

Sprint
CD's

SECTION 01 100 - SCOPE OF WORK
 SHALL COMPLY WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND THE WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING:

PRELIMINARY WORK: THE CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

- A. CONTRACTOR SHALL NOTIFY SPINTECH CONSTRUCTION MANAGERS OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL SHOW AND TO PREPARE SPECIFICATIONS UNDER CONDITIONS, AND SUCH SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE WORK.
- B. CONTRACTOR SHALL NOTIFY SPINTECH CONSTRUCTION MANAGERS OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL SHOW AND TO PREPARE SPECIFICATIONS UNDER CONDITIONS, AND SUCH SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE WORK.
- C. CONTRACTOR SHALL NOTIFY SPINTECH CONSTRUCTION MANAGERS OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL SHOW AND TO PREPARE SPECIFICATIONS UNDER CONDITIONS, AND SUCH SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE WORK.

SECTION 01 200 - CONSTRUCTION MATERIALS AND EQUIPMENT
 CONTRACTOR IS RESPONSIBLE FOR OBTAINING MATERIALS AND EQUIPMENT TO COMPLETE THE WORK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING MATERIALS AND EQUIPMENT TO COMPLETE THE WORK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING MATERIALS AND EQUIPMENT TO COMPLETE THE WORK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING MATERIALS AND EQUIPMENT TO COMPLETE THE WORK.

SECTION 01 300 - CELL SITE CONSTRUCTION
 CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

SECTION 01 400 - SUBMITTALS & TESTS
 CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

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3. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

REMOTE ELECTRICAL TILT (REN) CABLES: ARE TO BE INSTALLED AS FOLLOWS:

1. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.
2. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.
3. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

SECTION 11 700 - ANTENNA ASSEMBLY, REMOTE RADIO UNITS AND CABLE INSTALLATION
 CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

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SECTION 11 800 - ANTENNA ASSEMBLY, REMOTE RADIO UNITS AND CABLE INSTALLATION
 CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK. CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOB SITE FROM COMMENCEMENT THROUGH COMPLETION OF THE WORK.

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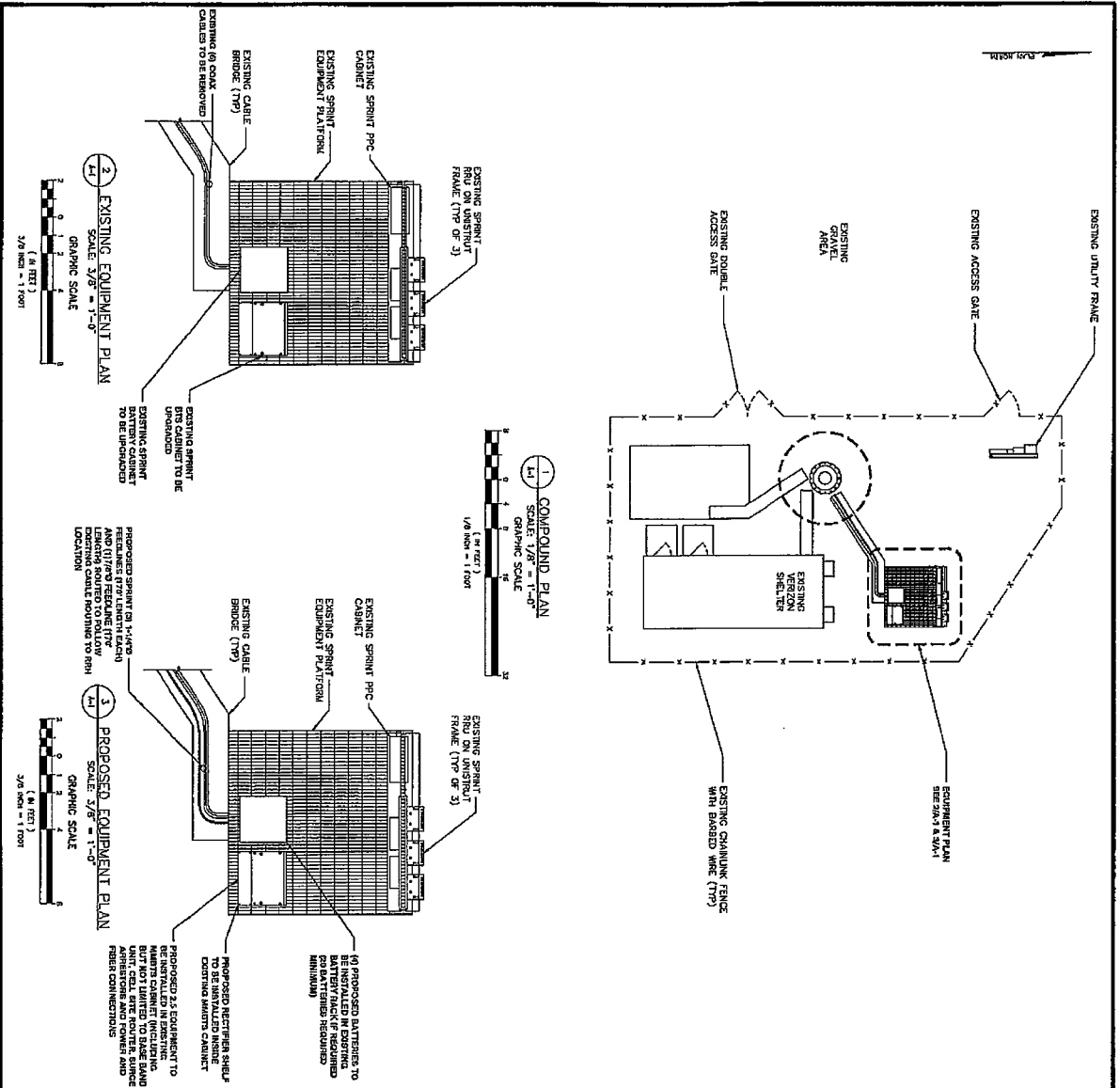


