

RESOLUTION NO. 2013- 91

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE AMENDMENT NO. 5 TO TOWER ATTACHMENT COMMUNICATIONS SITE AGREEMENT FROM NEXTEL SOUTH CORP. FOR MODIFICATIONS TO THEIR EQUIPMENT ON THE PONTE VEDRA ANNEX TOWER.

RECITALS

WHEREAS, St. Johns County and Nextel South Corp. entered into a Lease Agreement dated October 21, 1998 and approved in Resolution 98-159 on the Ponte Vedra Annex site on Palm Valley Road; and

WHEREAS, Nextel South Corp. will be modifying their equipment on the tower to enhance their service in this area and will execute Amendment No. 5 Tower Attachment Communications Site Agreement, attached hereto as Exhibit "A," incorporated by reference and made a part hereof; and

WHEREAS, this will consist of adding or swapping out antennas and any other equipment required.

NOW THEREFORE, BE IT RESOLVED by the Board of County Commissioners of St. Johns County, Florida, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as findings of fact.

Section 2. The Board of County Commissioners hereby approves the terms and authorizes the County Administrator, or designee, to execute two originals of the Amendment No. 5 Tower Agreement. All of terms of the Lease Agreement shall remain in full force.

Section 3. To the extent that there are typographical errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

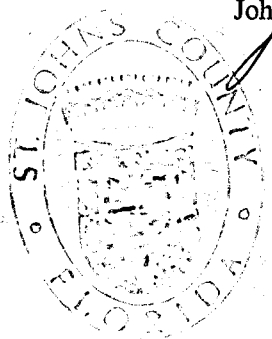
Section 4. The Clerk is instructed to record the Amendment No. 5 to Tower Attachment Communications Site Agreement in the Public Records, St. Johns County Florida.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 7 day of May, 2013.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

By: *John H. Morris*
John H. Morris, Chair

ATTEST Cheryl Strickland, Clerk
By: *Pam Halterman*
Deputy Clerk



RENDITION DATE 5/9/13

EXHIBIT "A" TO RESOLUTION

Site Name: Ponte Vedra

Site ID #: FL7041-A (JA73XC004)

AMENDMENT NO. 5 TO TOWER ATTACHMENT COMMUNICATIONS SITE AGREEMENT

This Amendment No. 5 to Tower Attachment Communications Site Agreement (this "Amendment"), effective as of the date last signed below ("Effective Date"), amends a certain Tower Attachment Communications Site Agreement between Nextel South Corp., a Georgia corporation ("Lessee"), and St. Johns County, a political subdivision of the State of Florida, through its Board of County Commissioners ("Owner"), dated October 21, 1998, as amended by First Amendment to Tower Attachment Communications Site Agreement dated March 18, 2002, and amended by Second Amendment to Tower Attachment Communications Site Agreement dated May 5, 2006, and further amended by Amendment No. 3 to Tower Attachment Communications Site Agreement dated November 27, 2006, and amended further by Amendment No. 4 to Tower Attachment Communications Site Agreement dated March 8, 2007 (collectively, the "Agreement").

BACKGROUND

WHEREAS, Lessee desires to modify its installation on the Premises by adding or swapping out antennas and other equipment to the Facilities, as more particularly described in Exhibit C-3 annexed hereto, and Lessee and Owner desire to modify the provisions of the Agreement as provided below.

AGREEMENT

For good and valuable consideration the receipt and sufficiency of which are acknowledged, Owner and Lessee agree as follows:

1. Modification to the Facilities. Exhibit C-2 to the Agreement is hereby amended to include the modifications identified on Exhibit C-3, a copy of which is attached and made a part hereof. Exhibit C-3 supplements Exhibit C-2 to the Agreement, and shall not be deemed to supersede or otherwise modify Exhibit C-2 or any part thereof except to the extent specifically set forth in Exhibit C-3. Upon full execution of this Amendment, Lessee is permitted to do all work necessary to prepare, maintain and alter the Premises to install or otherwise modify the Facilities, all as more fully described and contemplated in Exhibit C-3

2. Notice Address. The notice addresses in Section 18 of the Agreement or referenced therein for the parties listed below are hereby deleted in their entirety and replaced with the following:

To Owner: St. Johns County Land Management Systems
Attention: Real Estate Division
500 San Sebastian View
St. Augustine, FL 32084

With a mandatory copy to: St. Johns County Fire Rescue
Attn: Radio Systems Manager
3657 Gaines Road
St. Augustine, FL 32084

To Lessee: Sprint/Nextel Property Services
Sprint Site ID: FL7041-A (JA73XC004)
Mailstop KSOPHT0101-Z2650
6391 Sprint Parkway
Overland Park, Kansas 66251-2650

With a mandatory copy to: Sprint/Nextel Law Department
Sprint Site ID: FL7041_A (JA73XC004)
Mailstop KSOPHT0101-Z2020
6391 Sprint Parkway
Overland Park, Kansas 66251-2020
Attn.: Real Estate Attorney

3. General Terms and Conditions.

- a. All capitalized terms used in this Amendment, unless otherwise defined herein, will have the same meaning as the terms contained in the Agreement.
- b. In case of any inconsistencies between the terms and conditions contained in the Agreement and the terms and conditions contained in this Amendment, the terms and conditions herein will control. Except as set forth below, all provisions of the Agreement are ratified and remain unchanged and in full force and effect.
- c. This Amendment may be executed in duplicate counterparts, each of which will be deemed an original.
- d. Each of the parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this Amendment.

*****SIGNATURES ON FOLLOWING PAGE*****

Site Name: Ponte Vedra

Site ID #: FL7041-A (JA73XC004)

The parties have executed this Amendment as of the Effective Date.

Owner:

St. Johns County,
a political subdivision of the State of Florida,
through its Board of County Commissioners

Lessee:

Nextel South Corp.,
a Georgia corporation

By: _____

Printed Name: _____

Title: _____

Date: _____
(Date must be completed)

By: _____

Printed Name: _____

Title: _____

Date: _____
(Date must be completed)


Site Name: Ponte Vedra

Site ID #: FL7041-A (JA73XC004)

Exhibit C-3

[see attached]

TABLE OF CONTENTS	
1.0	GENERAL REQUIREMENTS
1.1	PURPOSE AND INTENT
1.2	CONTRACTS
1.3	CLEANING
1.4	COOCS
1.5	LEASING
1.6	OSHA
1.7	PHOTOS
1.8	BUILDING PERMITS
1.9	ZONING REGULATIONS & CONDITIONAL USE PERMITS
1.10	PA PERMIT AND TOWER LIGHTING
1.11	TOWER SECURITY
1.12	SITE CONTROL
2.0	GENERAL NOTES
3.0	STRUCTURAL STEEL
2.2	PRODUCT AND MATERIALS
3.0	FOUNDATIONS
4.0	GROUNDING
5.0	UTILITY POLES
02300	ELECTRICAL
06120	WIREWORK AND OTHER ELECTRICAL
08100	ROCKETS AND EXPLOSIVES
11007	AUTOMATIC ASSEMBLY AND INSTALLATION
11008	BASE TRANSDUCER STATIONS, TESTS AND RELATED EQUIPMENT INSTALLATION
18000	BASIC ELECTRICAL REQUIREMENTS
16001	ELECTRICAL MATERIALS AND EQUIPMENT
1.0	CONSTRUCTION TO CONFORM TO SPECIAL UNITS UNRECORDED CONSTRUCTION STANDARDS UNLESS OTHERWISE SPECIFIED BY APPLICABLE CODES
1.0	GENERAL REQUIREMENTS
1.1	PURPOSE AND INTENT
1.2	CONTRACTS
1.3	CLEANING
1.4	COOCS
1.5	LEASING
1.6	OSHA
1.7	PHOTOS
1.8	BUILDING PERMITS
1.9	ZONING REGULATIONS & CONDITIONAL USE PERMITS
1.10	PA PERMIT AND TOWER LIGHTING
1.11	TOWER SECURITY
1.12	SITE CONTROL
2.0	GENERAL NOTES
3.0	STRUCTURAL STEEL
2.2	PRODUCT AND MATERIALS
3.0	FOUNDATIONS
4.0	GROUNDING
5.0	UTILITY POLES
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PREPARED FOR:

 6391 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

ERICSSON
 6100 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

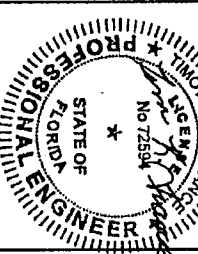
CLISGroup
 CONSULTING:
 609 S. KELLY AVENUE, STE. D
 EDMOND, OK 73003
 PH: (405) 348-5480
 FAX: (405) 341-4625

SITE NAME:
PONTE VERDRA BEACH
 SITE NUMBER:
JAT73XC004
 SITE ADDRESS:
 5430 PALM VALLEY RD
 PONTE VERDA BEACH, FL 32082
 SAINT JOHNS COUNTY

PE# 72594 EXP. 02/28/2015
 DRAWING BY: LMI
 APPROVED BY: TIF
 DATE DRAWN: 03/20/12

NO. DESCRIPTION BY DATE
 A PRELIMINARY ISSUE LMI 07/25/12
 B PRELIMINARY ISSUE LMI 07/18/12
 C FOR CONSTRUCTION LMI 07/24/12
 1 AMEND. REVISION PHS/2/18/13
 2 TOWER OWNER RVO 06/25/09/13

SHEET TITLE
GENERAL NOTES
 SHEET NUMBER
T2



3.0 STRUCTURAL STEEL

- A. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF APPLICABLE SPECIFICATIONS FOR DETAILING REINFORCED CONCRETE TO THE MANUAL OF STANDARD PRACTICES FOR REINFORCED CONCRETE.
- B. ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL, CONFORMING TO ASTM A-65, GRADE 60, DEFORMED.
- C. REINFORCING AND WELDING OF BARS IS PROHIBITED WITH THE EXCEPTION OF THE FOLLOWING:
- D. ALL REINFORCING BARS SHALL BE THE STEEL ENGINEER'S CHOICE.
- E. UNLESS OTHERWISE NOTED, ALL REINFORCEMENT SHALL HAVE A MINIMUM CONCRETE COVERAGE OF 3 INCHES. THIS MAY REQUIRE SPACERS AND CHAIRS AS REQUIRED BY TESTING AGENCY OR CONSTRUCTION LAWYER.
- F. CONSTRUCTION LAWYER SHALL BE PROVIDED, UNLESS APPROVED BY STANDARDS FOR STEELWORK.

