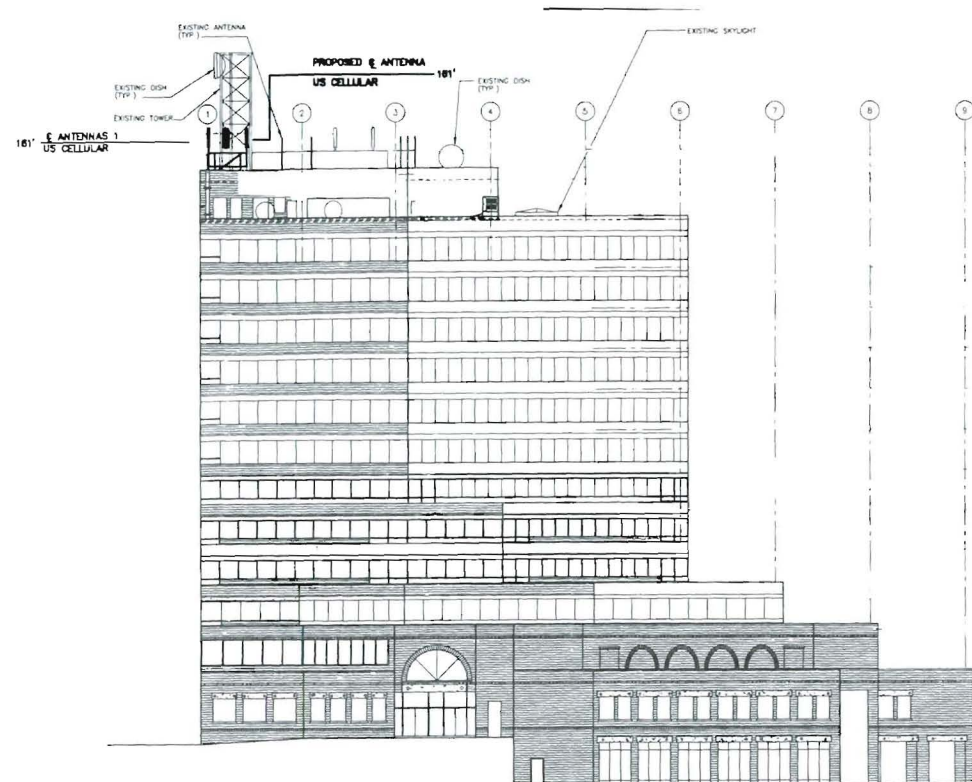
JRW:jrw

cc: Chris Mims – AMEC E&E



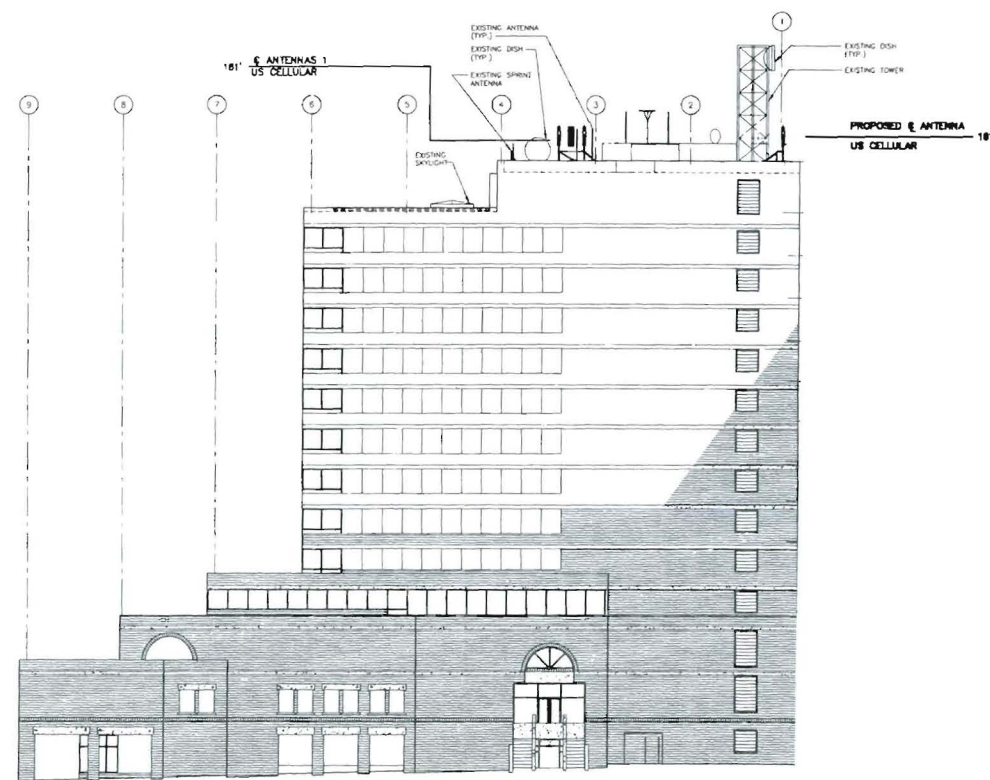
Michael S. Deletetsky, P.E.





MONUMENT SQUARE WEST ELEVATION

NOTE: CONTRACTOR PLEASE REFER TO STRUCTURAL ANALYSIS PERFORMED BY AMEC EARTH & ENVIRONMENTAL (AMEC), DATED 6-22-11 FOR DETAILS.



TEMPLE STREET EAST ELEVATION

**BUILDING ELEVATION**

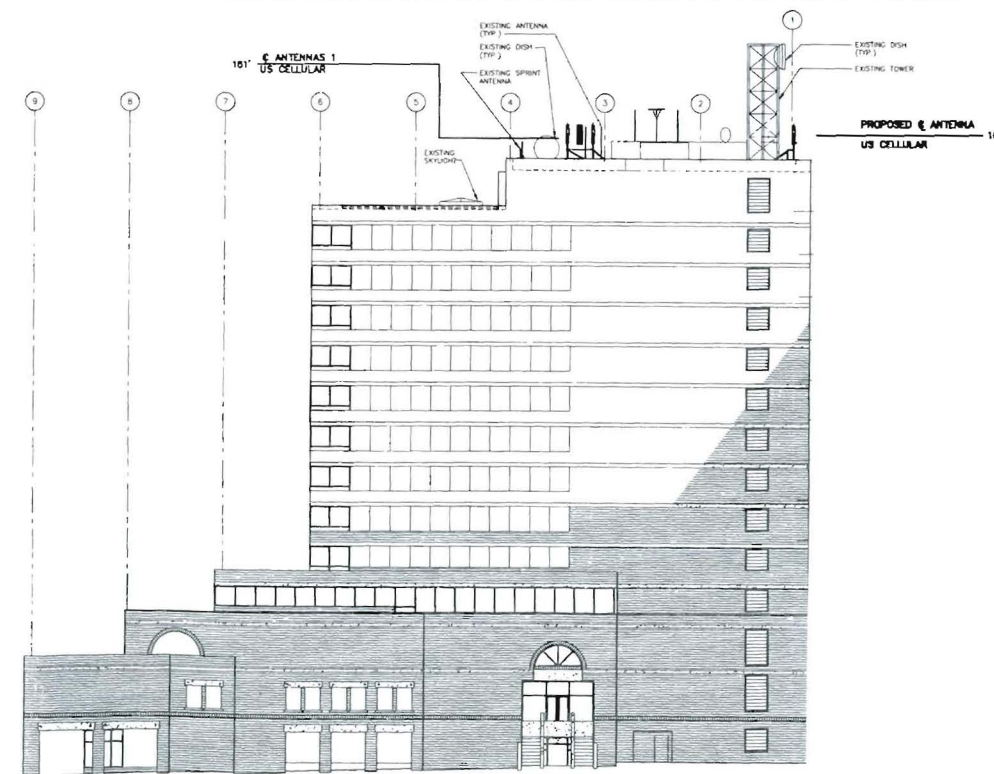
SCALE: 1" = 20'