REV.	DATE	REVISION DESCRIPTION
1	11/27/11	ISSUED FOR PERMITS
2	12/15/11	ISSUED FOR PERMITS

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NY13/366 CAC
 AL43XC750
 1887 DRYDEN ROAD
 ITHACA, NY 14850
 TOMPKINS COUNTY

CONSTRUCTION SPECIFICATIONS
 SHEET SP-1
 DATE: 12/16/11
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT # 2454111



- SITE NOTES**
1. PROPERTY LINE RECOGNITION WAS PREPARED USING DEEDS, TAX MAPS, BOUNDARY SURVEY.
 2. THE PLANNING PREPARED THROUGHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO ALL DOCUMENTS AND RESTRICTIONS OF RECORD.
 3. THE HORIZONTAL DATA IN THIS DRAWING ARE IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83). THE VERTICAL DATA (ELEVATIONS) ARE IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 4. NO HOLE, SMOKE, DUST, OR OOR WILL RESULT FROM THIS FACILITY.
 5. THE FACILITY IS DESIGNED AND NOT FOR FLOOD HAZARD PROTECTION. THERE IS NO FLOOD HAZARD ACCESS REQUIRED.
 6. THE FACILITY IS DESIGNED AND DOES NOT REQUIRE PORTABLE WATER OR SEWER SERVICE.
 7. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE STREET SIGNS OR ANY OTHER TRAFFIC CONTROL DEVICES.
 8. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY OTHER TRAFFIC CONTROL DEVICES.
- GENERAL NOTES**
1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS, AND ALL APPLICABLE STATE, COUNTY AND LOCAL ORDINANCES, ALL APPLICABLE UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTING THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
 3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS IN THE BID PROJECT IN ACCORDANCE WITH THE OVERALL INTENT OF THESE DRAWINGS.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL EXISTING SITE IMPROVEMENTS TO ORIGINAL CONDITIONS AS A RESULT OF THE CONSTRUCTION OF THIS FACILITY.
 5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES.
 6. THE CONTRACTOR SHALL VERIFY THE PROBE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION WITHIN THE CONTRACT DOCUMENTS.
 7. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
 8. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH PERMITS FROM THE FACILITY.
 9. TRANSMITTER AND ANTENNA ARE DESIGNED TO MEET ANTENNA 22.04 REQUIREMENTS.
 10. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
 11. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
 12. IF ANY SPRING EXISTS BEHIND THE SITE AREA, CONTRACTOR MUST LOCATE IT AND CONTACT OWNERS REPRESENTATIVE.
 13. A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNERS AGENT TO VERIFY THAT THE EXISTING PROPOSED COMMUNICATION STRUCTURE AND ITS COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT THE EQUIPMENT ON ADDITION OF THE EXISTING STRUCTURE. THE OWNERS AGENT SHALL FURNISH A CERTIFICATION LETTER SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

STRUCTURAL NOTE

THE CONTRACTOR SHALL VERIFY THE ANALYSIS OF THE EXISTING STRUCTURE SHALL BE PREPARED TO INSTALLATION OF NEW ANTENNAS AND CABINETS.