4.0 REINFORCING

- MEET ALL APPLICABLE CODES, REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS AND SPANISH WIRELESS CONSTRUCTION SPECIFICATIONS.
- REINFORCING REVISIONS:
 1. A. CIRCLE CHANGES
 2. B. ALUMINUM HOOP WITH SLENDERING SWITCH
 3. C. VOLTAJE ADJUSTING RESISTIV
 4. D. OVER VOLTAGE PROTECTION
 5. E. LAMP TEST SWITCH
 6. F. RUN-OFF-RESIST/ALTO SWITCH (ENGINE START)
 7. H. BATTERY COOL DOWN TANKER (5 MINUTES)
- 2. ERROR-PROOF WIRING HARNESSES FOR ELECTRICAL CONNECTIONS
- 3. DC CIRCUIT PROTECTION
- 4. DC CIRCUIT PROTECTION

5.0 UTILITY POLES

- GENERATOR ACCESSORIES:
 1. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 2. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 3. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 4. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 5. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 6. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 7. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 8. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 9. BATTERY CHARGER-ALTERNATOR 6 AMP OUTPUT
 10. 7.5 GALLON LOCKABLE FILL WITH SPILL CONTAINMENT
- GENERATOR ACCESSORIES:
 1. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 2. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 3. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 4. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
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 7. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 8. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 9. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR
 10. BATTERY CHARGER-ALTERNATOR 100 AMPS, INSTALLED ON GENERATOR

SECTION - 02300 - EARTHWORK

- PART 3 - EXECUTION
- 3.4 PROTECT EXISTING UTILITIES: THE CONTRACTOR SHALL PERFORM ALL EXCAVATION AND BACKFILLING OF UTILITIES IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE DEPTHS INDICATED ON THE CONSTRUCTION DRAWINGS OR OTHERWISE SPECIFIED.
- A. PROTECTION OF EXISTING UTILITIES: THE CONTRACTOR SHALL CHECK WITH THE LOCAL UTILITIES AND THE RESPECTIVE UTILITY LOCATOR COMPANIES PRIOR TO EXCAVATION OF ANY UTILITIES. THE LOCATION, DEPTH AND STATUS OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING EXCAVATION AND BACKFILLING OPERATIONS. UTILITIES SHALL BE PROTECTED FROM DAMAGE DURING EXCAVATION AND ASSOCIATED OPERATIONS. ALL REPAIRS SHALL BE APPROVED BY THE UTILITY COMPANY.

SECTION - 03100 - CONCRETE

- 3.15 COMPACTED SAND FILL: COMPACTED SAND FILL MATERIAL SHALL CONSIST OF CLEAN WASH SAND. THE SAND SHALL CONFORM TO ASTM C-33 AND NOT LESS THAN 95 PERCENT SHALL PASS A NO. 200 SIEVE. NOT MORE THAN 10 PERCENT SHALL PASS A NO. 10 SIEVE.
- A. TAMPED SAND FILL SHALL BE PLACED ON A SUITABLE SUB-GRADE. THE SAND SHALL BE TAMPED TO A MINIMUM DENSITY AND OPTIMUM MOISTURE CONTENT WITH VIBRATING PLATEFORM TYPICAL COMPACTORS.

SECTION - 03200 - REINFORCING AND OTHER STRUCTURAL STEEL

- PART 1 - GENERAL
- 1.1 THE WORK THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONNECTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SECTION.
 - B. SPECIFICATIONS FOR STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES ARE INCLUDED IN AND MAKE A PART OF THESE SPECIFICATIONS HEREWITH.
- PART 2 - PRODUCTS
- 2.1 ICE STORAGE MATERIALS:
 - A. ICE STORAGE MATERIALS SHALL BE HOT DIP GALVANIZED AND CONNECTED TO A METAL ELECTRICAL CONTINUOUS SYSTEM PER THE CONSTRUCTION DOCUMENTS. ANY STEEL PENETRATIONS OR SAW CUTS TO GALVANIZED METAL SHALL BE TREATED WITH TWO COATS OF A ZINC RICH COLD GALVANIZING PAINT AS PER ASTM A 780 STANDARDS.

2.2 STRUCTURAL STEEL MATERIALS

- CONFORM TO THE LATEST EDITION OF APPLICABLE SPECIFICATIONS FOR DETAILING REINFORCED CONCRETE TO THE MANUAL OF STANDARD PRACTICES FOR REINFORCED CONCRETE.
- ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A36 UNLESS NOTED ON THE CONSTRUCTION DRAWINGS.
- ROLLED STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A36 UNLESS NOTED ON THE CONSTRUCTION DRAWINGS.
- STEEL PIPE SHALL CONFORM WITH ASTM A-301 OR ASTM A-53, TYPE E OR S, GRADE B, A-500 GRADE B STEEL MAY BE SUBSTITUTED.

PART 3 - EXECUTION

- 3.2 STRUCTURAL STEEL FABRICATION: ALL SHOP FABRICATION AND ASSEMBLY OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ALL SPECIFICATIONS AND AS NOTED ON THE APPROVED SHOP DRAWINGS. ALL MATERIALS SHALL BE THE LOCATION FOR WHICH IT IS INTENDED. MATERIALS SHALL BE STORED AND DELIVERED IN AN ORDER TO EXPEDITE ERECTION AND MINIMIZE FIELD HANDLING OF MATERIALS.
- 3.3 WELDING:
 - A. WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER AND SHALL CONFORM TO REQUIREMENTS FOR SHIELDED METAL ARC WELDING OF THE CONSTRUCTION CODE FOR ARC AND GAS WELDING OF THE AMERICAN WELDING SOCIETY (AWS D11.1) CONFORM WITH AWS CODE AND SHALL BE CLASSIFIED AS E-70 ELECTRODES AS A MINIMUM WHERE FINISHING OF REINFORCED CONCRETE THE ASSEMBLY, INCLUDING WELDING OF UNITS, BEFORE THE START OF FINISHING OPERATIONS. PROVIDE FINISH SURFACES OF EXPOSED MEMBERS THAT ARE FREE FROM WELDERS' BURRS AND OTHER DEFECTS.
 - B. WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER AND SHALL CONFORM TO REQUIREMENTS FOR SHIELDED METAL ARC WELDING OF THE CONSTRUCTION CODE FOR ARC AND GAS WELDING OF THE AMERICAN WELDING SOCIETY (AWS D11.1) CONFORM WITH AWS CODE AND SHALL BE CLASSIFIED AS E-70 ELECTRODES AS A MINIMUM WHERE FINISHING OF REINFORCED CONCRETE THE ASSEMBLY, INCLUDING WELDING OF UNITS, BEFORE THE START OF FINISHING OPERATIONS. PROVIDE FINISH SURFACES OF EXPOSED MEMBERS THAT ARE FREE FROM WELDERS' BURRS AND OTHER DEFECTS.
 - C. APPEARANCE AND QUALITY OF WELDS AND FINISHES SHALL BE AS NOTED ON THE WELDING WORK ASSEMBLY AND WELD BUILD-UP SECTIONS BY METHODS THAT WILL PRODUCE CORRECT DIMENSIONS WITHOUT WAFF.

3.5 REPAIR, REPAIR ALL DAMAGED GALVANIZED STEEL WITH "GALVANOL" "TINY DAVE" OR "ZINC-IT" OR APPROVED EQUAL FOR THE MANUFACTURER'S INSTRUCTIONS.

SECTION 06100 - ROOFING

- PART 1 - GENERAL
- 1.1 THE WORK THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONNECTION WITH THE OTHER CONTRACT DOCUMENTS.
- 1.2 RELATED DOCUMENTS:
 - A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SECTION.
 - B. SPECIFICATIONS FOR STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES ARE INCLUDED IN AND MAKE A PART OF THESE SPECIFICATIONS HEREWITH.
- PART 2 - PRODUCTS
- 2.1 MATERIALS:
 - A. RIMWOOD BURNING PAINTS: MP, C-D FLUOROS EXPOSURE 1 WITH EXTERIOR GLEZ-FIL REFINISHANT TREATED.
 - B. FINISHING ANCHORS AND FASTENERS: NON-CORROSIVE, SUITABLE FOR LOAD AND EXPOSURE. DRIVWALL SCREWS AND NOT ACCEPTABLE.

PART 3 - EXECUTION

- 3.1 INSTALLATION
- B. RIMWOOD: COMPLY WITH RECOMMENDATIONS OF MFR, DESIGN AND CONSTRUCTION GUIDE-RESIDENTIAL AND COMMERCIAL.
- C. FINISHING WALLERS, BLOODING AND GROUNDING WHERE REQUIRED, SET WORK FLUSH, LEVEL, AND ACCURATELY CUT.
- D. INSTALL MATERIALS AND SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SUBMITTALS. INSTALL MATERIALS AND SYSTEMS IN PROPER RELATION WITH ADJACENT CONSTRUCTION, COORDINATE WITH OTHER WORK.
- E. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR CUTTING, HANDLING, AND WORKING TREATED MATERIALS.

PREPARED FOR:



6391 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON
6100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

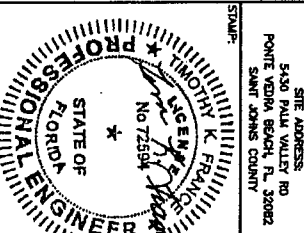


699 S. KELLY AVENUE, STE. D
EDMOND, OK 73003
PH: (405) 348-5480
FAX: (405) 341-4825

CONTRACT NO. 28625 EXP. 2/28/2015

SITE NAME:
PONTE VERDRA BEACH
SITE NUMBER:
JA73XC004

SITE ADDRESS:
5430 PALM VALLEY RD
PONTE VERDRA BEACH, FL 32082
SMITH JOHN'S COUNTY



DATE DRAWN: 03/20/12
APPROVED BY: TFR
REVISION:

NO.	DESCRIPTION	BY	DATE
A	PRELIMINARY ISSUE	LM	07/25/12
B	PRELIMINARY ISSUE	LM	07/18/12
0	FOR CONSTRUCTION	TT	07/24/12
1	ANDBAY REVISION	PHB	07/18/13
2	TOWER OWNER RWD	PHB	07/09/13

SHEET TITLE:
GENERAL NOTES
SHEET NUMBER:
T3

23.5 SPACING JOISTS

1. INSTALL CONCRETE FITTINGS FOR CONDUIT PENETRATIONS OF CONCRETE WALLS. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL CONCRETE FITTINGS AND THEIR SUPPORTING HARDWARE SHALL BE OF THE SAME MATERIAL AND FINISH AS THE SURROUNDING CONCRETE.

