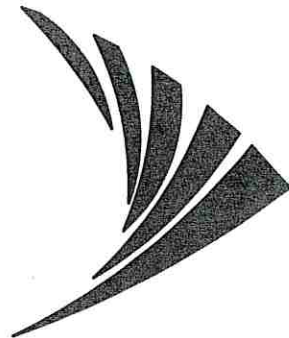


LEGAL DESCRIPTION:
A TRACT OF LAND IN THE SOUTHEAST QUARTER OF SECTION 35, TOWNSHIP 48,
RANGE 32, IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, KNOWN AS GERBER
HEIGHTS, ACCORDING TO THE RECORDED PLAT THEREOF.
7.419 ACRES
323171.64 SQUARE FEET

AND ALSO AN INGRESS-EGRESS EASEMENT DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID
SECTION 35; THENCE SOUTH 86° 35' 26" EAST, ALONG THE NORTH LINE OF SAID
SOUTHEAST QUARTER SECTION, A DISTANCE OF 535.33 FEET; THENCE SOUTH 4°
53' 50" WEST, PERPENDICULAR TO THE LAST DESCRIBED COURSE A DISTANCE OF
21.30 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF INTERSTATE 470,
AS IT PRESENTLY EXISTS. AID POINT BEING THE POINT OF BEGINNING; THENCE
SOUTH 24° 32' 23" EAST, ALONG THE WESTERLY LINE OF SAID GERBER HEIGHTS,
A DISTANCE OF 34.56 FEET; THENCE NORTH 85° 06' 10" WEST, PARALLEL WITH
AND 30.00 SOUTH OF THE NORTH LINE OF SAID RIGHT OF WAY, A DISTANCE OF
300.00 FEET; THENCE SOUTH 23° 15' 02" WEST, A DISTANCE OF 709.03 FEET
(MEAS.) 708.76 FEET (DEED) TO A POINT IN THE PRESENTLY EXISTS OF CLIFFORD
ROAD (A.K.A. LOWENSTEN DRIVE, S IT PRESENTLY EXISTS; THENCE NORTH 71° 41'
43" WEST, A DISTANCE OF 110.98 FEET; THENCE NORTH 31° 23' 25" EAST, A
DISTANCE OF 725.50 FEET TO A POINT ON THE SOUTH RIGHT OF WAY LINE OF
SAID INTERSTATE NO. 470; THENCE SOUTH 85° 06' 10" EAST, ALONG SAID RIGHT
OF WAY LINE, A DISTANCE OF 359.10 FEET TO THE POINT OF BEGINNING, EXCEPT
THAT PART IN ROADWAY RIGHT OF WAY

Sprint



PROJECT:

CO-LOCATION

SITE NAME:

ATC#36075 LOWENSTEIN

SITE CASCADE:

KC25XC198



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED FOR:

Pyramid Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: MLO MICHAEL L. OWENS E-29058 DISCIPLINE: STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21581 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
ISSUED FOR REVIEW	DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION		11/30/17	HEE	A
REVISED PER CITY COMMENTS		12/07/17	DCP	0
		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
TITLE SHEET

DWG INFORMATION:
DRAWN BY: HEE
CHECKED BY: DCP
SHEET NUMBER:
T-1



JURISDICTION COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN
ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING
CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.
NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT
WORK NOT CONFORMING TO THESE CODES.

1. INTERNATIONAL BUILDING CODE
2. INTERNATIONAL MECHANICAL CODE
3. ANSI/TIA-222 STRUCTURAL STANDARD
4. NFPA 780 - LIGHTNING PROTECTION CODE
5. UNIFORM PLUMBING CODE
6. NATIONAL ELECTRICAL CODE



Know what's below.
Call before you dig.
www.call811.com

THE UTILITIES AS SHOWN ON THIS SET OF DRAWINGS WERE
DEVELOPED FROM THE INFORMATION AVAILABLE. THE INFORMATION
PROVIDED IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE
INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S
RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES
(WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM
ANY DAMAGE CAUSED BY CONTRACTOR'S ACTIVITIES.