SHEET NO.	DESCRIPTION	DATE	REV. NO.
C-1	BUILDING ELEVATION	6/22/11	0
C-2	ROOF PLAN	6/22/11	0
C-3	COAX CABLE TRAY AND ERICSSON RIU DETAIL	6/22/11	0
C-4	ANTENNA LAYOUT AND MOUNTING DETAILS	6/22/11	0
C-5	CABINET LAYOUT AND ELEVATIONS	6/22/11	0
E-1	ONE-LINE AND POWER PANEL SCHEDULE	6/22/11	0
E-2	ONE-LINE ELEVATION	6/22/11	0
E-3	GROUNDING DETAILS	6/22/11	0

## SHEET INDEX

ANTENNA	MODEL #	MOUNTING HEIGHT	COAX SIZE
1	(6) EMS FV65-17-04DP	161'±	1-5/8"

## EXISTING ANTENNA TABLE



FEDERAL STREET NORTH ELEVATION



ORIGINAL SIZE IN INCHES

PLANS PREPARED FOR:

**U S Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

PLANS PREPARED BY:

**amec**  
343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974

SEALED  
STATE OF MAINE  
MICHAEL S. DELETETSKY  
No. 5023  
LICENSED PROFESSIONAL ENGINEER  
22 JUL 2011

REV	DATE	ISSUED FOR
0	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

DRAWN BY: CBM

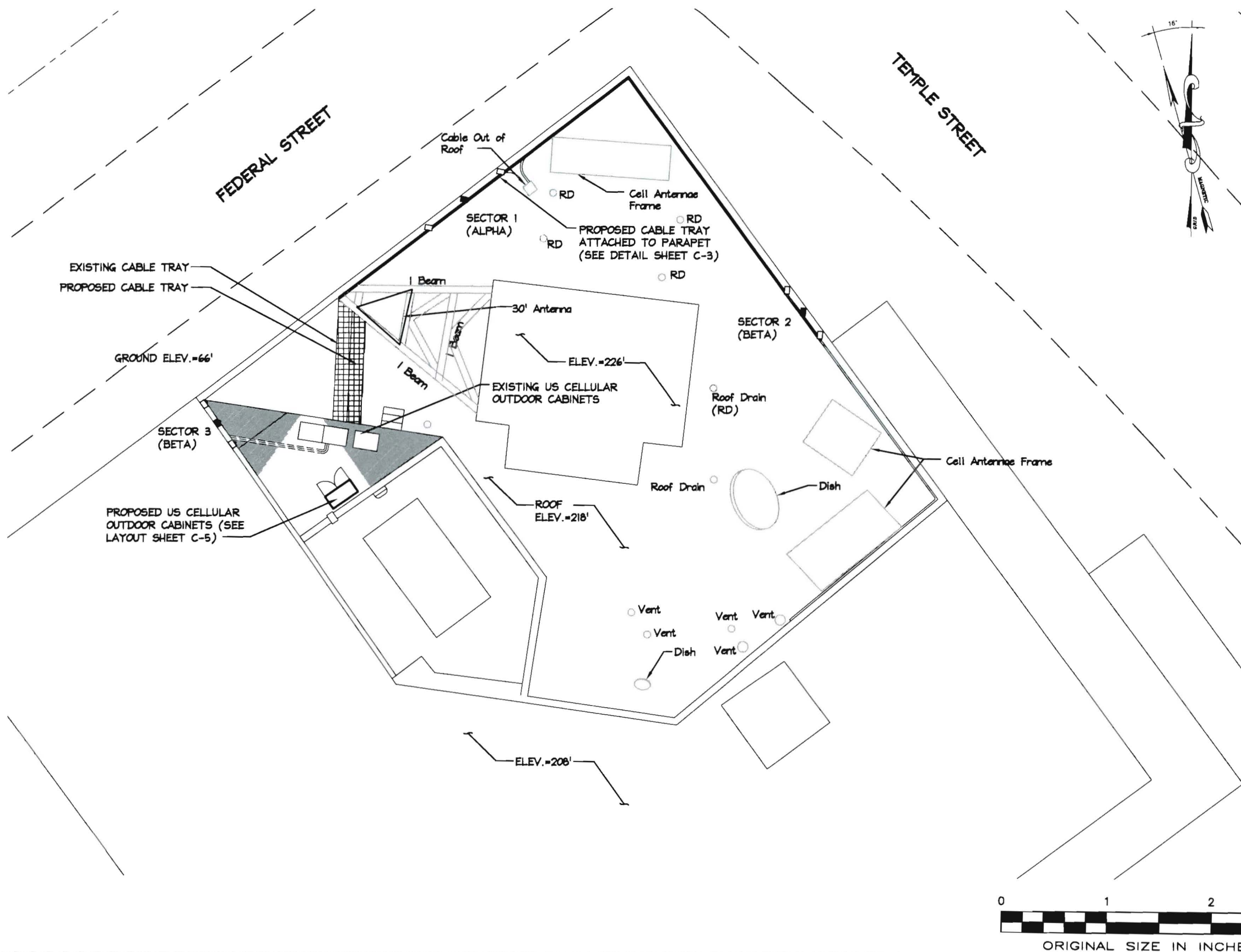
RELEASED BY: MSD

SHEET TITLE

**BUILDING ELEVATION**

SHEET NUMBER	REVISION:
<b>C-1</b>	<b>0</b>





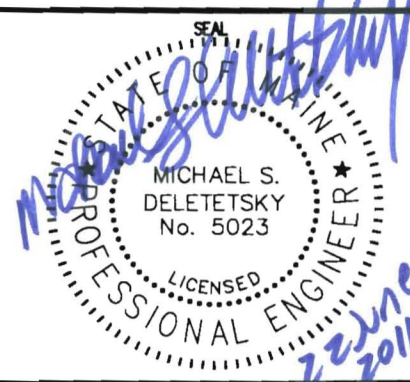
**ROOF PLAN**  
SCALE: 1" = 18'

PLANS PREPARED FOR:  
**US Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION  
**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

PLANS PREPARED BY:  
**amec**  
343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:  
**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