24 CONDUIT

A. PROVIDE 1/2" ENCLLOSURES INDOOR, NEAR OR UPWARD ENCLOSE EXCEPT AS OTHERWISE INDICATED. CHECK BREAKER HANDLES SHALL BE LOCKABLE IN THE OFF POSITION.

25 CONDUIT FITTINGS

A. PROVIDE EXPANSION FITTINGS WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS NOT IN CONCRETE, APPLIED ON CROSS-HATCH X JOINTS.

26 ELECTRICAL IDENTIFICATION

A. DURING TRENCH BACKFILLING, FOR EXTERIOR UNDERGROUND POWER, CONTROLS, LINE AND/OR LOCATION IDENTIFICATION, THE CONTRACTOR SHALL UNDERGROUND PLASTIC BELOW FINISHED GRADE INSTALL TWO LINE MARKERS 4" IN FROM THE EDGE OF EACH TRENCH WHERE THE TRENCH EXCEEDS 18" IN WIDTH. INSTALL LINE MARKERS FOR ALL UNDERGROUND ELECTRICAL TRENCHES REQUIRING IDENTIFICATION OF POWERED DEVICES FOR ATTACHING HANGERS TO STRUCTURE SHALL NOT BE PERMITTED.

27 TESTING

TEST ALL EQUIPMENT BEFORE PROJECT CLOSURE TO ENSURE PROPER OPERATION OF ALL SYSTEMS AND EQUIPMENT ACCORDING TO MANUFACTURER'S STANDARD DIVISION 16 SECTIONS.

28 WARRANTY

CONTRACTOR SHALL WARRANT WORK AGAINST ANY DEFECTS, OMISSIONS, OR ERRORS IN THE CONTRACT DOCUMENTS FROM THE DATE OF COMPLETION OF THE PROJECT TO THE DATE OF FINAL ACCEPTANCE, EXCEPT AS OTHERWISE REQUIRED BY DIVISION 1, OR BY THE SPECIAL PROVISIONS OF OTHER DIVISION 16 SECTIONS.

SECTION 16001 - ELECTRICAL MATERIALS AND EQUIPMENT

PART 1 - GENERAL

1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONNECTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

1.2 RELATED DOCUMENTS:

A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.

1.3 SUMMARY:

THIS SECTION SPECIES ELECTRICAL MATERIALS AND EQUIPMENT. THE REQUIREMENTS OF SECTION 16000 APPLY TO THIS SECTION AS WELL.

PART 2 - PRODUCTS

2.1 DISCONNECT SWITCHES:

A. FINISHES AND INSTALL EXTERNALLY OPERATED, QUICK-BREAK, QUICK-BREAK, SAFETY, FUSED AND NON-FUSED HEAVY DUTY DISCONNECT SWITCHES WHERE SHOWN ON THE DRAWINGS AND WHERE REQUIRED BY NEC. SWITCHES SHALL BE /MINIMUM 1/2" OR APPROVED EQUAL. 1-1/2", 2", 3", 4", 6", 8", 10", 12", 15", 20", 25", 30", 35", 40", 45", 50", 60", 75", 100", 125", 150", 200", 250", 300", 350", 400", 450", 500", 600", 750", 1000, 1250, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 6000, 7500, 10000, 12500, 15000, 20000, 25000, 30000, 35000, 40000, 45000, 50000, 60000, 75000, 100000, 125000, 150000, 200000, 250000, 300000, 350000, 400000, 450000, 500000, 600000, 750000, 1000000, 1250000, 1500000, 2000000, 2500000, 3000000, 3500000, 4000000, 4500000, 5000000, 6000000, 7500000, 10000000, 12500000, 15000000, 20000000, 25000000, 30000000, 35000000, 40000000, 45000000, 50000000, 60000000, 75000000, 100000000, 125000000, 150000000, 200000000, 250000000, 300000000, 350000000, 400000000, 450000000, 500000000, 600000000, 750000000, 1000000000, 1250000000, 1500000000, 2000000000, 2500000000, 3000000000, 3500000000, 4000000000, 4500000000, 5000000000, 6000000000, 7500000000, 10000000000, 12500000000, 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PREPARED FOR:



6331 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON

6100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CONSULTANT:



809 S. KELLY AVENUE, STE. D
EMMONS, OK 73003
PH: (405) 348-5460
FAX: (405) 341-4825

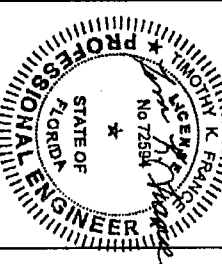
COA 28525 EXP. 2/28/2015

PONTE VERDRA BEACH

SITE NAME:
JAT73XC004

SITE ADDRESS:
5430 PALM VALLEY RD
PONTE VERDRA BEACH, FL 32082
SANT JOHNS COUNTY

STAMP:



PE# 72594 EXP. 02/28/2015

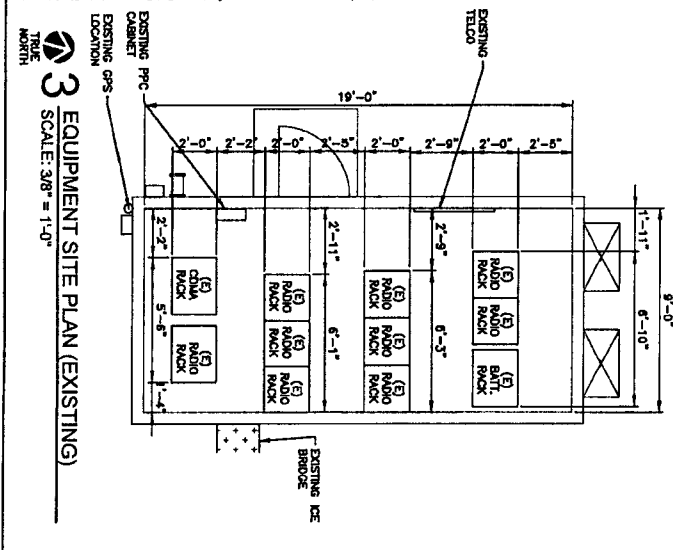
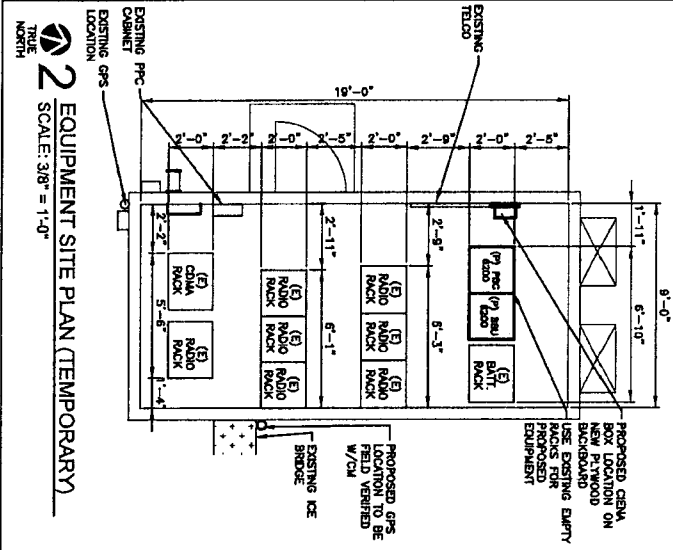
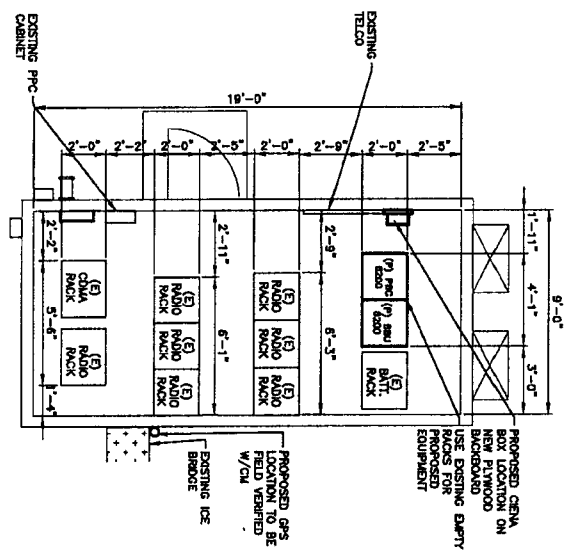
DATE DRAWN: 03/20/12
APPROVED BY: TJE

NO	DESCRIPTION	BY	DATE
1	PRELIMINARY ISSUE	AM	09/25/12
2	FOR CONSTRUCTION	TT	07/18/12
3	ANTENNA REVISION	PH	07/24/12
4	TOWER OWNER REV	PH	08/15/12

SHEET TITLE:
EQUIPMENT SITE PLANS

SHEET NUMBER:
A2

1 EQUIPMENT SITE PLAN (FINAL)
SCALE: 3/8" = 1'-0"



2 EQUIPMENT SITE PLAN (TEMPORARY)
SCALE: 3/8" = 1'-0"

3 EQUIPMENT SITE PLAN (EXISTING)
SCALE: 3/8" = 1'-0"

NOTE:
EQUIPMENT PROVIDED BY OWNER AND
PROVIDED BY CONTRACTOR
REQUESTED BY OWNER

EQUIPMENT SCHEDULES ARE BASED ON RFD REVISION B1
(07-09-2012) (CONTRACTOR TO PULL LATEST REVISION OF RFD'S
SHEET WITHIN 24 HOURS PRIOR TO START OF CONSTRUCTION)

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

Equipment	Quantity	Unit	Material	Quantity	Unit	Material	Quantity	Unit	Material
...