APPROVALS

SIGNER	SIGNATURE	DATE
SPRINT CONSTRUCTION MANAGER		
SPRINT OPERATIONS MANAGER		
SPRINT RF ENGINEER		
LANDLORD		

SITE INFORMATION

SITE ADDRESS: 2200 LOWENSTEIN
LEES SUMMIT, MISSOURI 64081

COUNTY: JACKSON

POWER COMPANY: KCPL

AAV PROVIDER: TBD

PROPERTY OWNER: AMERICAN TOWER CORPORATION
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116
APPLICATION DATE: 10/18/17

STRUCTURE INFORMATION:

LATITUDE: 38° 55' 59.66"N (NAD 83)
38.93324°

LONGITUDE: 94° 25' 3.29"W (NAD 83)
-94.41758°

GROUND ELEVATION: 981'

STRUCTURE HEIGHT: 479'-0" AGL

STRUCTURE TYPE: GUYED TOWER

ANTENNA CENTERLINE: 180'-0" AGL

APPLICANT: SPRINT
6580 SPRINT PARKWAY
OVERLAND PARK, KS 66251

SPRINT CM: RAY LOPEZ
PHONE: (816) 651-9569
ray.lopez@sprint.com

SITE ACQUISITION: PYRAMID NETWORK SERVICES LLC
JOE COYLE
PHONE: (816) 560-5035

A&E: SSC, INC.
BUTCH DOUGHERTY
PHONE: (913) 938-7700

PROJECT INFORMATION

- INSTALL (1) EQUIPMENT PLATFORM
- INSTALL (1) DO E-CABINET & (1) DO I-CABINET
- INSTALL (1) 200A PPC
- INSTALL (3) ANTENNA FRAMES
- INSTALL (6) PANEL ANTENNAS
- INSTALL (9) RRU'S
- INSTALL (42) JUMPERS

DRAWING INDEX

SHEET No.	SHEET TITLE	REV	DISC
T-1	TITLE SHEET	1	SC/E
SP-1	SPECIFICATIONS	1	SC/E
SP-2	SPECIFICATIONS	1	SC/E
RF-1	RF DATA SHEET	1	SC
RF-2	RF DATA SHEET	1	SC
	SURVEY (BY OTHERS)		
A-1	OVERALL SITE PLAN	1	SC
A-2	EQUIPMENT PLAN	1	SC
A-3	EQUIPMENT ELEVATIONS & CABLE PLAN	1	SC
A-4	ANTENNA LAYOUT & MOUNTING DETAILS	1	SC
A-5.1	RFDS DATA SHEET & EQUIPMENT INFORMATION	1	SC
A-5.2	RFDS PLUMBING DIAGRAM	1	SC
A-5.3	FEEDLINE COLOR CODING	1	SC
A-6	EQUIPMENT DETAILS	1	SC
A-7	EQUIPMENT DETAILS	1	SC
A-8.1	PURCELL EQUIPMENT DETAILS	1	SC
A-8.2	PURCELL EQUIPMENT DETAILS	1	SC
A-9	ANTENNA DETAILS	1	SC
A-10	RRU DETAILS	1	SC
E-1	OVERALL UTILITY PLAN	1	E
E-2	ENLARGED UTILITY PLAN	1	E
E-3	GROUNDING PLAN	1	E
E-4	ELECTRICAL DETAILS & TOWER TOP GROUNDING PLAN	1	E
E-5	ELECTRICAL DETAILS	1	E
E-6	ELECTRICAL DETAILS	1	E
E-7	PURCELL A/C POWER DISTRIBUTION	1	E
E-8	CIRCUIT SCHEDULE	1	E
E-9	WORK LIGHT SPECIFICATIONS	1	E

CONSULTING TEAM

ENGINEERING: SSC, INC.
9900 WEST 109TH STREET, SUITE 300
OVERLAND PARK, KANSAS 66210
PHONE: (913) 438-7700
FAX: (913) 438-7777

H.F. DOUGHERTY - PROJECT MANAGER

M.L. OWENS - LEAD ENGINEER

S.D. KEISLING - LEAD ELECTRICAL

H.E. ERICACAE - LEAD DESIGNER

THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT CONSTRUCTION STANDARDS FOR WIRELESS SITES, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS, DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

SECTION 01 100 – SCOPE OF WORK

THE WORK:
SHALL COMPLY WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF.

PRECEDENCE:
SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE.

SITE FAMILIARITY:
CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.

ON-SITE SUPERVISION:
THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE:
THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.

- DETAILS ARE INTENDED TO SHOW DESIGN INTENT. PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
- MARK THE FIELD SET OF DRAWINGS IN RED, DOCUMENTING ANY CHANGES FROM THE CONSTRUCTION DOCUMENTS.

METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION:
CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN

- COAX COLOR CODING SWEEPS AND FIBER TESTING TS-0200 AND EL-0568
- CABLE LABELING EN-2012-00
- APPLICABLE INSTALLATION MOPS IDENTIFIED ELSEWHERE IN THE CONTRACT DOCUMENTS

SECTION 01 200 – COMPANY FURNISHED MATERIAL AND EQUIPMENT

COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DRAWINGS.

CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT TO ENSURE IT IS PROTECTED AND HANDLED PROPERLY THROUGHOUT THE CONSTRUCTION DURATION.

CONTRACTOR RESPONSIBLE FOR RECEIPT OF SPRINT FURNISHED EQUIPMENT AT CELL SITE OR CONTRACTORS LOCATION. CONTRACTOR TO COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.

SECTION 01 300 – CELL SITE CONSTRUCTION

NOTICE TO PROCEED:
NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF WORK ORDER.

SITE CLEANLINESS:
CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.

SECTION 01 400 – SUBMITTALS & TESTS

ALTERNATES:
AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINTS CONSTRUCTION MANAGER FOR APPROVAL. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED.

TESTS AND INSPECTIONS:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
- CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
 - AGL, AZIMUTH AND DOWNTILT PROVIDE AN AUTOMATED REPORT UPLOADED TO SPRINT VISION USING A COMMERCIAL MADE-FOR THE PURPOSE ELECTRONIC ANTENNA ALIGNMENT TOOL (AAT). INSTALLED AZIMUTH, CENTERLINE AND DOWNTILT MUST CONFORM WITH RF CONFIGURATION DATA

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
 - ALL TESTING REQUIRED BY APPLICABLE INSTALLATION MOPS.
- C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
- AZIMUTH, DOWNTILT, AGL FROM SUNSIGHT INSTRUMENTS – ANTENNA ALIGNMENT TOOL (AAT)
 - SWEEP AND FIBER TESTS
 - SCALABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
 - ALL AVAILABLE JURISDICTIONAL PERMIT AND OCCUPANCY INFORMATION
 - PDF SCAN OF REDLINES PRODUCED IN FIELD
 - A PDF SCAN OF REDLINE MARK-UPS SUITABLE FOR USE IN ELECTRONIC AS-BUILT DRAWING PRODUCTION
 - LIEN WAIVERS
 - FINAL PAYMENT APPLICATION
 - REQUIRED FINAL CONSTRUCTION PHOTOS
 - CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
 - APPLICABLE POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SPRINT VISION (SPRINTS DOCUMENT REPOSITORY OF RECORD).
 - CLOSEOUT PHOTOGRAPHS AND CLOSEOUT CHECKLIST: SPRINT WILL PROVIDE SEPARATE GUIDANCE

SECTION 11 700 – ANTENNA ASSEMBLY, REMOTE RADIO UNITS AND CABLE INSTALLATION

SUMMARY:
THIS SECTION SPECIFIES INSTALLATION OF ANTENNAS, RRU'S, AND CABLE EQUIPMENT, INSTALLATION, AND TESTING OF COAXIAL FIBER CABLE.

ANTENNAS AND RRU'S:
THE NUMBER AND TYPE OF ANTENNAS AND RRU'S TO BE INSTALLED IS DETAILED ON THE CONSTRUCTION DRAWINGS.

HYBRID CABLE:
HYBRID CABLE WILL BE DC/FIBER AND FURNISHED FOR INSTALLATION AT EACH SITE. CABLE SHALL BE INSTALLED PER THE CONSTRUCTION DRAWINGS AND THE APPLICABLE MANUFACTURER'S REQUIREMENTS.

JUMPERS AND CONNECTORS:
FURNISH AND INSTALL 1/2" COAX JUMPER CABLES BETWEEN THE RRU'S AND ANTENNAS. JUMPERS SHALL BE TYPE LDF 4, FLC 12-50, CR 540, OR FXL 540. SUPER-FLEX CABLES ARE NOT ACCEPTABLE. JUMPERS BETWEEN THE RRU'S AND ANTENNAS OR TOWER TOP AMPLIFIERS SHALL CONSIST OF 1/2 INCH FOAM DIELECTRIC, OUTDOOR RATED COAXIAL CABLE, MIN LENGTH FOR JUMPER SHALL BE 10"-0".