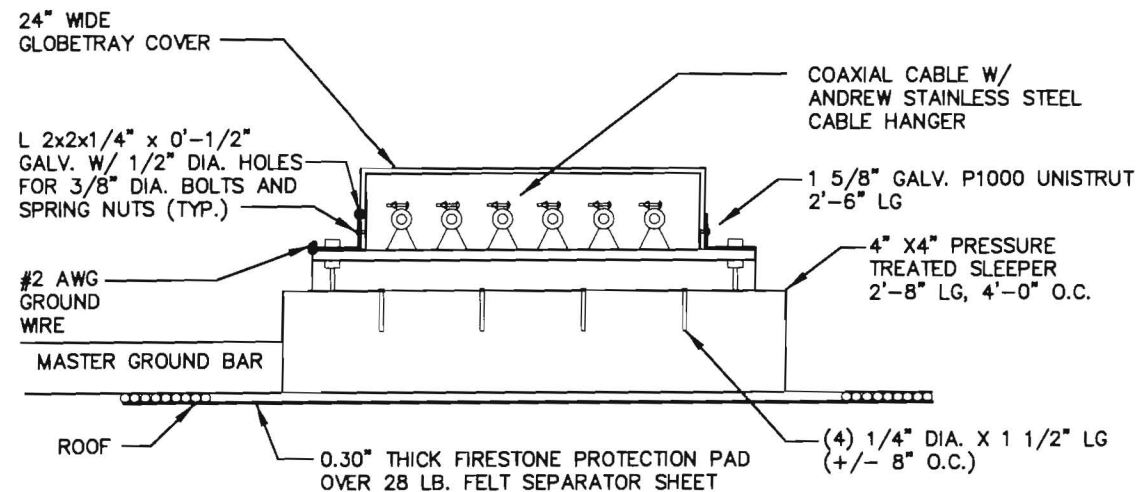
DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE  
**COMPOUND  
DETAIL**

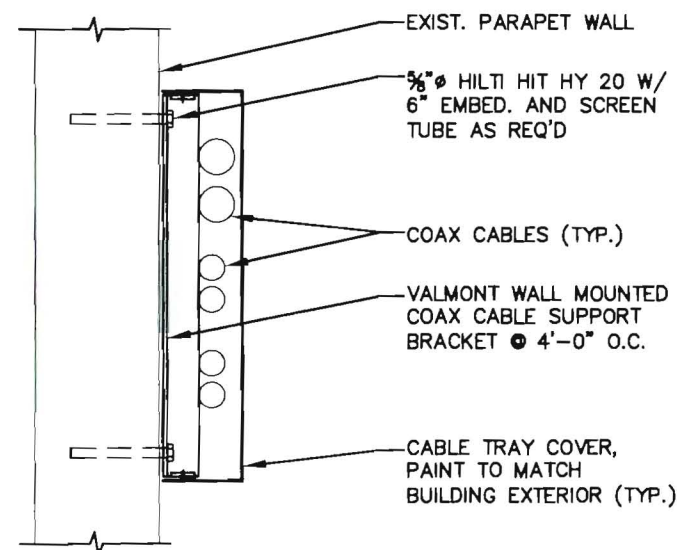
SHEET NUMBER  
**C-2**

REVISION:  
**0**



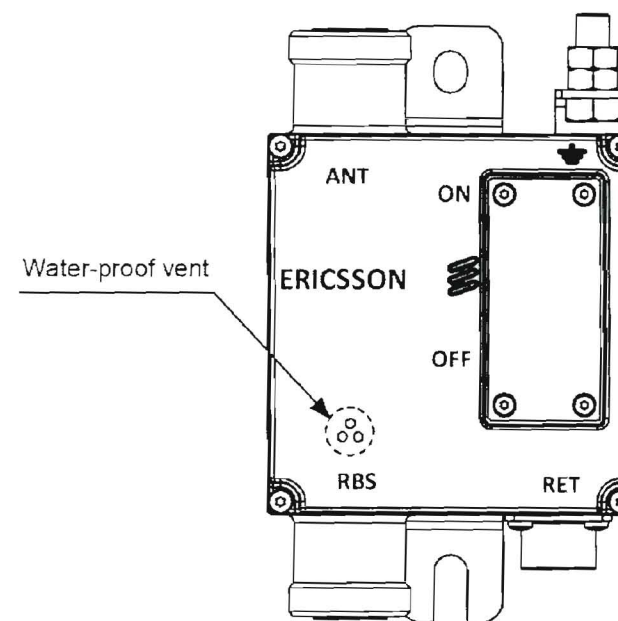
**COAX CABLE TRAY ROOFTOP SLEEPER**

SCALE: N.T.S.



**CABLE TRAY DETAIL • PARAPET WALL**

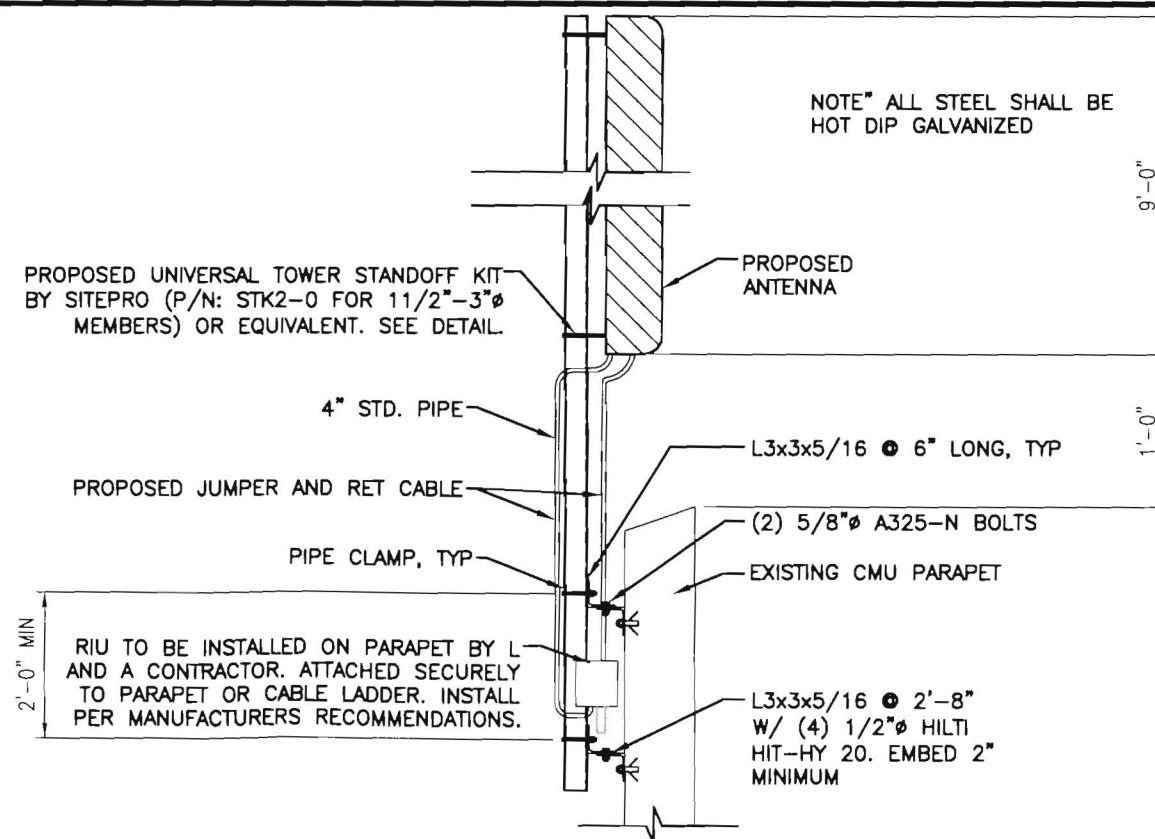
SCALE: N.T.S.



NOTE:  
RIU TO BE INSTALLED ON PARAPET BY L AND A CONTRACTOR. ATTACHED SECURELY TO PARAPET OR CABLE LADDER. INSTALL PER MANUFACTURERS RECOMMENDATIONS.

**PROPOSED ERICSSON RIU**

SCALE: N.T.S.



**ANTENNA MOUNT PROFILE**

SCALE: N.T.S.