1 ANTENNA SCHEDULE
SCALE: N.T.S.

NOTES:
1. THE CONTRACTOR SHALL OBTAIN THE LATEST RFD'S PRIOR TO PURCHASING ANY MATERIALS AND/OR PRIOR TO THE STARTING OF ANY CONSTRUCTION ACTIVITIES.
2. IF LATEST RFD'S REFLECTS CHANGES IN PROPOSED EQUIPMENT OR OTHERWISE IDENTIFY NOT SHOWN ON THE SCHEDULES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THESE DISCREPANCIES BETWEEN THE LATEST RFD'S AND THE STAGED PLAN SET VOUCHERS. THE ENGINEER OF RECORD WILL REVIEW AND PROVIDE APPROVED APPROVAL OR DENIAL.
3. (*) REVISIONS TO RFD'S REFLECTS CHANGES MADE BY TOWER OWNER AND PROVIDED TO C&S.

PREPARED FOR:
Sprint
6391 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON
8100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CISGroup
CONSULTANT:
609 S. KELLY AVENUE, STE. D
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COA 28525 EXP. 2/28/2015

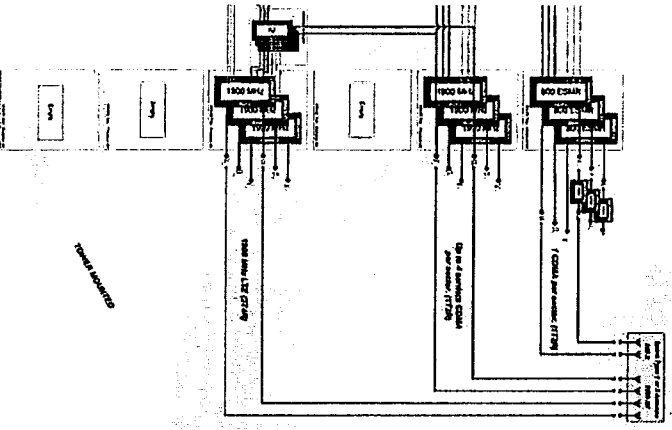
SITE NAME:
PONTE VERDRA BEACH
SITE NUMBER:
JAT3XC004
SITE ADDRESS:
5430 PALM VALLEY RD
PONTE VERDRA BEACH, FL 32082
SANT JOHNS COUNTY

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No 72594
K. FRANCIS
K. FRANCIS

FEEL 72594 EXP. 02/28/2015
DRAWN BY: JHT
APPROVED BY: THT
DATE DRAWN: 03/20/12
NO DESCRIPTION ISSUE BY DATE
A PRELIMINARY ISSUE M/R 07/29/12
B PRELIMINARY ISSUE M/R 07/19/12
C FOR CONSTRUCTION M/R 07/24/12
1 ANTENNA REVISION P/R 07/19/12
2 TOWER OWNER INFO P/R 07/09/12
SHEET TITLE:
ANTENNA & EQUIPMENT SCHEDULES
SHEET NUMBER:
A4

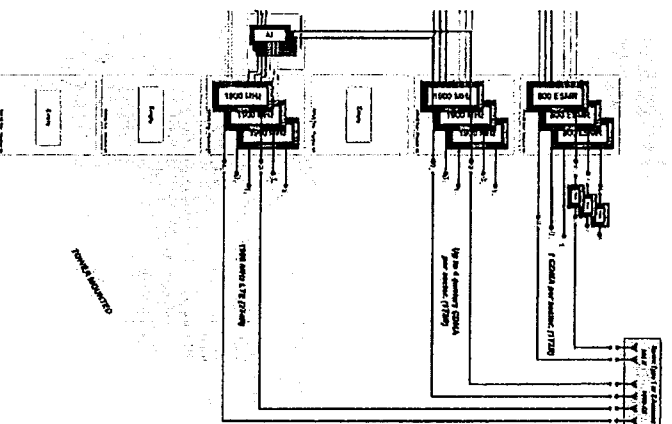
NOTE:
 EQUIPMENT SCHEDULES ARE BASED ON RFD REVISION B1
 (07-03-2012) (CONTRACTOR TO PULL LATEST REVISION OF RFDs
 SHEET WITHIN 24 HOURS PRIOR TO START OF CONSTRUCTION)

EQUIPMENT SCHEDULES ARE BASED ON RFD REVISION B1
 (07-03-2012) (CONTRACTOR TO PULL LATEST REVISION OF RFDs
 SHEET WITHIN 24 HOURS PRIOR TO START OF CONSTRUCTION)



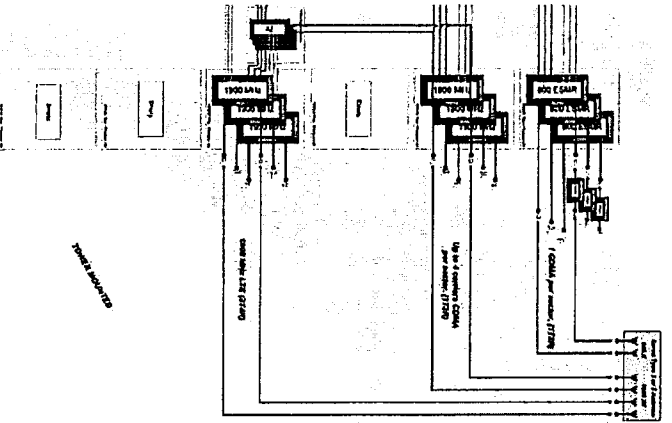
3 GAMMA PLUMBING DIAGRAM
 SCALE: N.T.S.

RMS 6182 Alpha Room - 2011 Deployments with RFDs-1
 800 MHC: 1 center 1729 CDM
 1000 MHC: up to 4 centers 1729 CDM
 1500 MHC: 3 3/8" STD. LTR



2 BETA PLUMBING DIAGRAM
 SCALE: N.T.S.

RMS 6182 Alpha Room - 2011 Deployments with RFDs-1
 800 MHC: 1 center 1729 CDM
 1000 MHC: up to 4 centers 1729 CDM
 1500 MHC: 3 3/8" STD. LTR



1 ALPHA PLUMBING DIAGRAM
 SCALE: N.T.S.

RMS 6182 Alpha Room - 2011 Deployments with RFDs-1
 800 MHC: 1 center 1729 CDM
 1000 MHC: up to 4 centers 1729 CDM
 1500 MHC: 3 3/8" STD. LTR

PREPARED FOR:

6391 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

ERICSSON

6100 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

CLISGroup

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CONTRACTOR:
 CON. 26325 EXP. 2/28/2015

SITE NAME:
PONTE VERDRA BEACH

SITE NUMBER:
JA73XC004

SITE ADDRESS:
 5430 PALM VALLEY RD
 PONTE VERDRA BEACH, FL 32082
 SAINT JOHNS COUNTY

STATE ENGINEER

STATE OF FLORIDA

NO. 72594

Professional Engineer Seal

PE# 72594 EXP. 02/28/2015

DESIGN BY:	LHR
APPROVED BY:	TJR
DATE DRAWN:	03/20/12
REVISION	
NO. DESCRIPTION	BY DATE
A PRELIMINARY ISSUE	LHR 06/25/12
B PRELIMINARY ISSUE	LHR 07/18/12
C FOR CONSTRUCTION	TT 07/24/12
1 ANTENNA REVISION	PROS 10/18/13
2 TOWER OWNER RFD	BCD 09/09/13

SHEET TITLE:
ANTENNA PLUMBING DIAGRAMS

SHEET NUMBER:
A5

ITEM	RU/PER	W/PER	POWER/PER	QTY.	TOTAL RU	TOTAL W/	TOTAL POWER	COMMENTS
RBS 6001	1.5	22	200	4	6	66	800	3" RITE/4 AND 3/4 COARD 1X 504/4
-4 SUP								
-400L-20 /4								
08U 20U	2	17.8	188	3	6	53.4	507	
-1100000E 10M								
CE28	3	16.7	48	2	6	37.4	82	
4K 5P210/2P310	1.5	17.4	150	1	1.5	17.8	150	
4K 7U 2P/2AMP								
4P-504L 5.75M	3	8.7	327	1	3	8.7	327	
SFP KIT								DEPENDS ON RU CONFIGURATION
1P RACK 20M4	1							ALL CABLES
400MM/600MM/800MM KIT	1							CAGE MITS, CAGE SCREENS, LINES, MOUNTING SCREWS
SCREW PROTECTION KIT	1							CABLE PANELS BRACKET THE WIRING, FIBER THE WIRING
CABLE MANAGEMENT KIT	1							
TOTAL					22.8	513.1	1878	

3 COMPONENT DIMENSIONS - PHASE 2

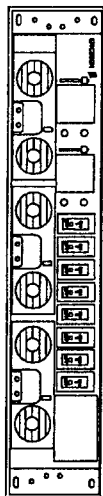
SCALE: N.T.S. DIMENSIONS PROVIDED BY OWNER

ITEM	RU/PER	W/PER	POWER/PER	QTY.	TOTAL RU	TOTAL W/	TOTAL POWER	COMMENTS
RBS 6001	1.5	22	200	1	1.5	22	200	1x 504/4
4K 5P210/2P310	1.5	17.4	150	1	1.5	17.8	150	
4K 7U 2P/2AMP								
4P-504L 5.75M	3	8.7	327	1	3	8.7	327	
SFP KIT								DEPENDS ON RU CONFIGURATION
CABLE KIT								ALL CABLES
MOUNTING/GROUNDING KIT								CAGE MITS, CAGE SCREENS, LINES, MOUNTING SCREWS
SCREW PROTECTION KIT								CABLE PANELS BRACKET THE WIRING, FIBER THE WIRING
CABLE MANAGEMENT KIT								
TOTAL					6	48.3	677	

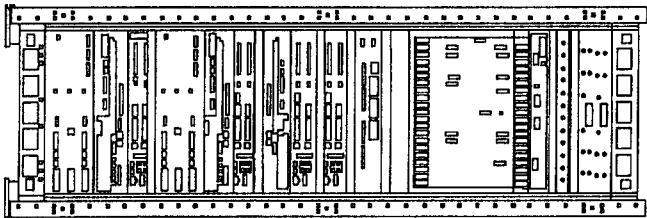
ITEM	RU/PER	W/PER	POWER/PER	QTY.	TOTAL RU	TOTAL W/	TOTAL POWER	COMMENTS
PBC 6200 POWER RACK	2	30.8	6300	1	2	2	2	600MM/1545 mm
PBC 6200 POWER UNIT	N/A	123.4	21000	1	N/A	N/A	N/A	
PBC 6200 BATTERY RACK	N/A	101.2		1	N/A	N/A	N/A	110-1272 KG BATTERY WEIGHT DEPENDS ON CONFIGURATION
BATTERIES	N/A	2788.4			N/A	N/A	N/A	