CONTRACTOR TO VERIFY CONDITIONS OF THE EXISTING STRUCTURE PRIOR TO INSTALLATION. IF THE CONDITIONS ARE NOT SATISFACTORY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING STRUCTURE HAS DETERMINED. THE ENGINEER MUST BE NOTIFIED IMMEDIATELY.

COMPUND PLANS AND NOTES

NY13/366 CAC
AL43XC750
187 DRYDEN ROAD
ITHACA NY 14850
TOMPKINS COUNTY

DATE: 12/04/17 SCALE: AS NOTED
DRAWN BY: SHEET #:
CHECKED BY: P.A.T.
PROJECT # 2484178

REVISIONS

REV.	DATE	REVISION DESCRIPTION
1	02/27/18	ISSUE FOR PERMIT

NOTES:
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PETER J. LAURITZ, REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW YORK
LICENSE NO. 13000
1000 STATE STREET, SUITE 200
ITHACA, NY 14850
TEL: 607.877.1111

PRVA
FRENCH & PARIBELLO
REGISTERED PROFESSIONAL ENGINEERS
1000 STATE STREET, SUITE 200
ITHACA, NY 14850

Sprint
5890 Sprint Parkway
Oswego, NY 13625

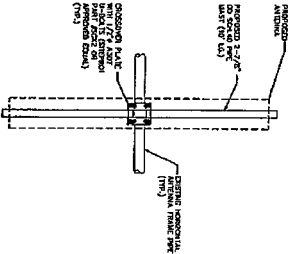
CROWN
CROWN CASTLE
1000 STATE STREET, SUITE 200
ITHACA, NY 14850

ANTENNA INFORMATION AND BILL OF MATERIALS

ITEM	SECTOR	DESCRIPTION	QTY	DIMENSIONS	PART/MODEL#	AZIMUTH	RAD CENTER
1		2.5 GHz ANTENNA	1	56.3"x12.6"x6.3"	RF5/APXY/TM14-AL-120	60°	80'-0"
2		2.5 GHz ANTENNA	1	82.6"x19.6"x8.5"	RF5/APXY/BB1L20X_43-C-120	60°	80'-0"
3	ALPHA	2.5 GHz RRH	1	25.4"x17.5"x5.7"	ALU RRRH8-20-25	N/A	80'-0"
4		1900 MHz RRH	1	25.1"x11.0"x11.4"	ALU PCS 1900MHz 4X45W-65MHz	N/A	80'-0"
5		800 MHz RRH	2	15.7"x13.0"x9.8"	ALU RRRH2X50-800	N/A	80'-0"
6		FILTER	1	15.2"x9.65"x8.5"	FM8800CCAB-A1D	N/A	80'-0"
7		2.5 GHz ANTENNA	1	56.3"x12.6"x6.3"	RF5/APXY/TM14-AL-120	270°	80'-0"
8		2.5 GHz ANTENNA	1	82.6"x19.6"x8.5"	RF5/APXY/BB1L20X_43-C-120	270°	80'-0"
9	BETA	2.5 GHz RRH	1	25.4"x17.5"x5.7"	ALU RRRH8-20-25	N/A	80'-0"
10		1900 MHz RRH	1	25.1"x11.0"x11.4"	ALU PCS 1900MHz 4X45W-65MHz	N/A	80'-0"
11		800 MHz RRH	2	15.7"x13.0"x9.8"	ALU RRRH2X50-800	N/A	80'-0"
12		FILTER	1	15.2"x9.65"x8.5"	FM8800CCAB-A1D	N/A	80'-0"
13		2.5 GHz ANTENNA	1	56.3"x12.6"x6.3"	RF5/APXY/TM14-AL-120	350°	80'-0"
14		2.5 GHz ANTENNA	1	82.6"x19.6"x8.5"	RF5/APXY/BB1L20X_43-C-120	350°	80'-0"
15	GAMMA	2.5 GHz RRH	1	25.4"x17.5"x5.7"	ALU RRRH8-20-25	N/A	80'-0"
16		1900 MHz RRH	1	25.1"x11.0"x11.4"	ALU PCS 1900MHz 4X45W-65MHz	N/A	80'-0"
17		800 MHz RRH	2	15.7"x13.0"x9.8"	ALU RRRH2X50-800	N/A	80'-0"
18		FILTER	1	15.2"x9.65"x8.5"	FM8800CCAB-A1D	N/A	80'-0"
19		FEEDLINE	3	130' (EACH)(1-1/4"Ø)	HB114-1-08U4-N5F	N/A	N/A
20		FEEDLINE	1	130' (7/8"Ø)	HB114-211EM12-XXXF	N/A	N/A