REMOTE ELECTRICAL TILT (RET) CABLES

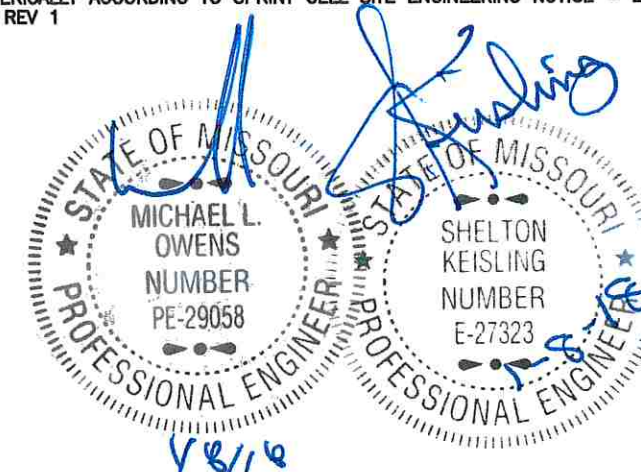
MISCELLANEOUS:
INSTALL SPLITTERS, COMBINERS, FILTERS PER RF DATA SHEET, FURNISHED BY SPRINT.

ANTENNA INSTALLATION:
THE CONTRACTOR SHALL ASSEMBLE ALL ANTENNAS ONSITE IN ACCORDANCE WITH THE INSTRUCTIONS SUPPLIED BY THE MANUFACTURER. ANTENNA HEIGHT, AZIMUTH, AND FEED ORIENTATION INFORMATION SHALL BE A DESIGNATED ON THE CONSTRUCTION DRAWINGS.

- THE CONTRACTOR SHALL POSITION THE ANTENNA ON TOWER PIPE MOUNTS SO THAT THE BOTTOM STRUT IS LEVEL. THE PIPE MOUNTS SHALL BE PLUMB TO WITHIN 1 DEGREE.
- ANTENNA MOUNTING REQUIREMENTS: PROVIDE ANTENNA MOUNTING HARDWARE AS INDICATED ON THE DRAWINGS.

HYBRID CABLE INSTALLATION:

- THE CONTRACTOR SHALL ROUTE, TEST, AND INSTALL ALL CABLES AS INDICATED ON THE CONSTRUCTION DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- THE INSTALLED RADIUS OF THE CABLES SHALL NOT BE LESS THAN THE MANUFACTURER'S SPECIFICATIONS FOR BENDING RADII.
- EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE CABLES DURING HANDLING AND INSTALLATION.
 - FASTENING MAIN HYBRID CABLES: ALL CABLES SHALL BE INSTALLED INSIDE MONOPOLE WITH CABLE SUPPORT GRIPS AS REQUIRED BY THE MANUFACTURER.
 - FASTENING INDIVIDUAL FIBER AND DC CABLES ABOVE BREAKOUT ENCLOSURE (MEDUSA), WITHIN THE MMBS CABINET AND ANY INTERMEDIATE DISTRIBUTION BOXES:
 - FIBER: SUPPORT FIBER BUNDLES USING 1/2" VELCRO STRAPS OF THE REQUIRED LENGTH @ 18" OC. STRAPS SHALL BE UV, OIL AND WATER RESISTANT AND SUITABLE FOR INDUSTRIAL INSTALLATIONS AS MANUFACTURED BY TEXTOL OR APPROVED EQUAL.
 - DC: SUPPORT DC BUNDLES WITH ZIP TIES OF THE ADEQUATE LENGTH. ZIP TIES TO BE UV STABILIZED, BLACK NYLON, WITH TENSILE STRENGTH AT 12,000 PSI AS MANUFACTURED BY NELCO PRODUCTS OR EQUAL.
 - FASTENING JUMPERS: SECURE JUMPERS TO THE SIDE ARMS OR HEAD FRAMES USING STAINLESS STEEL TIE WRAPS OR STAINLESS STEEL BUTTERFLY CLIPS.
- CABLE INSTALLATION:
 - INSPECT CABLE PRIOR TO USE FOR SHIPPING DAMAGE, NOTIFY THE CONSTRUCTION MANAGER.
 - CABLE ROUTING: CABLE INSTALLATION SHALL BE PLANNED TO ENSURE THAT THE LINES WILL BE PROPERLY ROUTED IN THE CABLE ENVELOP AS INDICATED ON THE DRAWINGS. AVOID TWISTING AND CROSSEOVERS.
 - HOIST CABLE USING PROPER HOISTING GRIPS. DO NOT EXCEED MANUFACTURES RECOMMENDED MAXIMUM BEND RADIUS.
- GROUNDING OF TRANSMISSION LINES: ALL TRANSMISSION LINES SHALL BE GROUNDED AS INDICATED ON DRAWINGS.
- HYBRID CABLE COLOR CODING: ALL COLOR CODING SHALL BE AS REQUIRED IN TS 0200 REV 4.
- HYBRID CABLE LABELING: INDIVIDUAL HYBRID AND DC BUNDLES SHALL BE LABELED ALPHA-NUMERICALLY ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE – EN 2012-001, REV 1