2 COMPONENT DIMENSIONS - LTE ONLY

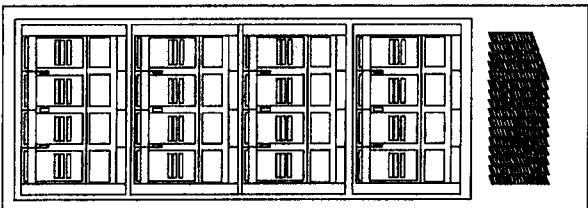
SCALE: N.T.S. DIMENSIONS PROVIDED BY OWNER



PBC 6200 POWER SHELF - 2U



BBU 6200



PBC 6200

1 PROPOSED INDOOR EQUIPMENT

SCALE: N.T.S. DIMENSIONS PROVIDED BY OWNER

PREPARED FOR:
Sprint
 6391 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

ERICSSON
 8100 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

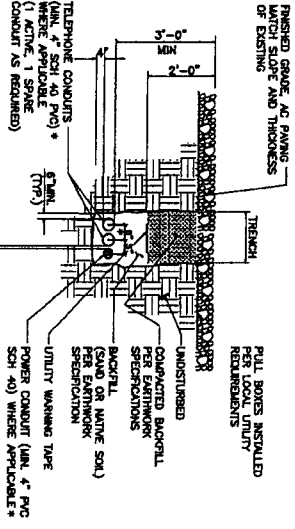
CLISGroup
 509 S. NELLY AVE., STE. 0
 EMMAUS, OK 73043
 PH: (405) 344-3480
 FAX: (405) 341-1623
 CON: 26025 DEP. 2/26/2015

SITE NAME:
PONTE VERDRA BEACH
 SITE NUMBER:
JAT3XC004
 5430 PALM WALKER RD
 PONTE VERDRA BEACH, FL 32082
 SAINT JOHN'S COUNTY

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No. 72584
 DATE DRAWN: 02/20/12
 DATE DRAWN: 02/20/12
 APPROVED BY: [Signature]
 DRAWN BY: [Signature]

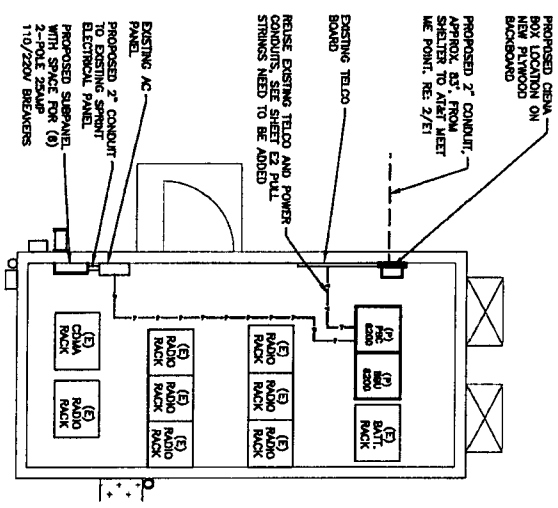
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B	PRELIMINARY ISSUE	JM	07/19/12
O	FOR CONSTRUCTION	TT	07/26/12
1	REVISION	JPK	07/18/13
2	FOR CONSTRUCTION	JPK	07/18/13

SHEET NUMBER: **A7**
 SHEET TITLE: **CABINET DETAILS**



2 CONDUIT TRENCH DETAIL

SCALE: N.T.S.



1 ELECTRICAL/TELCO SITE PLAN (TEMPORARY)

SCALE: 1/8\"/>

ELECTRICAL NOTES:

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), AND APPLICABLE LOCAL CODES AS ADOPTED BY LOCAL JURISDICTIONS.
2. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
3. ALL WIRING SHALL BE UL APPROVED OR LISTED.
4. ALL WIRING SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT UNLESS NOTED OTHERWISE.
5. LABEL, SPRAY SERVICE DISCONNECT SWITCH AND PVC JOINT WITH BROWN LAMINATED LABELS, LETTERS 1\"/>
- 6. ENGAGE AN INDEPENDENT TESTING FIRM TO TEST AND VERIFY THAT RESISTANCE DOES NOT EXCEED 5 OHMS TO GROUND, TEST GROUNDING AND RECORD RESULTS. PROVIDE PHOTOGRAPHS OF TESTING AND OTHER OPERATIONAL TESTING SHALL BE WITNESSED BY SPURTS REPRESENTATIVE.
- 7. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE REQUIRED, SO THAT CONDUIT BENDS DO NOT EXCEED 90 DEGREE BENDS.
- 8. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND LOCAL ORDINANCES, INSTALLED IN A NEAT MANNER, AND SHALL BE SUBJECT TO APPROVAL BY SPURTS REPRESENTATIVE.
- 9. SITE CONDITIONS AFFECTING THIS WORK, REPORT ANY OBSTACLES OR DISCREPANCIES FOR CLARIFICATION PRIOR TO THE START OF CONSTRUCTION.
- 10. PROTECT EXISTING STRUCTURES AND FINISHES FROM DAMAGE.
- 11. REMOVE DEBRIS ON A DAILY BASIS. DEBRIS NOT REMOVED IN A TIMELY FASHION WILL BE REMOVED BY OTHERS AND THE RESPONSIBLE SUBCONTRACTOR SHALL BE CHARGED ACCORDINGLY.
- 12. REMOVAL OF DEBRIS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- 13. UPON COMPLETION OF WORK, THE SITE SHALL BE CLEAN AND FREE OF DIRT AND FINGERPRINTS.
- 14. PRIOR TO ANY TRENCHING, CONTACT LOCAL UTILITY TO VERIFY LOCATION OF ALL UTILITIES AND OBTAIN NECESSARY PERMITS.
- 15. DOCUMENT ALL CHANGES AND REVISIONS TO THE ORIGINAL DRAWING WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PRESENT PHOTO ARCHIVE AT SITE. PUNCH LIST WALK TO SPURTS REPRESENTATIVE.

ABBREVIATIONS:

A	AMPERE FRAME
A-F	ANTENNA GROUND BAR
C	CONDUIT
CH	CHIMNEY
HM	MASTER HOUR BAR
MB	MASTER GROUND BAR
PC	POLYVINYL CHLORIDE
PVC	RIGID PVC CONDUIT
SN	SOLID NEUTRAL
V	VOLT
W	WIRE
W	WIRE

LEGEND:

- 1. HELDOUT HOUR METERS
- 2. COPPER GROUND BAR MOUNTED ON INSULATORS
- 3. CIRCUIT BREAKER
- 4. TOGGLE LIGHT SWITCH
- 5. JUNCTION BOX
- 6. GROUND TEST WELL
- 7. EXPLOSION PROOF BONDING CONNECTION
- 8. 5/8\"/>
- 9. STEEL GROUND ROD
- 10. 125 VOLT NEHA CONFIGURATION 5-20R
- 11. DUPLEX RECEPTACLE MOUNTED 15\"/>
- 12. POWER WIRING
- 13. TELCO WIRING
- 14. GROUND WIRE

PREPARED FOR:

Sprint
6397 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON

8100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CISGroup

699 S. KELLY AVENUE, STE. D
EDMOND, OK 73003
PH: (405) 344-4440
FAX: (405) 341-4425

CONTRACT NO. 28525 EXP. 2/26/2015

SITE NAME:
PONTE VERDRA BEACH

SITE NUMBER:
JAZ73KC004

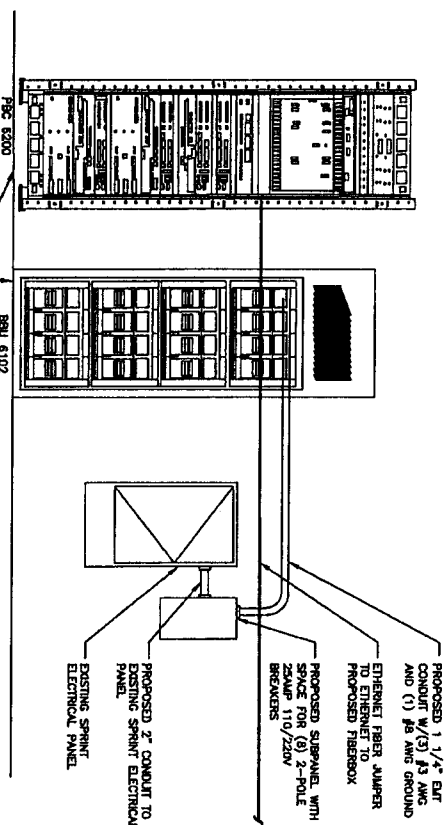
SITE ADDRESS:
5430 PALM VALLEY RD
PONTE VERDA BEACH, FL 32082
SANT JOHNS COUNTY

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 72594
M. K. FRANCE
M. K. FRANCE
M. K. FRANCE

DESIGN DATE:	MAY 2012
APPROVED BY:	TUE
DATE DRAWN:	02/20/12
REVISION:	
NO. DESCRIPTION	BY DATE
1 PRELIMINARY ISSUE	JM 06/25/12
2 PRELIMINARY ISSUE	JM 07/19/12
3 FOR CONSTRUCTION	TT 07/24/12
1 ANTENNA REVISION	JRN 05/18/13
2 TOWER OWNER INFO	BRE 05/28/13

SHEET TITLE:
UTILITIES SITE PLAN

SHEET NUMBER:
E1



3 POWER RISER DIAGRAM FOR RIGID CONNECTION

SCALE: N.T.S.