NOTES:
WEIGHT: 53.0 LBS
DIMENSIONS: FPMØ: 15.2"x9.65"x8.5"
1 FILTER DETAIL
NOT TO SCALE



NOTES:
WEIGHT: 2.5 LBS
DIMENSIONS: FPMØ: 1.75"x1.75"x1.75"
2 ANTENNA MOUNT
NOT TO SCALE



NOTES:
WEIGHT: 49 LBS
VOLUME: 49 LITERS
DIMENSIONS: FPMØ: 24.8"x12.9"x10.7"
3 800 MHz 2X50W RRH DETAIL
NOT TO SCALE



NOTES:
WEIGHT: 44 LBS
VOLUME: 44 LITERS
DIMENSIONS: FPMØ: 24.8"x12.9"x8.8"
4 1900 MHz 4X45W-65 RRH
NOT TO SCALE

SEAL: DATE: 12/15/2011

FRANCO FRENCH & PARRELLO ASSOCIATES

Sprint
6500 Sprint Parkway
Orland Park, IL 60457

CROWN
CROWNS CASTLE

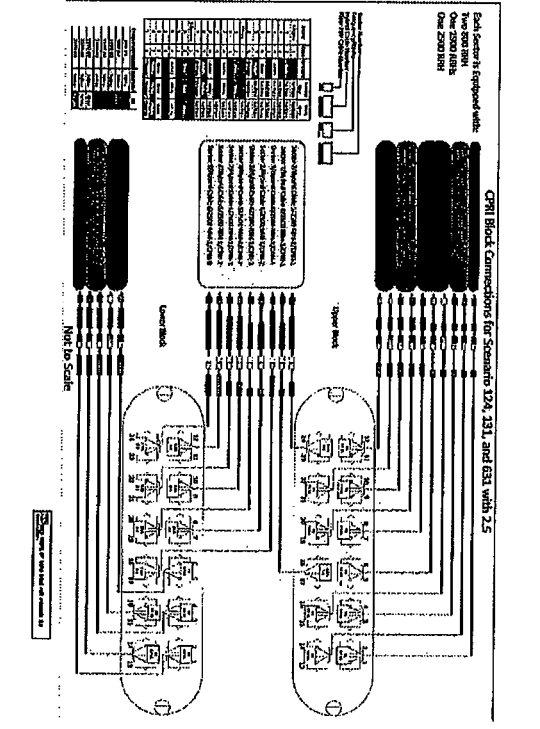
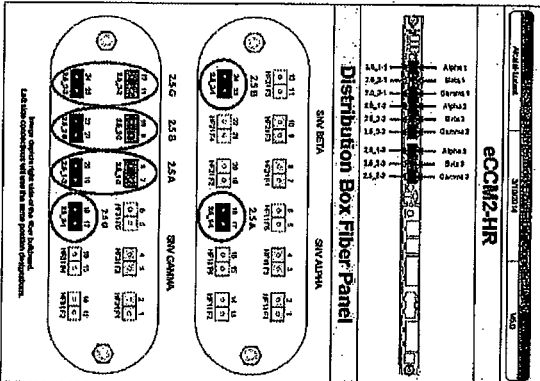
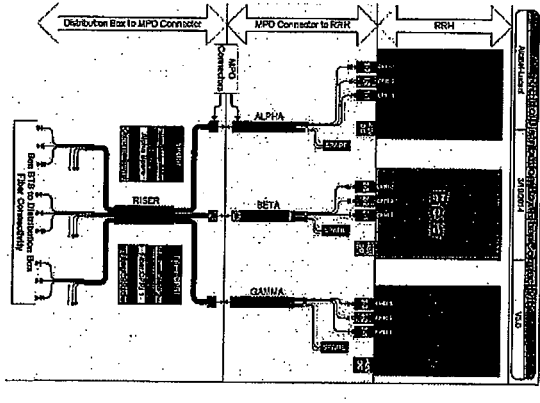
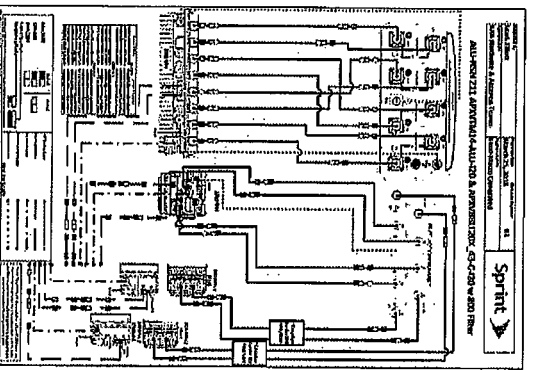