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER	PE#	DISCIPLINE
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

SPECIFICATIONS

DWG INFORMATION:	SHEET NUMBER:
DRAWN BY: HEE	SP-1
CHECKED BY: DCP	

CONTINUE FROM SP-1

WEATHERPROOFING EXTERIOR CONNECTORS AND HYBRID CABLE GROUND KITS:

- A. ALL FIBER & COAX CONNECTORS AND GROUND KITS SHALL BE WEATHERPROOFED.
- B. ALL INSTALLATIONS MUST BE DONE IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDATIONS AND INDUSTRY BEST PRACTICES.
- C. THE PREFERRED METHOD FOR WEATHERPROOFING IS THE 3M SLIM LOCK CLOSURE 716, OR SPRINT APPROVED EQUAL S SUCH AS PRODUCTS BY AMPHENOL AND JMA.
- D. IN LIMITED QUANTITY AS NEED THE FOLLOWING METHODS OF WEATHER PROOFING MAY ALSO BE USED.
1. COLD SHRINK: ENCOMPASS CONNECTOR IN COLD SHRINK TUBING AND PROVIDE A DOUBLE WRAP OF 2" ELECTRICAL TAPE EXTENDING 2" BEYOND TUBING. PROVIDE 3M COLD SHRINK CXS SERIES OR EQUAL.
2. SELF-AMALGAMATING TAPE: CLEAN SURFACES. APPLY A DOUBLE WRAP OF SELF-AMALGAMATING TAPE 2" BEYOND CONNECTOR. APPLY A SECOND WRAP OF SELF-AMALGAMATING TAPE IN OPPOSITE DIRECTION. APPLY DOUBLE WRAP OF 2" WIDE ELECTRICAL TAPE EXTENDING 2" BEYOND THE SELF-AMALGAMATING TAPE.
3. OPEN FLAME ON JOB SITE IS NOT ACCEPTABLE

SECTION 11 800 - INSTALLATION OF MULTIMODAL BASE STATIONS (MMBS) AND RELATED EQUIPMENT

SUMMARY:

- A. THIS SECTION SPECIFIES MMBS CABINETS, POWER CABINETS, AND INTERNAL EQUIPMENT INCLUDING BY NOT LIMITED TO RECTIFIERS, POWER DISTRIBUTION UNITS, BASE BAND UNITS, SURGE ARRESTORS, BATTERIES, AND SIMILAR EQUIPMENT FURNISHED BY THE COMPANY FOR INSTALLATION BY THE CONTRACTOR (OFCI).
- B. CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS MATERIALS AND PROVIDE ALL LABOR REQUIRED FOR INSTALLATION EQUIPMENT IN EXISTING CABINET OR NEW CABINET AS SHOWN ON DRAWINGS AND AS REQUIRE BY THE APPLICABLE INSTALLATION MOPS.
- C. COMPLY WITH MANUFACTURERS INSTALLATION AND START-UP REQUIREMENTS

DC CIRCUIT BREAKER LABELING

- A. NEW DC CIRCUIT IS REQUIRED IN MMBS CABINET SHALL BE CLEARLY IDENTIFIED AS TO RRU BEING SERVICED

SECTION 26 100 - BASIC ELECTRICAL REQUIREMENTS

SUMMARY:
THIS SECTION SPECIFIES BASIC ELECTRICAL REQUIREMENTS FOR SYSTEMS AND COMPONENTS.

QUALITY ASSURANCE:

- A. ALL EQUIPMENT FURNISHED UNDER DIVISION 26 SHALL CARRY UL LABELS AND LISTINGS WHERE SUCH LABELS AND LISTINGS ARE AVAILABLE IN THE INDUSTRY.
- B. MANUFACTURERS OF EQUIPMENT SHALL HAVE A MINIMUM OF THREE YEARS EXPERIENCE WITH THEIR EQUIPMENT INSTALLED AND OPERATING IN THE FIELD IN A USE SIMILAR TO THE PROPOSED USE FOR THIS PROJECT.
- C. MATERIALS AND EQUIPMENT: ALL MATERIALS AND EQUIPMENT SPECIFIED IN DIVISION 26 OF THE SAME TYPE SHALL BE OF THE SAME MANUFACTURER AND SHALL BE NEW, OF THE BEST QUALITY AND DESIGN, AND FREE FROM DEFECTS

SUPPORTING DEVICES:

- A. ALL EQUIPMENT FURNISHED UNDER DIVISION 26 SHALL CARRY UL LABELS AND LISTINGS WHERE SUCH LABELS AND LISTINGS ARE AVAILABLE IN THE INDUSTRY.
- B. MANUFACTURERS OF EQUIPMENT SHALL HAVE A MINIMUM OF THREE YEARS EXPERIENCE WITH THEIR EQUIPMENT INSTALLED AND OPERATING IN THE FIELD IN A USE SIMILAR TO THE PROPOSED USE FOR THIS PROJECT.
- C. MATERIALS AND EQUIPMENT: ALL MATERIALS AND EQUIPMENT SPECIFIED IN DIVISION 26 OF THE SAME TYPE SHALL BE OF THE SAME MANUFACTURER AND SHALL BE NEW, OF THE BEST QUALITY AND DESIGN, AND FREE FROM DEFECTS

SUPPORTING DEVICES:

- A. MANUFACTURED STRUCTURAL SUPPORT MATERIALS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING:
1. ALLIED TUBE AND CONDUIT
2. B-LINE SYSTEM
3. SUNISTRUT DIVERSIFIED PRODUCTS
4. THOMAS & BETTS
- B. FASTENERS: TYPES, MATERIALS, AND CONSTRUCTION FEATURES AS FOLLOWS:
1. EXPANSION ANCHORS: CARBON STEEL WEDGE OR SLEEVE TYPE.
2. POWER-DRIVEN THREADED STUDS: HEAT-TREATED STEEL, DESIGNED SPECIFICALLY FOR THE INTENDED SERVICE.
3. FASTEN BY MEANS OF WOOD SCREWS ON WOOD.
4. TOGGLE BOLTS ON HOLLOW MASONRY UNITS.
5. CONCRETE INSERTS OR EXPANSION BOLTS ON CONCRETE OR SOLID MASONRY.
6. MACHINE SCREWS, WELDED THREADED STUDS, OR SPRING-TENSION CLAMPS ON STEEL.
7. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE SHALL NOT BE PERMITTED.
8. DO NOT WELD CONDUIT, PIPE STRAPS, OR ITEMS OTHER THAN THREADED STUDS TO STEEL STRUCTURES.
9. IN PARTITIONS OF LIGHT STEEL CONSTRUCTION, USE SHEET METAL SCREWS.

SUPPORTING DEVICES:

- A. INSTALL SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY IN ACCORDANCE WITH NEC.
- B. COORDINATE WITH THE BUILDING STRUCTURAL SYSTEM AND WITH OTHER TRADES.
- C. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTING HARDWARE SECURELY TO THE STRUCTURE IN ACCORDANCE WITH THE FOLLOWING:
- D. ENSURE THAT THE LOAD APPLIED BY ANY FASTENER DOES NOT EXCEED 25 PERCENT OF THE PROOF TEST LOAD.
- E. USE VIBRATION AND SHOCK-RESISTANT FASTENERS FOR ATTACHMENTS TO CONCRETE SLABS.

ELECTRICAL IDENTIFICATION:

- A. UPDATE AND PROVIDE TYPED CIRCUIT BREAKER SCHEDULES IN THE MOUNTING BRACKET, INSIDE DOORS OF AC PANEL BOARDS WITH ANY CHANGES MADE TO THE AC SYSTEM.
- B. BRANCH CIRCUITS FEEDING AVIATION OBSTRUCTION LIGHTING EQUIPMENT SHALL BE CLEARLY IDENTIFIED AS SUCH AT THE BRANCH CIRCUIT PANELBOARD.

SECTION 26 200 - ELECTRICAL MATERIALS AND EQUIPMENT

CONDUIT:

- A. RIGID GALVANIZED STEEL (RGS) CONDUIT SHALL BE USED FOR EXTERIOR LOCATIONS ABOVE GROUND AND IN UNFINISHED INTERIOR LOCATIONS AND FOR ENCASED RUNS IN CONCRETE. RIGID CONDUIT AND FITTINGS SHALL BE STEEL, COATED WITH ZINC EXTERIOR AND INTERIOR BY THE HOT DIP GALVANIZING PROCESS. CONDUIT SHALL BE PRODUCED TO ANSI SPECIFICATIONS C80.1, FEDERAL SPECIFICATION WW-C-581 AND SHALL BE LISTED WITH THE UNDERWRITERS' LABORATORIES. FITTINGS SHALL BE THREADED - SET SCREW OR COMPRESSION FITTINGS WILL NOT BE ACCEPTABLE. RGS CONDUITS SHALL BE MANUFACTURED BY ALLIED, REPUBLIC OR WHEATLAND.
- B. UNDERGROUND CONDUIT IN CONCRETE SHALL BE POLYVINYLCHLORIDE (PVC) SUITABLE FOR DIRECT BURIAL AS APPLICABLE. JOINTS SHALL BE BELLED, AND FLUSH SOLVENT WELDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONDUIT SHALL BE CARLON ELECTRICAL PRODUCTS OR APPROVED EQUAL.
- C. TRANSITIONS BETWEEN PVC AND RIGID (RGS) SHALL BE MADE WITH PVC COATED METALLIC LONG SWEEP RADIUS ELBOWS.
- D. EMT OR RIGID GALVANIZED STEEL CONDUIT MAY BE USED IN FINISHED SPACES CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE MILD STEEL, ELECTRICALLY WELDED, ELECTRO-GALVANIZED OR HOT-DIPPED GALVANIZED AND PRODUCED TO ANSI SPECIFICATION C80.3, FEDERAL SPECIFICATION WW-C-563, AND SHALL BE UL LISTED. EMT SHALL BE MANUFACTURED BY ALLIED, REPUBLIC OR WHEATLAND, OR APPROVED EQUAL. FITTINGS SHALL BE METALLIC COMPRESSION. SET SCREW CONNECTIONS SHALL NOT BE ACCEPTABLE.
- E. LIQUID TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR FINAL CONNECTION TO EQUIPMENT. FITTINGS SHALL BE METALLIC GLAND TYPE COMPRESSION FITTINGS, MAINTAINING THE INTEGRITY OF CONDUIT SYSTEM. SET SCREW CONNECTIONS SHALL NOT BE ACCEPTABLE. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL NOT EXCEED 6- FEET. LFMC SHALL BE PROTECTED AND SUPPORTED AS REQUIRE BY NEC. MANUFACTURERS OF FLEXIBLE CONDUITS SHALL BE CAROL, ANACONDA METAL HOSE OR UNIVERSAL METAL HOSE, OR APPROVED EQUAL.
- F. MINIMUM SIZE CONDUIT SHALL BE 3/4 INCH (21MM).

HUBS AND BOXES:

- A. AT ENTRANCES TO CABINETS OR OTHER EQUIPMENT NOT HAVING INTEGRAL THREADED HUBS PROVIDE METALLIC THREADED HUBS OF THE SIZE AND CONFIGURATION REQUIRED. HUB SHALL INCLUDE LOCKNUT AND NEOPRENE O-RING SEAL. PROVIDE IMPACT RESISTANT 105 DEGREE C PLASTIC BUSHINGS TO PROTECT CABLE INSULATION.
- B. CABLE TERMINATION FITTINGS FOR CONDUIT
1. CABLE TERMINATORS FOR RGS CONDUITS SHALL BE TYPE CRC BY O-Z/GEDNEY OR EQUAL BY ROX TEC.
2. CABLE TERMINATORS FOR LFMC SHALL BE ETCO - CL2075; OR MADE FOR THE PURPOSE PRODUCTS BY ROXTEC.
- C. EXTERIOR PULL BOXES AND PULL BOXES IN INTERIOR INDUSTRIAL AREAS SHALL BE PLATED CAST ALLOY, HEAVY DUTY, WEATHERPROOF, DUST PROOF, WITH GASKET, PLATED IRON ALLOY COVER AND STAINLESS STEEL COVER SCREWS, CROUSE-HINDS WAB SERIES OR EQUAL.
- D. CONDUIT OUTLET BODIES SHALL BE PLATED CAST ALLOY WITH SIMILAR GASKETED COVERS. OUTLET BODIES SHALL BE OF THE CONFIGURATION AND SIZE SUITABLE FOR THE APPLICATION. PROVIDE CROUSE-HINDS FORM 8 OR EQUAL.
- E. MANUFACTURER FOR BOXES AND COVERS SHALL BE HOFFMAN, SQUARE "D", CROUSE-HINDS, COOPER, ADALET, APPLETON, O-Z GEDNEY, RACO, OR APPROVED EQUAL.