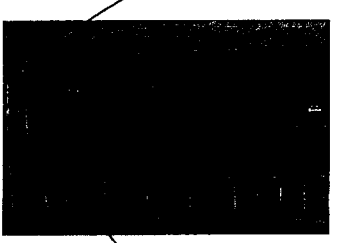
ERICSSON IMA-BTS RBS 6102	ALARM CONTRACT	SEVERITY	OWNER	COMMENTS	COLOR CODE
BTS SCAM POINT 1 [11000] UTILITY POWER FAILURE	NC	MAJOR	SERVICE ASSURANCE	RBS/RIGHT OVP1/44	WHITE/BLUE
BTS SCAM POINT 2 [11200] GENERATOR FAILURE	NC	MINOR	FIELD SERVICES	RBS/RIGHT OVP1/45	WHITE/ORANGE
BTS SCAM POINT 3 [11201] GENERATOR RUNNING	NC	MINOR	DIAGS ONLY	RBS/RIGHT OVP1/46	WHITE/GREEN
BTS SCAM POINT 4 [11202] GENERATOR LOW FUEL THRESHOLD REACHED	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP1/47	WHITE/BROWN
BTS SCAM POINT 5 [19000] TOWER TOP LIGHT FAILURE, NORMAL REQUIRED	NC	MAJOR	SERVICE ASSURANCE	RBS/RIGHT OVP1/48	WHITE/SLATE
BTS SCAM POINT 6 [19100] TOWER SIDE LIGHT FAILURE, NO NORMAL	NC	MINOR	SERVICE ASSURANCE	RBS/RIGHT OVP2/42	RED/BLUE
BTS SCAM POINT 7 [19008] 1800/1 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP2/43	RED/BROWN
BTS SCAM POINT 8 [19009] 1800/2 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP2/41	WHITE/BROWN
BTS SCAM POINT 9 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/LEFT OVP1/41	WHITE/BROWN
BTS SCAM POINT 10 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP1/44	RED/ORANGE
BTS SCAM POINT 11 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP1/44	RED/GREEN
BTS SCAM POINT 12 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP2/46	RED/SLATE
BTS SCAM POINT 13 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP2/46	RED/SLATE
BTS SCAM POINT 14 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP1/42	RED/BLACK
BTS SCAM POINT 15 [2008] 800 DBU FAN FAILURE (CABLE SUPPLIED INTERVAL)	NC	MAJOR	FIELD SERVICES	RBS/RIGHT OVP1/41	BLACK/BROWN

2 BTS ALARM SCHEDULE

SCALE: N.T.S.

1 EXISTING PANEL SCHEDULE

SCALE: N.T.S.



PREPARED FOR: **Sprint**
 6391 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

ERICSSON
 6100 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

CISGroup
 CONSULTANT:
 608 S. KELLY AVENUE, STE. D
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 PH: (405) 348-5440
 FAX: (405) 341-4825

CONTRACT NUMBER: 004 28525 EXP. 2/28/2015

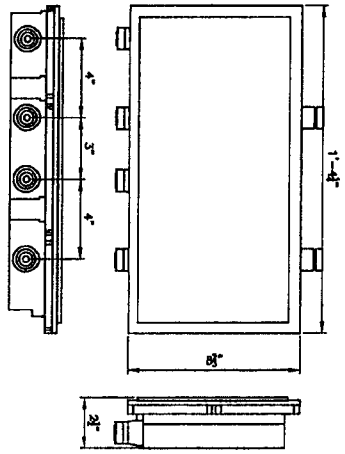
SITE NAME:
PONTE VERDRA BEACH
 SITE NUMBER:
JAT3XC004
 SITE ADDRESS:
 5430 PALM VALLEY RD
 PONTE VERDRA BEACH, FL 32082
 SAINT JOHN'S COUNTY

STAMP:
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No 72584
 MOYTHY K. RAJASEKARAN

RF# 72584 EXP. 02/28/2015
 DRAWN BY: [Signature]
 APPROVED BY: [Signature]
 DATE DRAWN: 02/29/12

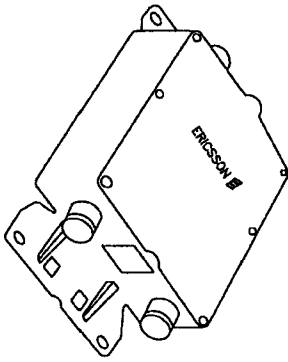
NO.	DESCRIPTION	BY	DATE
1	PRELIMINARY ISSUE	JM	06/25/12
2	FOR CONSTRUCTION	JM	07/19/12
3	FOR CONSTRUCTION	JM	07/24/12
4	FOR CONSTRUCTION	JM	07/24/12
5	FOR CONSTRUCTION	JM	07/24/12
6	FOR CONSTRUCTION	JM	07/24/12
7	FOR CONSTRUCTION	JM	07/24/12
8	FOR CONSTRUCTION	JM	07/24/12
9	FOR CONSTRUCTION	JM	07/24/12
10	FOR CONSTRUCTION	JM	07/24/12
11	FOR CONSTRUCTION	JM	07/24/12
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16	FOR CONSTRUCTION	JM	07/24/12
17	FOR CONSTRUCTION	JM	07/24/12
18	FOR CONSTRUCTION	JM	07/24/12
19	FOR CONSTRUCTION	JM	07/24/12
20	FOR CONSTRUCTION	JM	07/24/12

SHEET TITLE: **POWER/TELECOM DIAGRAMS**
 SHEET NUMBER: **E2**



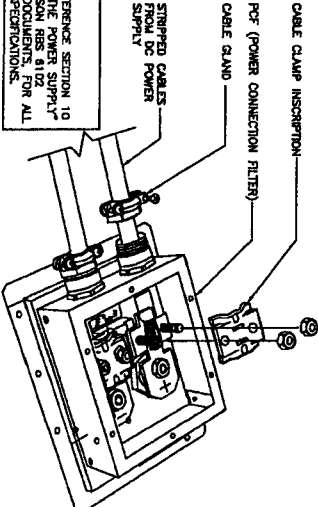
6 RFS COMBINER DETAIL
SCALE: N.T.S.

DETAIL PROVIDED BY OWNER

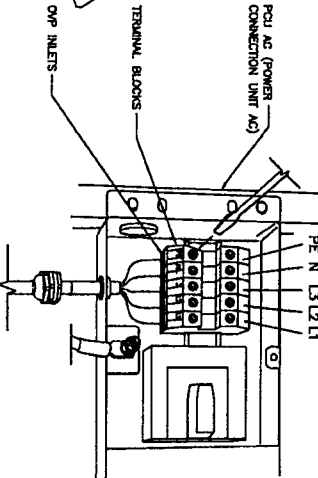


5 800 MHz SMR FILTER
SCALE: N.T.S.

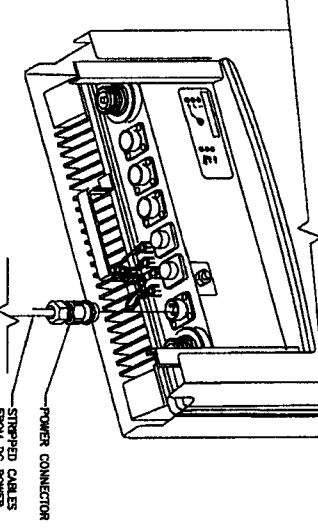
DETAIL PROVIDED BY OWNER



3 DC POWER CONNECTION AT RBS
SCALE: N.T.S.

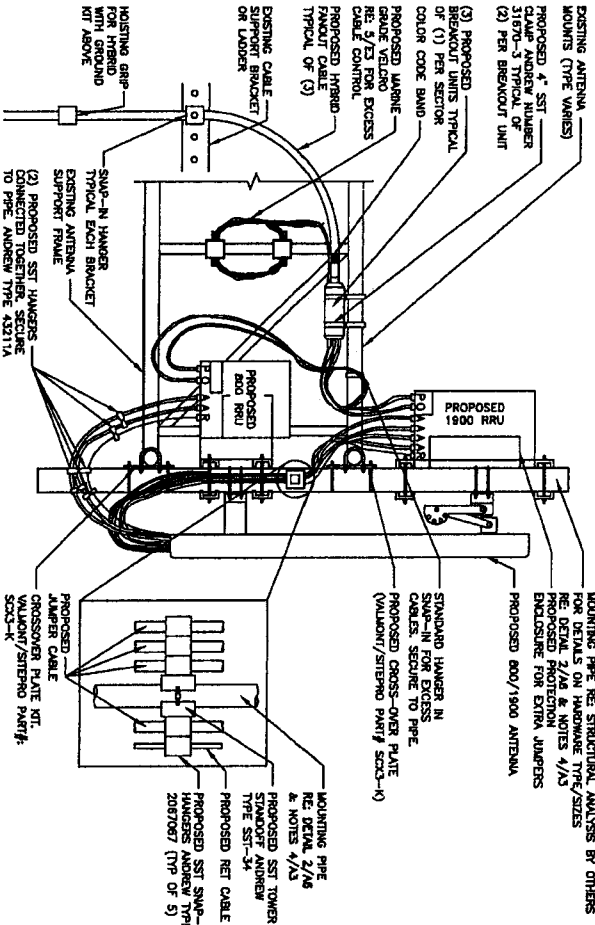


2 AC POWER CONNECTION AT RBS
SCALE: N.T.S.



1 48V DC POWER CONNECTION AT RRU
SCALE: N.T.S.

4 800/1900 ANTENNA MOUNTING DETAIL (TYP)
SCALE: N.T.S.



NOTE:
DC SHALL REFERENCE SECTION 10 CONNECTING THE POWER SUPPLY OF THE ERICSSON RBS 8102 INSTALLATION DOCUMENTS FOR ALL CONNECTION SPECIFICATIONS.

NOTE:
DC SHALL REFERENCE SECTION 8.4 CONNECTING THE -48V DC POWER SUPPLY OF THE ERICSSON RBS INSTALLATION DOCUMENTS FOR ALL CONNECTION SPECIFICATIONS.

NOTE:
DC SHALL REFERENCE SECTION 10 CONNECTING THE POWER SUPPLY OF THE ERICSSON RBS 8102 INSTALLATION DOCUMENTS FOR ALL CONNECTION SPECIFICATIONS.