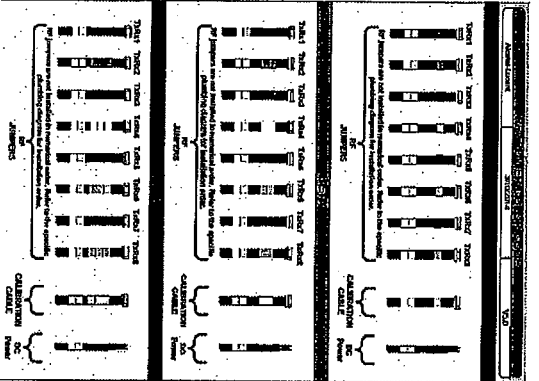
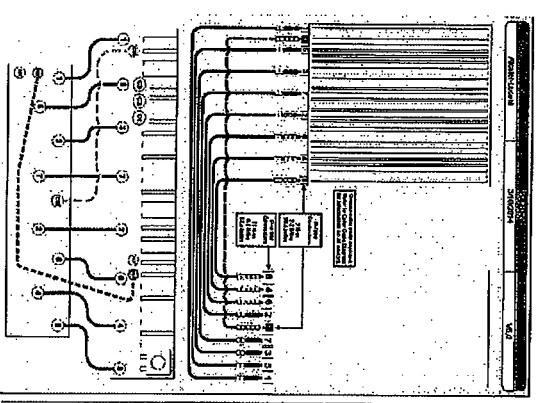
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NY13/366 CAC
AL43XC750
1987 DRYDEN ROAD
ITHACA, NY 14850
TOWPKINS COUNTY

CABINET DETAILS AND
ANTENNA SCHEDULE

DATE: 12/15/11 SCALE: AS NOTED
DRAWN BY: SHEET #:
CHECKED BY: PROJECT #:
PROJECT 1: NY13/366

A-4



NOTE: TERMINATE ALL UNUSED/UNUSED FIBER PAIRS ON THE LC DUPLEX ADAPTER PLATES.

6850 Sprint Parkway
Overland Park, KS 66221

CROWN CASTLE

FRANZ & BARFIELD
REGISTERED PROFESSIONAL ENGINEERS

PETER J. BARFIELD
LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
No. 100,000,000

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2	1/10/18	ISSUED FOR BIDDING