PLANS PREPARED FOR:

**U S Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

PLANS PREPARED BY:

**amec**  
343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974

STATE OF MAINE  
MICHAEL S. DELETETSKY  
No. 5023  
PROFESSIONAL ENGINEER  
LICENSED  
2/2/2011

REV	DATE	ISSUED FOR
0	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

DRAWN BY: CBM

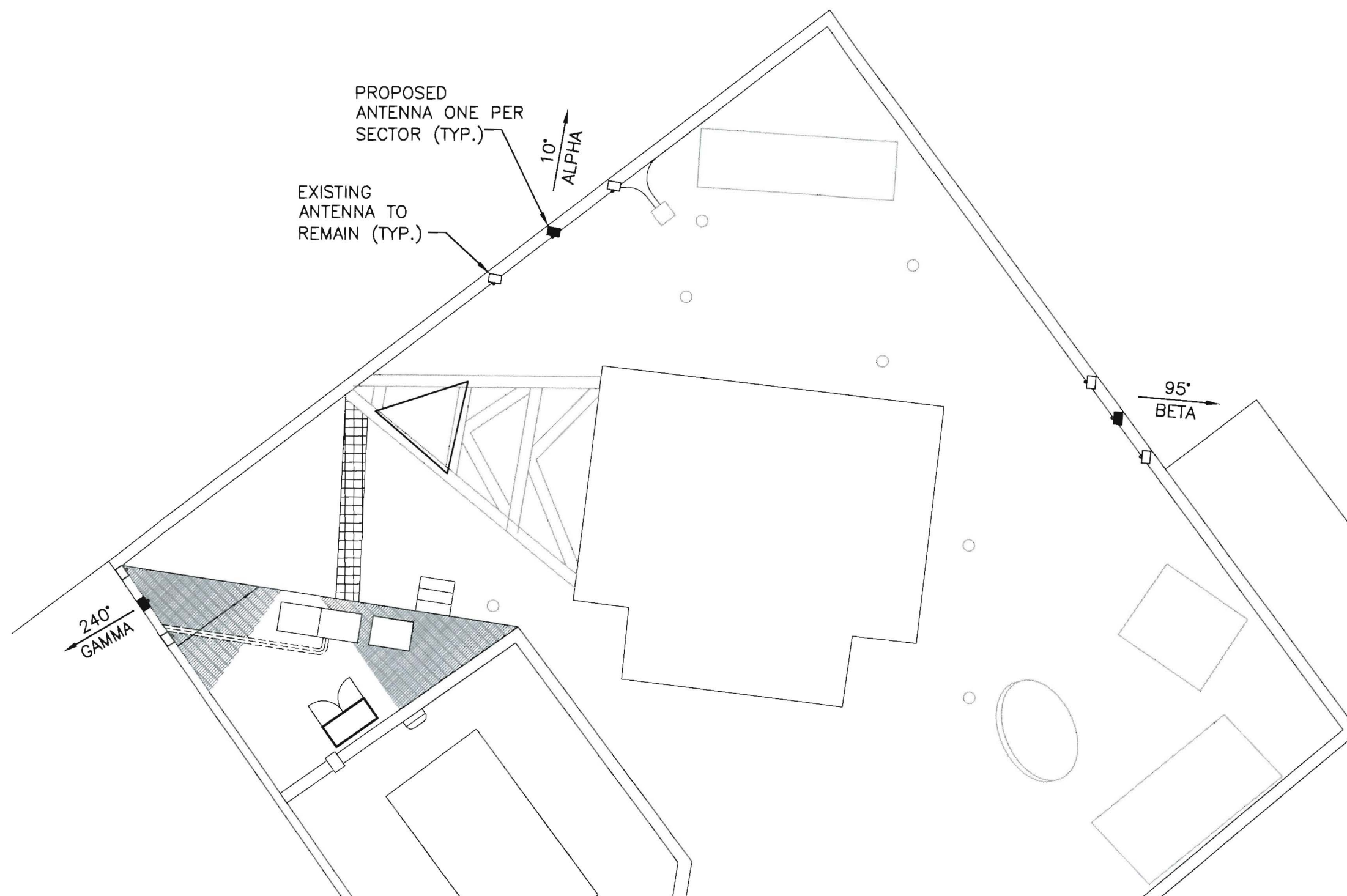
RELEASED BY: MSD

SHEET TITLE

**COAX CABLE TRAY  
AND ERICSSON RIU  
DETAIL**

SHEET NUMBER	REVISION:
<b>C-3</b>	<b>0</b>





PROPOSED ANTENNA/COAX SCHEDULE								
SECTOR	TECHNOLOGY	MANUFACTURER (MODEL #)	MOUNTING HEIGHT	AZIMUTH	COAX SIZE	RIU	COAX LENGTH	MECH. D-TILT
ALPHA	700 MHZ	POWERWAVE P65-17-XL-R	161'-0"	10°	(2) 1 5/8"	1	75'±	TBD
BETA	700 MHZ	POWERWAVE P65-17-XL-R	161'-0"	95°	(2) 1 5/8"	1	140'±	TBD
GAMMA	700 MHZ	POWERWAVE P65-17-XL-R	161'-0"	240°	(2) 1 5/8"	1	40'±	TBD

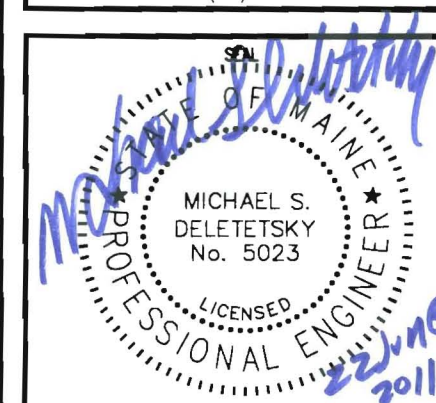
**PROPOSED CONFIGURATION • 161 FT**  
SCALE: N.T.S.

PLANS PREPARED FOR:  
**U S Cellular**  
*We connect with you*  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION  
**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

PLANS PREPARED BY:  
**amec**  
343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:  
**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