EXISTING ANTENNA MOUNTS (TYPE VARIES)
PROPOSED 4" SST CLAMP ANDREW NUMBER STOPS-3 TYPICAL OF (2) PER BREAKOUT UNIT
(3) PROPOSED BREAKOUT UNITS TYPICAL OF (1) PER SECTION COLOR CODE BAND
PROPOSED VARIANTE GRADE VELDRO RE: 5/23 FOR EXCESS CABLE CONTROL
PROPOSED HYBRID PAWOUT CABLE TYPICAL OF (3)
EXISTING CABLE SUPPORT BRACKET OR LADDER
HOISTING GAPE FOR HYBRID WITH GROUND KIT ABOVE
SWP-IN HANGER TYPICAL EACH BRACKET
EXISTING ANTENNA SUPPORT FRAME
PROPOSED SST HANGERS CONNECTED TOGETHER, SECURE TO POF ANDREW TYPE 43211A
MOUNTING PIPE RE: STRUCTURAL ANALYSIS BY OTHERS FOR DETAILS ON FRAME TYPE/SIZES PER DESIGN FROM NOTES 4/15 PRE-DESIGN FROM ENCLURE FOR EXTRA HANGERS
PROPOSED 800/1900 ANTENNA
STANDARD HANGER IN SWP-IN FOR EXCESS CABLES. SECURE TO PIPE (VALUANT/SITING PART# SC33-4)
PROPOSED CROSS-OVER PLATE
MOUNTING PIPE RE: DETAIL 2/16 & NOTES 4/15
PROPOSED SST TOWER STANVOFF ANDREW TYPE SST-34
PROPOSED RET CABLE
PROPOSED SST SWP-IN HANGERS (TYP OF 5)
PROPOSED AMPER CABLE CROSSOVER PLATE W/ VALUANT/SITING PART# SC33-K

PREPARED FOR:
Sprint
6391 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON
6100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CISGroup
CONSULTANT:
609 S. KELLY AVENUE, STE. D
EDMOND, OK 73003
PH: (405) 348-5480
FAX: (405) 341-4825

COA 29825 EXP: 2/26/2015
SITE NAME:
PONTE VERDRA BEACH
SITE NUMBER:
JAY3XC004
SITE ADDRESS:
5430 PALM VALLEY RD
PONTE VERDRA BEACH, FL 32082
SANT JUAN COUNTY

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No 72594
THOMAS K. FRANCE
JAY3XC004

NO DESCRIPTION	BY DATE
A PERMISSIVE ISSUE	JAF 06/25/12
B PERMANENT ISSUE	JAF 07/19/12
C FOR CONSTRUCTION	TT 07/24/12
1 ANTENNA REVISION	JRN 05/18/13
2 TOWER OWNER INFO	BRCH 08/13

DRAWN BY:	JAF
APPROVED BY:	TT
DATE DRAWN:	03/20/12
REVISION:	

SHEET TITLE:
ELECTRICAL DETAILS
SHEET NUMBER:
E3

SPRINT COAX CABLE COLOR CODING SCHEME				
SECTION	CABLE	FIRST RING	SECOND RING	THIRD RING
1 ALPHA	1	GREEN	NO TAPE	NO TAPE
	2	BLUE	NO TAPE	NO TAPE
	3	BROWN	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	GREY	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE
2 BETA	1	GREEN	NO TAPE	NO TAPE
	2	BROWN	NO TAPE	NO TAPE
	3	BLUE	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	GREY	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE
3 GAMMA	1	GREEN	NO TAPE	NO TAPE
	2	BROWN	NO TAPE	NO TAPE
	3	BLUE	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	GREY	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE
	1	GREEN	NO TAPE	NO TAPE
	2	BROWN	NO TAPE	NO TAPE
	3	BLUE	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	GREY	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE
	1	GREEN	NO TAPE	NO TAPE
	2	BROWN	NO TAPE	NO TAPE
	3	BLUE	NO TAPE	NO TAPE
	4	WHITE	NO TAPE	NO TAPE
	5	RED	NO TAPE	NO TAPE
	6	GREY	NO TAPE	NO TAPE
	7	PURPLE	NO TAPE	NO TAPE
	8	ORANGE	NO TAPE	NO TAPE

NOTE: THIS DETAIL IS PROVIDED BY OWNER AND REPRODUCED ON THIS SHEET AS REQUESTED BY OWNER

4 COAXIAL CABLE COLOR CODE

SCALE: N.T.S.

SPRINT REORDERING INDICATOR	SPRINT ID	CARRIER	HYBRID FIBER & DC ID COLOR	DC CABLE COLORS	DC CABLE
				● NSS	● NSS
800#1	YELLOW	CMMA	GREEN	GREEN / WHITE	BLACK / GRAY
1900#1	YELLOW	LTE	RED	RED / BLACK	BLACK / GRAY
1900#2	YELLOW	BROWN	CMMA	YELLOW	WHIT-BK & RED-BK LEADS
1900#3	YELLOW	BLUE	CMMA	BLUE	BLUE & ORANGE LEADS
1900#4	YELLOW	SLATE	LTE	WHITE	OR-BK & GR-BK LEADS
				BLACK FIBER SPINE	NO DC SPINE
					N/A

COLOR TAPE FROM H & S FOR IDENTIFICATION. INSTALL CORRECT SPRINT COLOR CODE DURING INSTALLATION.

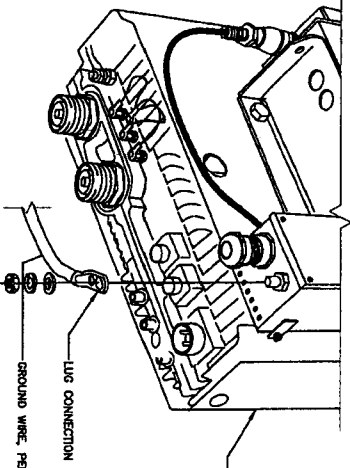
HYBRID CASE DC: 1 RED-GREEN/SECTION ALPHA 2 RED-GREEN/SECTION BETA 3 RED-GREEN/SECTION GAMMA 4 RED-GREEN/SECTION DELTA 5 RED-GREEN/SECTION DELTA 6 RED-GREEN/SECTION DELTA

ALPHA	BETA	GAMMA
RED	RED	RED
GREEN	GREEN	GREEN
RED	RED	RED
GREEN	GREEN	GREEN
RED	RED	RED
GREEN	GREEN	GREEN
RED	RED	RED
GREEN	GREEN	GREEN

2 SPRINT NV COLOR CODE FIBER HYBRID CABLE

SCALE: N.T.S.

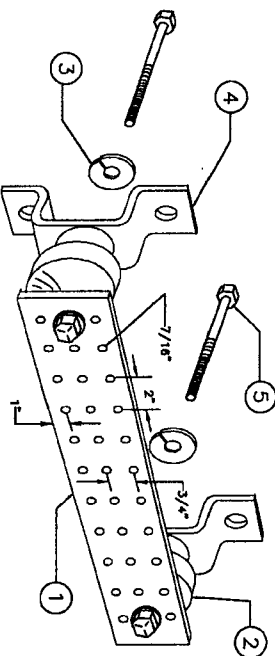
NOTE: THIS DETAIL IS PROVIDED BY OWNER AND REPRODUCED ON THIS SHEET AS REQUESTED BY OWNER



NOTE: GC SHALL REFERENCE SECTION B.3.2.2 OF THE EARLY GROUNDING THE RISKS 11" OF THE DISCUSSION RISK INSULATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.

3 RRU GROUNDING DETAIL

SCALE: N.T.S.



LEGEND

- 1) TINNED COPPER GROUND BAR, 3" x 4" x .012", NEWTON INSTRUMENT CO., HANGER T88114420A, OR EQUIVALENT.
- 2) INSULATORS, NEWTON INSTRUMENT CO. CAT. NO. 3081-4 OR HANGER EQUIVALENT.
- 3) 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUIVALENT.
- 4) WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-8056 OR HANGER EQUIVALENT.
- 5) 5/8-11 x 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR HANGER EQUIVALENT.

- NOTE:
- 1) ALL MOUNTING HARDWARE CAN ALSO BE USED ON 6", 12", 18", ETC. GROUND BARS.
 - 2) ENTIRE ASSEMBLY AVAILABLE FROM NEWTON INSTRUMENT CO. CAT. NO. 2100808010 OR AS HANGER T8814420A.

1 STANDARD GROUND BAR DETAIL

SCALE: N.T.S.

PREPARED FOR:

Sprint
 6301 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

ERICSSON

6100 SPRINT PARKWAY
 OVERLAND PARK, KS 66251

CONSULTANT:

CLSGROUP
 TELECOMMUNICATIONS
 608 S. KELLY AVENUE, STE. D
 EDMOND, OK 73013
 PH: (405) 248-5480
 FAX: (405) 241-4825

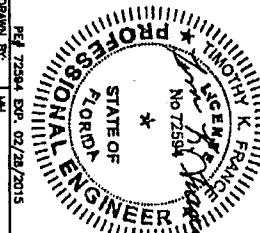
CON. 26525 EXP. 2/28/2015

SITE NAME:
PONTE VERRDRA BEACH

SITE NUMBER:
JAT73XC004

SITE ADDRESS:
 5430 PALM VALLEY RD
 PONTE VERRA BEACH, FL 32082
 SAINT JOHNS COUNTY

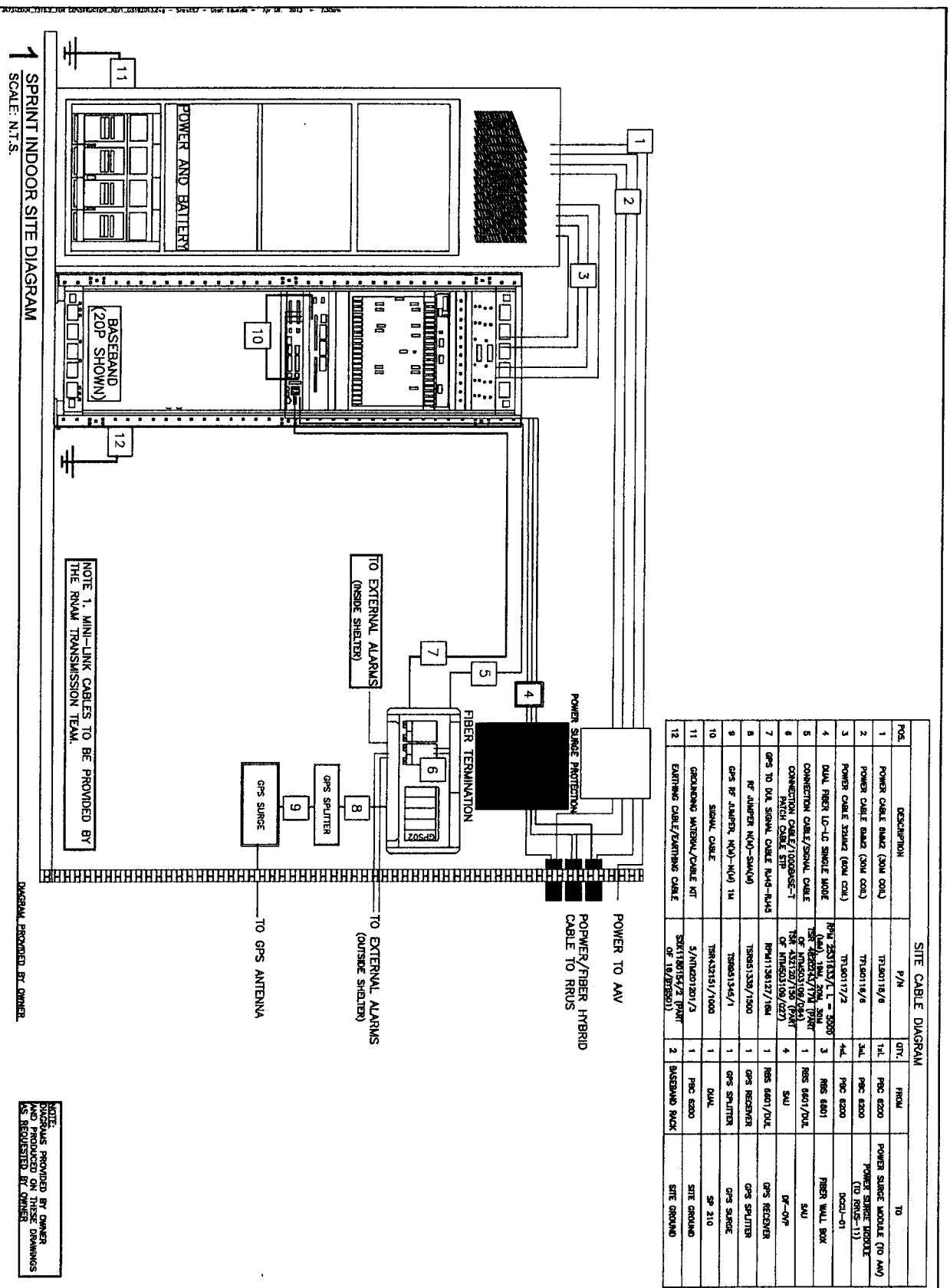
STAMP:



DATE DRAWN:	03/20/12
DATE CHECKED:	
NO. DESCRIPTION	REVISION
1	PRELIMINARY ISSUE
2	PRELIMINARY ISSUE
3	FOR CONSTRUCTION
4	ANTENNA PERSON
5	TOWER OWNER INFO

SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:
E6



POS.	DESCRIPTION	P/N	QTY.	FROM	TO
1	POWER CABLE BLAZ (30A COIL)	TR140119/6	1-L	PAC 6200	POWER SURGE MODULE (TO AV)
2	POWER CABLE BLAZ (30A COIL)	TR140119/6	2-L	PAC 6200	POWER SURGE MODULE (TO RUS-11)
3	POWER CABLE BLAZ (30A COIL)	TR140117/2	4-L	PAC 6200	DOCS-01
4	DUAL FIBER LO-LO SINGLE MODE	FRY 235183X/1 - 3000	3	RBS 6801	FIBER WALL BOX
5	CONNECTION CABLE/SIGNAL CABLE	TSR 262024/774 (PART OF INVENTORY)	1	RBS 6801/OUT	SAU
6	CONNECTION CABLE/SIGNAL CABLE	TSR 262024/774 (PART OF INVENTORY)	4	SAU	RF-OP
7	GPS TO DUAL SIGNAL CABLE R44-R45	PRM1130117/184	1	RBS 6801/OUT	GPS RECEIVER
8	RF JUMPER N(0)-S(M)(4)	TR8451339/1500	1	GPS RECEIVER	GPS SPLITTER
9	GPS RF JUMPER N(0)-N(0) 114	TR8451344/1	1	GPS SPLITTER	GPS SURGE
10	SIGNAL CABLE	TR8423151/1000	1	GPS SPLITTER	SP 210
11	GROUNDING WATERSH/CABLE KIT	5/AN1201201/3	1	PAC 6200	SITE GROUND
12	EARTHING CABLE/EARTHING CABLE	SRX118015/2 (PART OF INVENTORY) OR 19/878501	2	BASEBAND RACK	SITE GROUND

PREPARED FOR:

6391 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON

6100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CONSULTANT:

609 S. KELLY AVENUE, SITE D
EMOND, OK 73063
PH: (405) 346-5480
FAX: (405) 341-4625

COA 28525 EXP. 2/28/2015

SITE NAME:
PONTE VERDRA BEACH

SITE NUMBER:
JAT73XC004

SITE ADDRESS:
5450 PALM VALLEY RD
PONTE VERDA BEACH, FL 32082
SANT JUAN COUNTY

STATE:

NO. DESCRIPTION

1	PRELIMINARY ISSUE	14	06/29/12
2	FOR CONSTRUCTION	17	07/19/12
3	ANTENNA REVISION	18	07/24/12
4	OWNER OWNER INFO	19	08/13/12

DATE DRAWN: 03/20/12

DATE: 03/20/12

APPROVED BY: TIF

DESIGN BY: TIF

DATE: 03/20/12

REVISION:

NO. DESCRIPTION

1	PRELIMINARY ISSUE	14	06/29/12
2	FOR CONSTRUCTION	17	07/19/12
3	ANTENNA REVISION	18	07/24/12
4	OWNER OWNER INFO	19	08/13/12

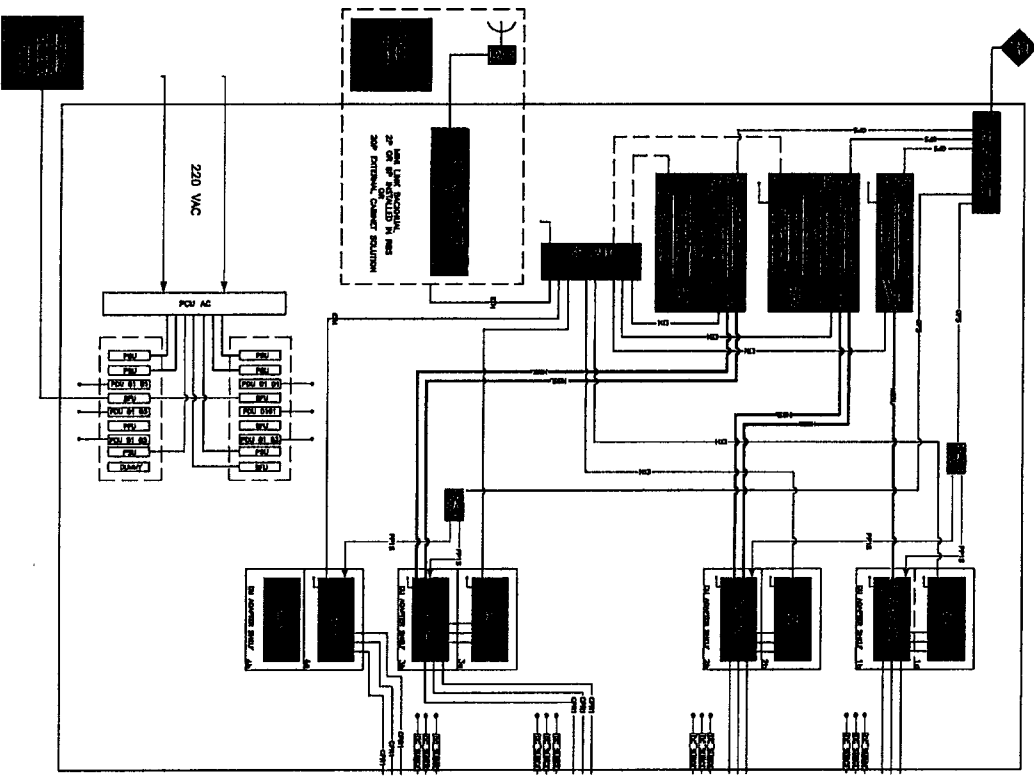
SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:
E7

NOTE: THIS DRAWING WAS PRODUCED BY OWNER AND PRODUCED ON THESE DRAWINGS AS REQUESTED BY OWNER.

1 SPRINT INDOOR INTRACONNECT DIAGRAM
SCALE: N.T.S.

DIAGRAM PROVIDED BY OWNER



PREPARED FOR:



6391 SPRINT PARKWAY
OVERLAND PARK, KS 66251

ERICSSON

6100 SPRINT PARKWAY
OVERLAND PARK, KS 66251

CONSULTANT:



809 S. KELLY AVENUE, STE. D
EDMOND, OK 73003
PH: (405) 348-3460
FAX: (405) 341-4825

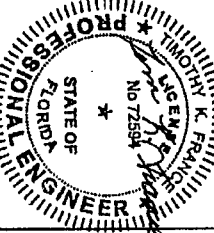
COA 26525 EXP. 2/26/2015

PONTE VERDRA BEACH

SITE NAME:
SITE NUMBER:
JAT73XC004

SITE ADDRESS:
5400 PALM VALLEY RD
PONTE VERDRA BEACH, FL 32082
SANTA JOHNS COUNTY

STAMP:



PE# 72584 EXP. 02/26/2015

DESIGNED BY: **ME**
DATE DRAWN: 03/20/12

NO.	DESCRIPTION	BY	DATE
A	PRELIMINARY ISSUE	JAM	06/25/12
B	PRELIMINARY ISSUE	MMH	07/19/12
0	FOR CONSTRUCTION	TT	07/24/12
1	ANTENNA REVISION	JPR	03/18/13
2	TOWER OWNER INFO	SAC	03/13/13

SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:
E8



Amendment
to Tower
Agreement
*Nextel South Corp
Equipment Change*



Land Management Systems
Real Estate Division
(904) 209-0796

2010 Aerial Imagery

0 300 600

Feet

April 15, 2013 j15736

Disclaimer:

This map is for reference use only.
Data provided are derived from multiple sources
with varying levels of accuracy. The St. Johns County
Real Estate Division disclaims all responsibility for the
accuracy or completeness of the data shown hereon.