DATE: 1/10/18 **SCALE:** NOTED

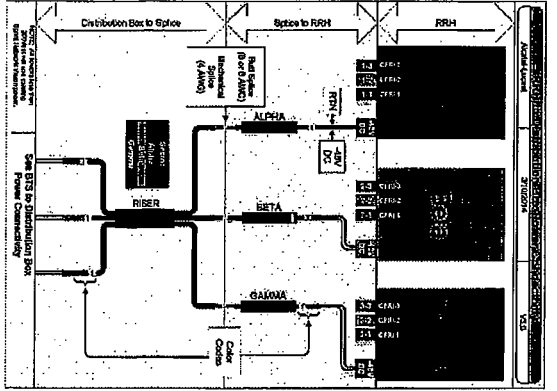
DRAWN BY: R.A. **SHEET #:**

CHECKED BY: P.A.T. **PROJECT #:** A-5

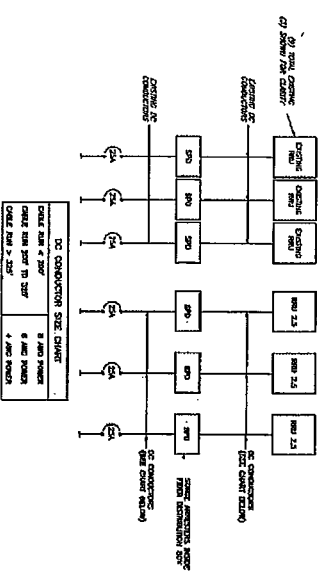
PROJECT #: 20180178

NTS/366 CAC
AL43XC750
1887 DRYDEN ROAD
ITHACA, NY 14850
TOMPKINS COUNTY

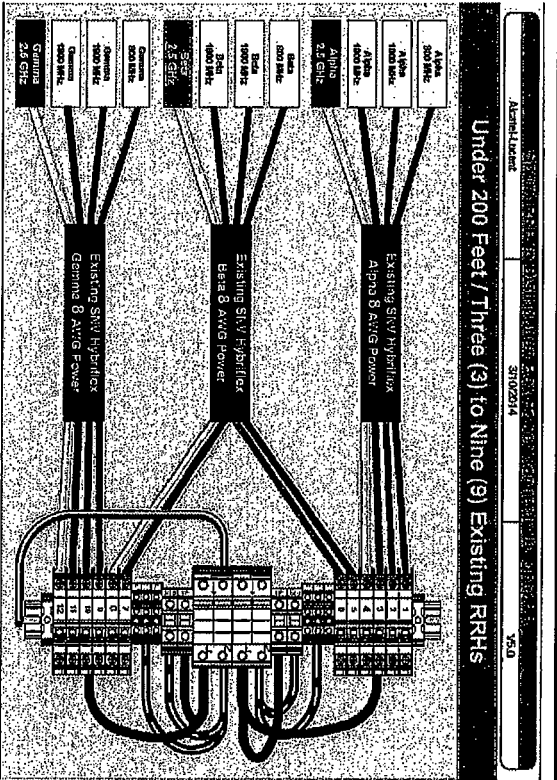
ANTENNA PLUMBING
DIAGRAMS



- NOTE:
1. CIRCUIT BREAKERS WITHIN THE SPRINT FIBER DISTRIBUTION BOX ARE 25 AMP.
 2. ALL CIRCUITS ARE SHARED BETWEEN RRU'S.
 3. ALL RISERS OPERATED WITH WIRE NUTS AND TAPS.
 4. WHEN COMPLETE, REMOVE ALL DEBRIS FROM INTERIOR OF DISTRIBUTION BOX.



2 DC ONE-LINE DIAGRAM
E-1 NOT TO SCALE

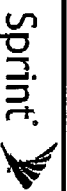


1 DC POWER CONNECTIVITY
E-1 NOT TO SCALE

Under 200 Feet / Three (3) to Nine (9) Existing RRs

3102214

5A9



6500 Sprint Parkway
Owensboro, KY 40251



STATE OF NEW YORK
JULY 15, 2014
REGISTERED PROFESSIONAL ENGINEER

REV.	DATE	REVISIONS
1	07/15/14	REVISION DESCRIPTION
2	07/15/14	REVISION DESCRIPTION

PETER A. LEAHY, P.E.
REGISTERED PROFESSIONAL ENGINEER
100 WEST 10TH STREET, SUITE 100
NEW YORK, NY 10011

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NY19/366 CAC
AL43XC750
1387 DRYDEN ROAD
ITHACA, NY 14850
TOMPKINS COUNTY

ELECTRICAL ONE-LINE
DIAGRAM AND DETAILS

DATE	BY	SCALE
07/15/14	AS NOTED	
07/15/14	AS NOTED	
07/15/14	AS NOTED	
07/15/14	AS NOTED	

PROJECT # 1484111

E-1