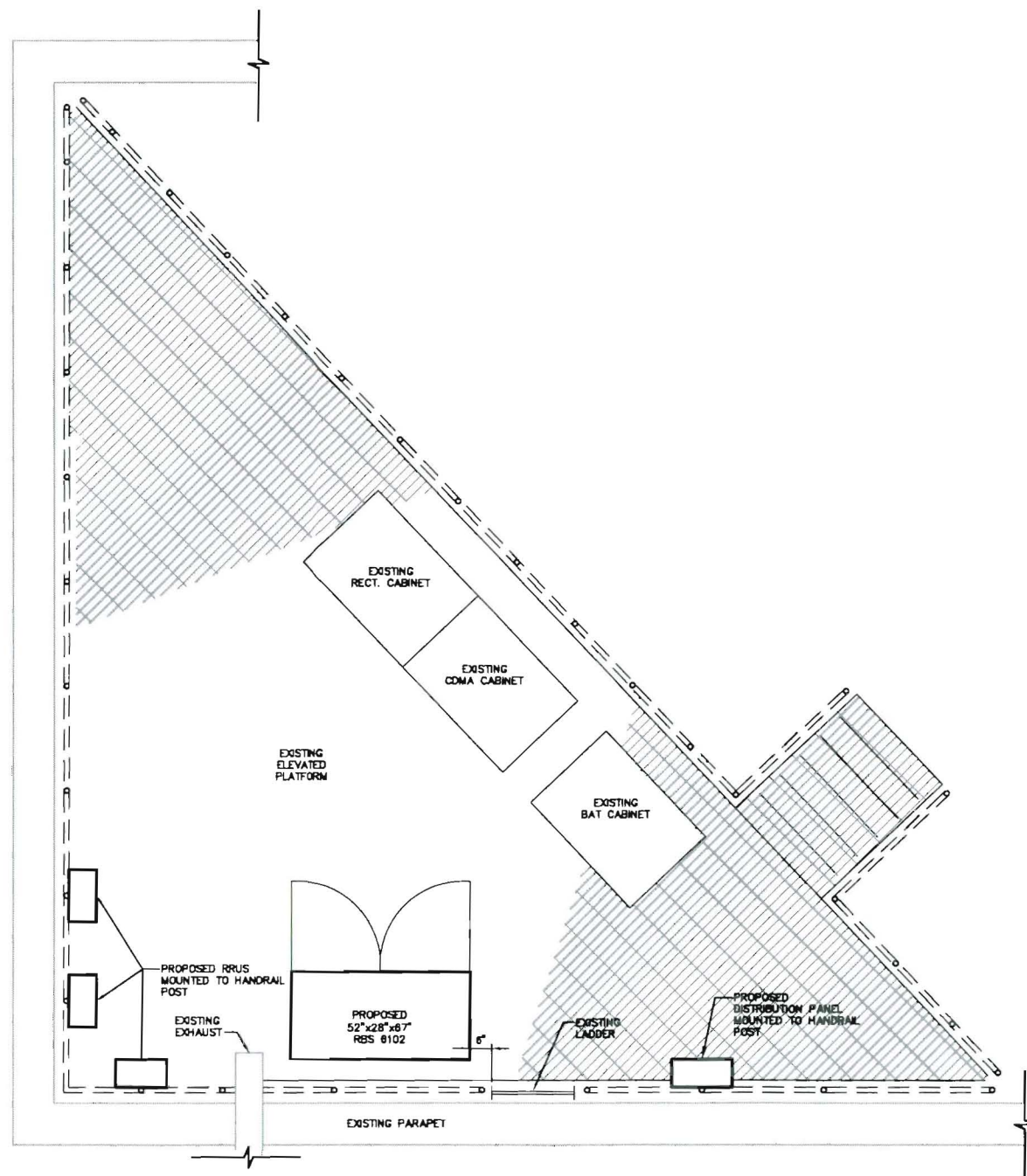
DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE  
**ANTENNA LAYOUT AND MOUNTING DETAILS**

SHEET NUMBER <b>C-4</b>	REVISION: <b>0</b>
----------------------------	-----------------------

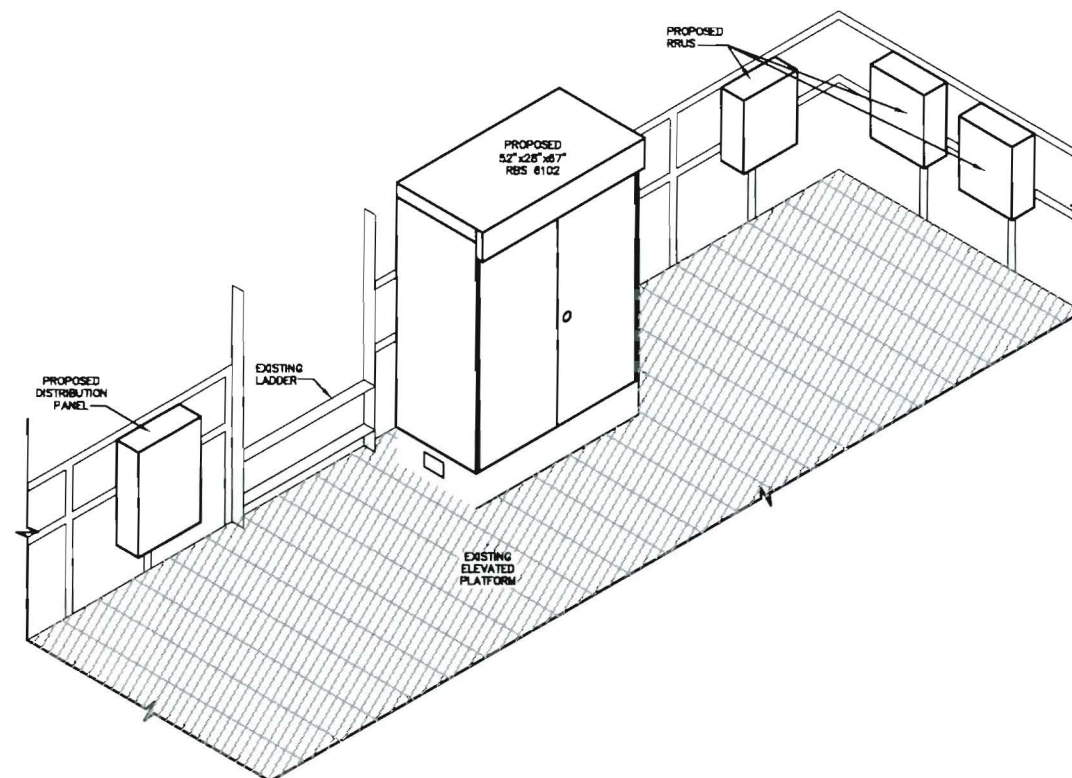




NOTE: POWER TO COME FROM CDMA EQUIPMENT OVER TO THE DISTRIBUTION PANEL (2" CONDUIT) AND THEN TO PROPOSED RBS EQUIPMENT (2" CONDUIT)

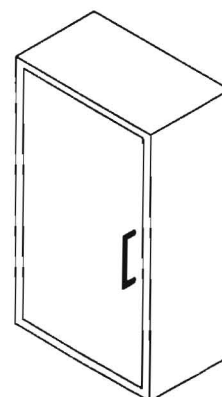
## ELEVATED PLATFORM LAYOUT

SCALE: N.T.S.



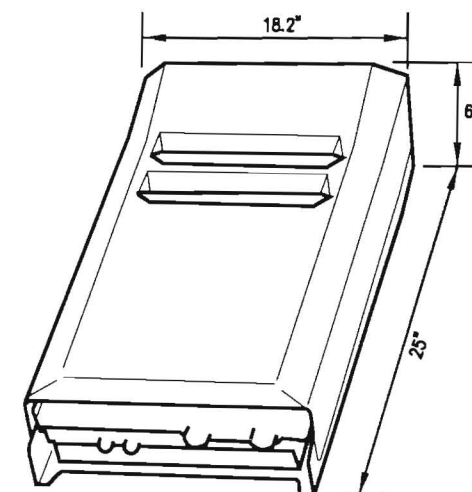
## CABINET ELEVATION

SCALE: N.T.S.



## DISTRIBUTION PANEL DETAIL

SCALE: N.T.S.



## TYPICAL RRUS DETAIL

SCALE: N.T.S.

PLANS PREPARED FOR:

**U S Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853436 - MAINE MALL**  
303 SABLE OAKS DRIVE  
SOUTH PORTLAND, ME 04106  
(CUMBERLAND COUNTY)

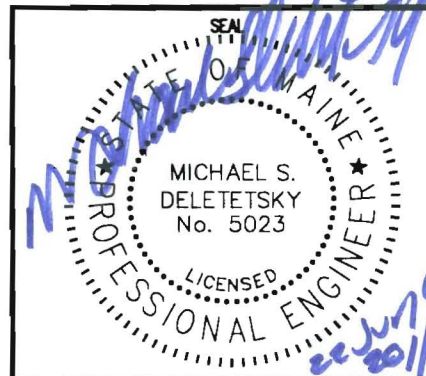
PLANS PREPARED BY:

**amec**

343 Gorham Road, South Portland, ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	8/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.78.02

DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE

**CABINET LAYOUT  
AND ELEVATIONS**

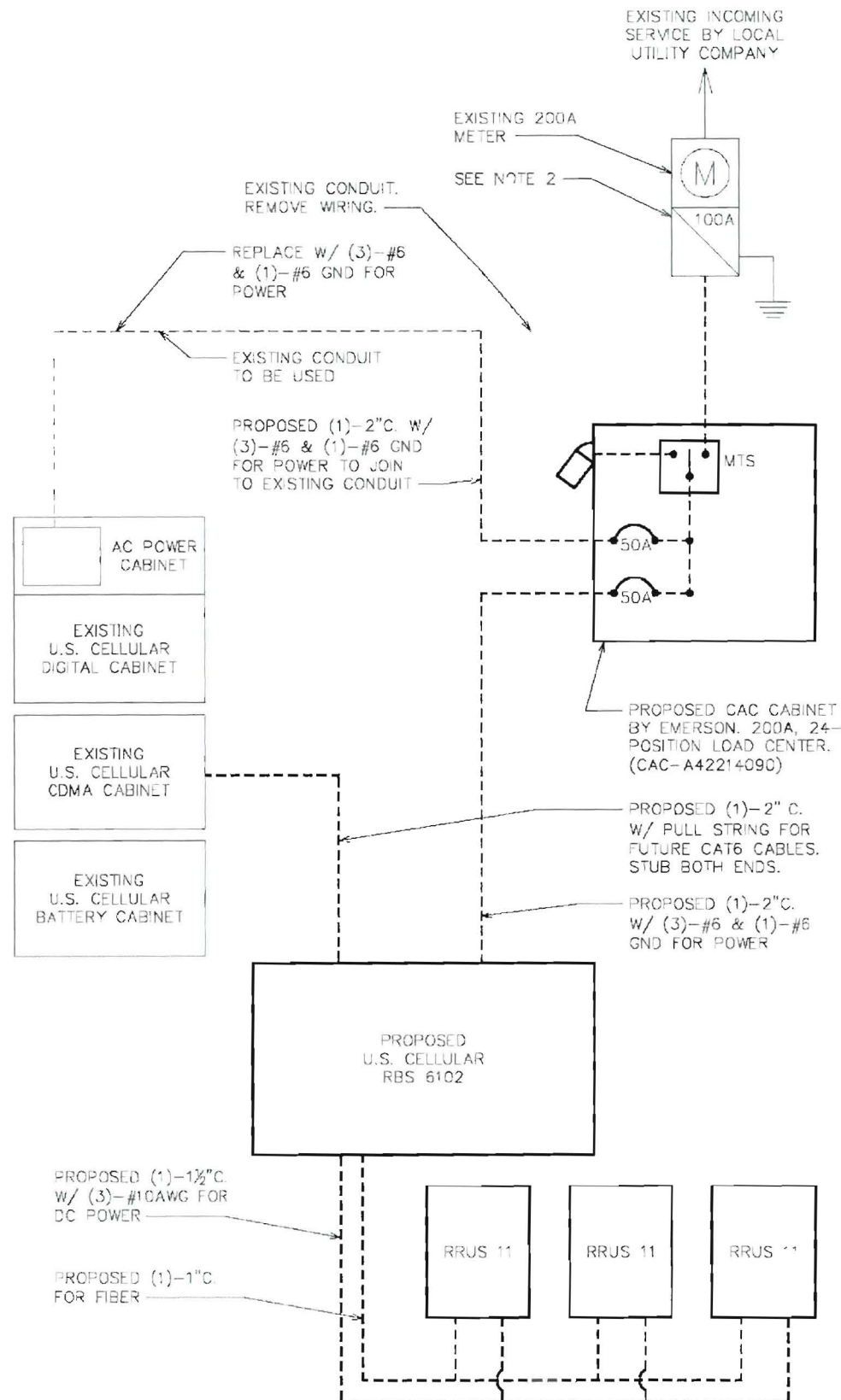
SHEET NUMBER

**C-5**

REVISION:

**0**





## ONE LINE DIAGRAM

SCALE: N.T.S.

## LOADCENTER: 200A, 120 / 240VAC, 1PH, 3W, MANUAL TRANSFER

VA	LOAD SERVED	BREAKER				BREAKER		LOAD SERVED	VA
		POLE	TRIP			TRIP	POLE		
2145	LTE CABINET	2	50A	1	2	2	50A	CDMA CABINET	8400
-	SPARE	-	-	3	4	-	-	SPARE	-
-	SPARE	-	-	5	6	-	-	SPARE	-
-	SPARE	-	-	7	8	-	-	SPARE	-
-	SPARE	-	-	9	10	-	-	SPARE	-
-	SPARE	-	-	11	12	-	-	SPARE	-
-	SPARE	-	-	13	14	-	-	SPARE	-
-	SPARE	-	-	15	16	-	-	SPARE	-
-	SPARE	-	-	17	18	-	-	SPARE	-
-	SPARE	-	-	19	20	-	-	SPARE	-
-	SPARE	-	-	21	22	-	-	SPARE	-
-	SPARE	-	-	23	24	-	-	SPARE	-
2145	SUB TOTAL							SUB TOTAL	8400
TOTAL VA = 10,545 TOTAL AMP = 44 x 1.1 x 1.25 = 60A									

BREAKERS:

50 AMP	P/N 0501067	SAP74820
80 AMP	P/N 0501069	SAP67461
100 AMP	P/N 0501070	SAP67462

## POWER PANEL SCHEDULE

SCALE: N.T.S.

## NOTES:

- FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER TO VENDOR PRINTS PROVIDED BY EQUIPMENT MANUFACTURER
- PROVIDE 100A SERVICE ENTRANCE RATED DISCONNECT IF NOT ALREADY EXISTING. REPLACE EXISTING 200A DISCONNECT WITH 100A SERVICE ENTRANCE RATED DISCONNECT IF APPLICABLE.

PLANS PREPARED FOR:

**U S Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

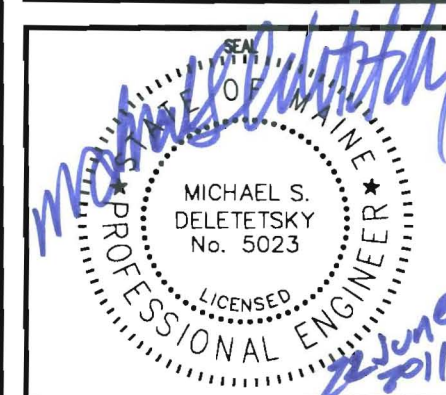
PLANS PREPARED BY:

**amec**

343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE

**ONE-LINE AND  
POWER PANEL  
SCHEDULE**

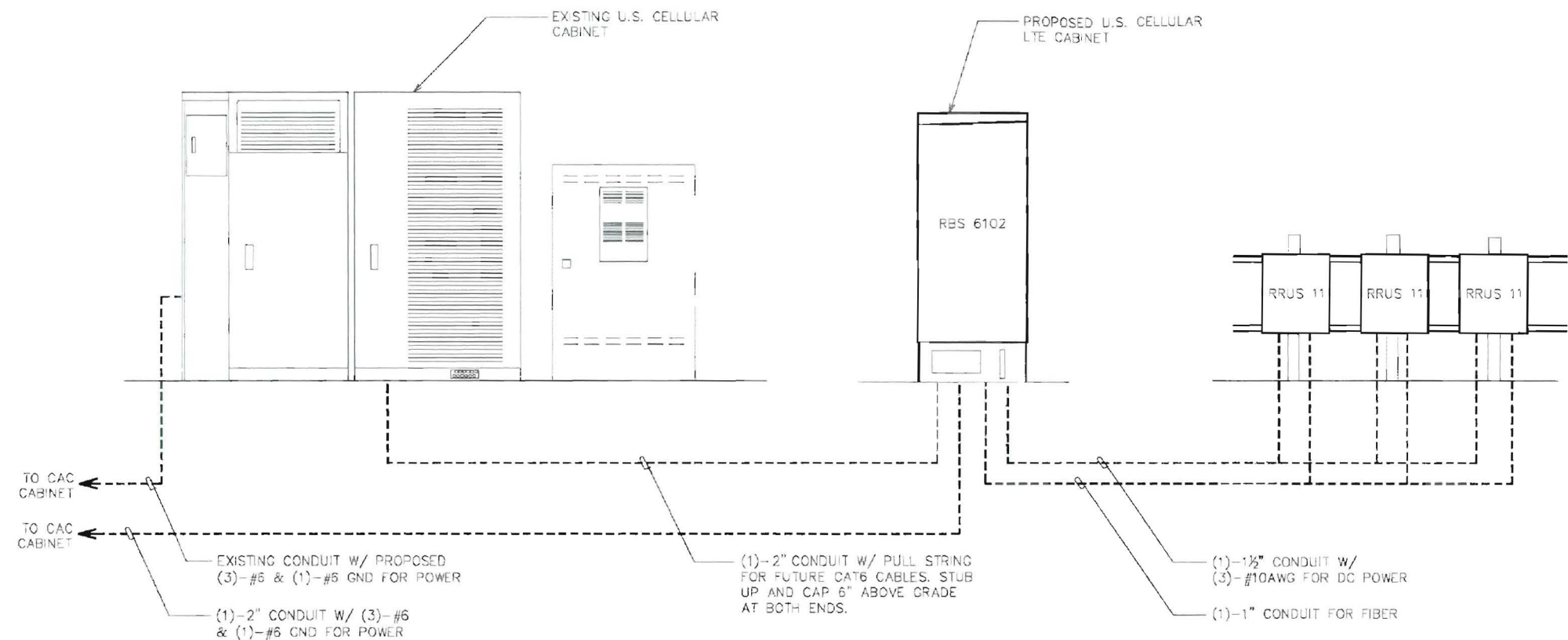
SHEET NUMBER

**E-1**

REVISION:

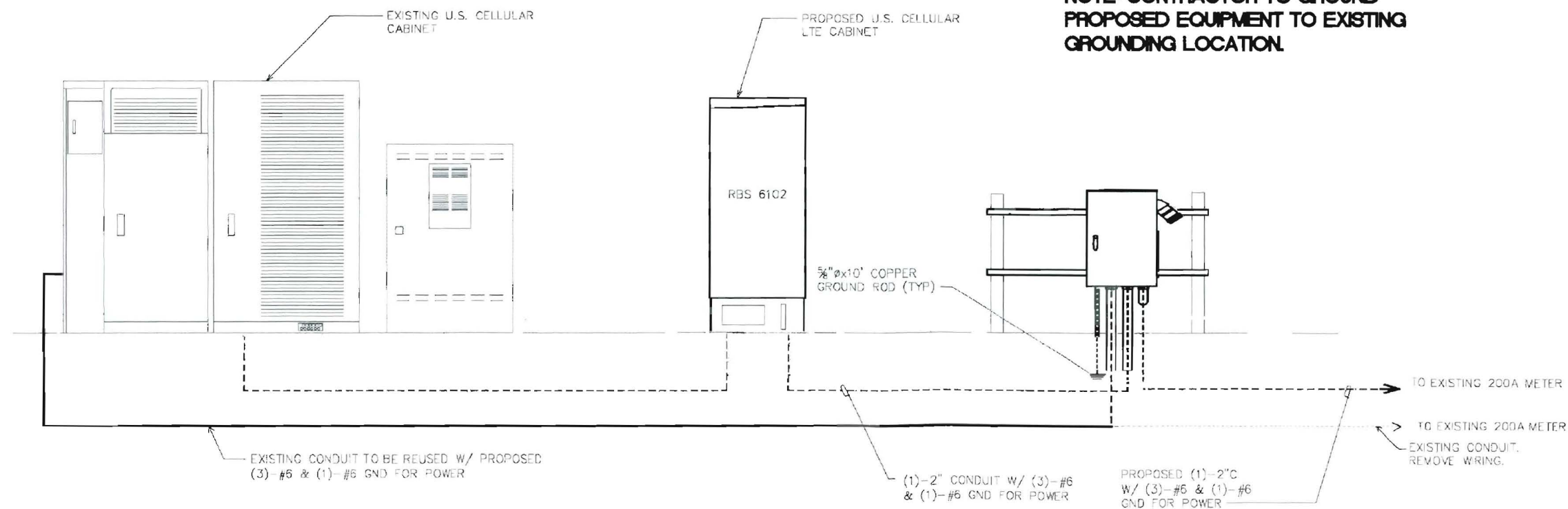
**0**





## ONE-LINE RRUS ELEVATION

SCALE: N.T.S.



## ONE-LINE CAC ELEVATION

SCALE: N.T.S.

PLANS PREPARED FOR:

**U S Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

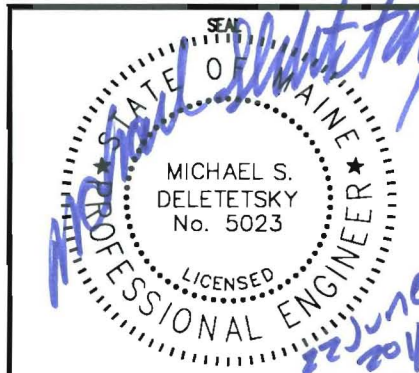
PLANS PREPARED BY:

**amec**

343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE

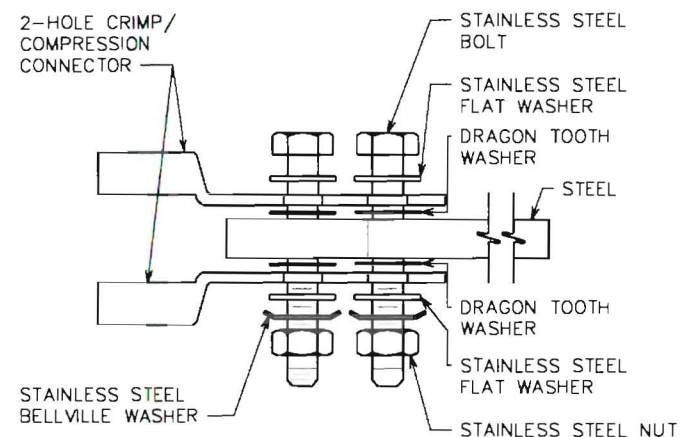
**ONE-LINE  
ELEVATION**

SHEET NUMBER

**E-2**

REVISION:

**0**

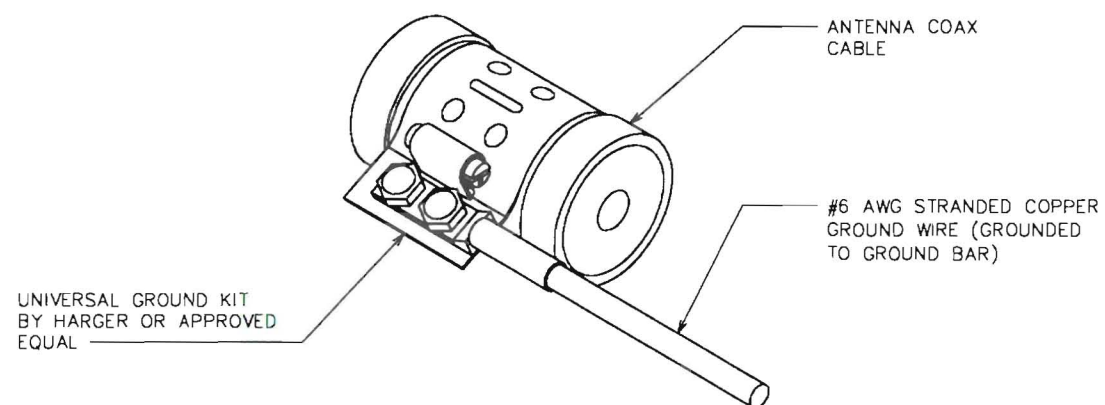


### NOTES:

1. MINIMUM BEND RADIUS OF #2 SOLID CONDUCTOR IS 12"
2. ALL GROUND BARS SHALL BE INSTALLED WITH TAMPER RESISTANT MOUNTING HARDWARE

### NOTES:

1. DO NOT INSTALL COAX GROUND KIT AT A BEND.
2. CONTRACTOR TO WEATHERPROOF COAX GROUND.

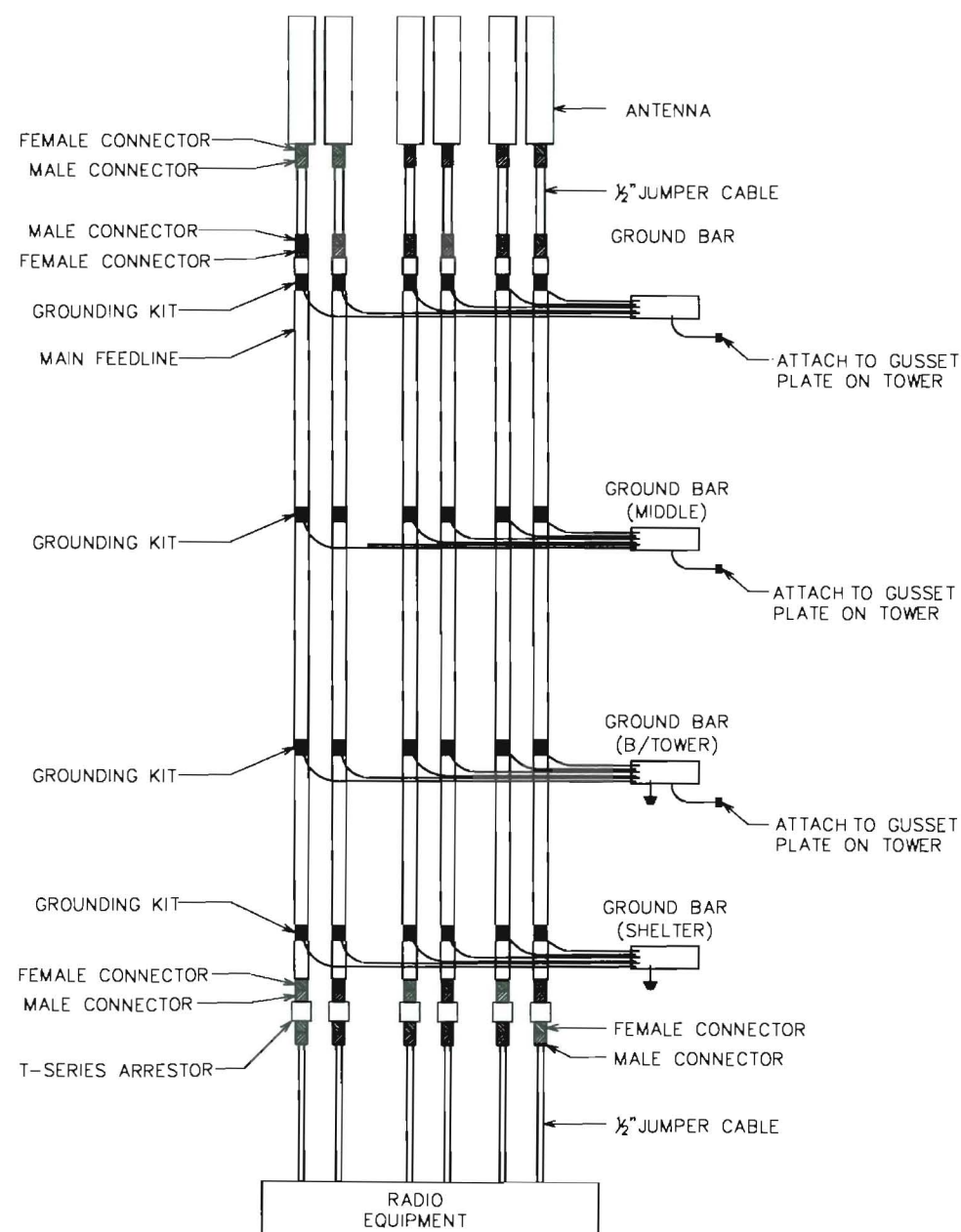


### GROUNDING DETAILS

SCALE: N.T.S.

### NOTE:

CONTRACTOR SHALL USE THE EXISTING GROUND BARS ALREADY INSTALLED ON TOWER AND SHELTER UNLESS OTHERWISE NOTED.



### COAX ROUTING DETAIL

SCALE: N.T.S.

PLANS PREPARED FOR:

**US Cellular**  
We connect with you  
10 Corporate Drive, Suite 210, Bedford, NH 03110

PROJECT INFORMATION

**853417 - PORTLAND DT**  
ONE CITY CENTER  
PORTLAND, ME 04101  
(CUMBERLAND COUNTY)

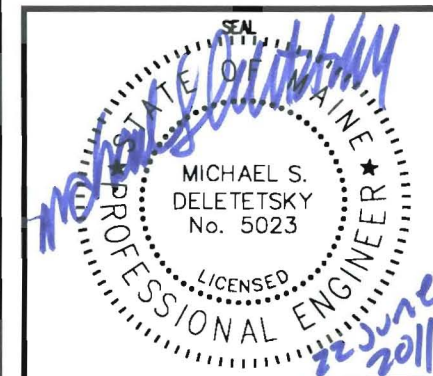
PLANS PREPARED BY:

**amec**

343 Gorham Road, South Portland ME 04106  
P: (207) 761-1770 F: (207) 774-1246 www.amec.com

PROJECT COORDINATION & MANAGEMENT:

**KJK Wireless, LLC**  
127 Ridge Road, Nashua, NH 03062  
Phone: (603) 888-8974



REV	DATE	ISSUED FOR
1	6/22/11	ISSUED FOR CONSTRUCTION

PROJECT NO: 413.47.02

DRAWN BY: CBM

RELEASED BY: MSD

SHEET TITLE  
**GROUNDING  
DETAILS**

SHEET NUMBER

**E-3**

REVISION:

**0**