SUPPLEMENTAL GROUNDING SYSTEM

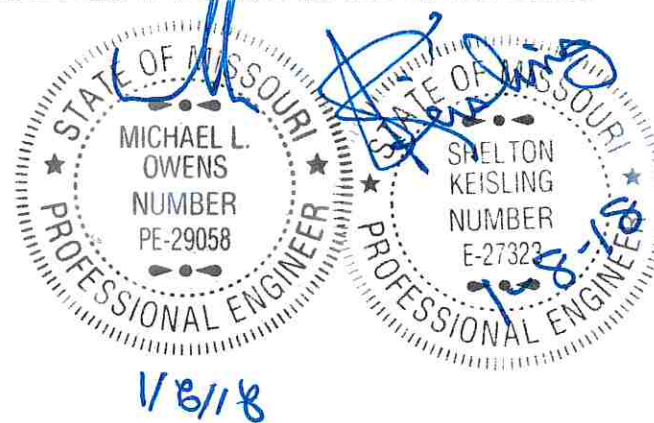
- A. FURNISH AND INSTALL A SUPPLEMENTAL GROUNDING SYSTEM TO THE EXTENT INDICATED ON THE DRAWINGS. SUPPORT SYSTEM WITH NON-MAGNETIC STAINLESS STEEL CLIPS WITH RUBBER GROMMETS. GROUNDING CONNECTORS SHALL BE TINNED COPPER WIRE, SIZES AS INDICATED ON THE DRAWINGS. PROVIDE STRANDED OR SOLID BARE OR INSULATED CONDUCTORS EXCEPTED AS OTHERWISE NOTED.
- B. SUPPLEMENTAL GROUNDING SYSTEM: ALL CONNECTIONS TO BE MADE WITH CAD WELDS, EXCEPT AT EQUIPMENT USE LUGS OR OTHER AVAILABLE GROUNDING MEANS AS REQUIRED BY MANUFACTURER; AT GROUND BARS USE TWO HOLE SPADES WITH NO OX.
- C. STOLEN GROUND-BARS: IN THE EVENT OF STOLEN GROUND BARS, CONTACT SPRINT CM FOR REPLACEMENT INSTRUCTION USING THREADED ROD KITS.

EXISTING STRUCTURE:

- A. EXISTING EXPOSED WIRING AND ALL EXPOSED OUTLETS, RECEPTACLES, SWITCHES, DEVICES, BOXES, AND OTHER EQUIPMENT THAT ARE NOT TO BE UTILIZED IN THE COMPLETED PROJECT SHALL BE REMOVED OR DE-ENERGIZED AND CAPPED IN THE WALL, CEILING, OR FLOOR SO THAT THEY ARE CONCEALED AND SAFE. WALL, CEILING, OR FLOOR SHALL BE PATCHED TO MATCH THE ADJACENT CONSTRUCTION.

CONDUIT AND CONDUCTOR INSTALLATION:

- A. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- B. CONDUCTORS SHALL BE PULLED IN ACCORDANCE WITH ACCEPTED GOOD PRACTICE.



SITE OWNER:

AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER	PE#	DISCIPLINE
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SKK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

SPECIFICATIONS

DWG INFORMATION:	SHEET NUMBER:
DRAWN BY: HEE	SP-2
CHECKED BY: DCP	

[illegible]

Brand: 7300	Alpha	Beta	Gamma	Delta	Epsilon	Zeta
Radio Model 1						
Model Number	RURUS 82	RURUS 82	RURUS 82	N/A	N/A	N/A
Weight (lbs)	62.1	62.1	62.1	N/A	N/A	N/A
Dimensions	23.81 x 15 x 6.97	23.81 x 15 x 6.97	23.81 x 15 x 6.97	N/A	N/A	N/A
Manufacturer	ERIC	ERIC	ERIC	N/A	N/A	N/A
Number of RPLUs needed	1	1	0	0	0	0
RPLU to Filter Jumper MakoModel						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
RPLU to Filter Jumper (lb)	0	0	0	0	0	0
RPLU to Splitter/Trippler or Jumper MakoModel						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
RPLU to Splitter/Trippler or Jumper (lb)	0	0	0	0	0	0
Filter Model 1						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Filter Model 2						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Filter Model 3						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Trunk Cable 1						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A

Report Date: 05/03/2017
Page 2 of 4

Brand: 1900		Alpha	Beta	Gamma	Delta	Epsilon	Zeta
Model Model							
Model Number	RRUS 31	RRUS 31	RRUS 31	NA	NA	NA	NA
Weight (lbs)	50.5	50.5	50.5	NA	NA	NA	NA
Dimensions	20.5 x 11.8 x 10.5	20.5 x 11.8 x 10.5	20.5 x 11.8 x 10.5	NA	NA	NA	NA
Manufacturer	ERIC	ERIC	ERIC	NA	NA	NA	NA
Number of RRUs needed	1	1	0	0	0	0	0
RRU to FBar Jumper Model Model							
Model Number	NA	NA	NA	NA	NA	NA	NA
Weight (lbs)	NA	NA	NA	NA	NA	NA	NA
Dimensions	NA	NA	NA	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA	NA	NA	NA
RRU to FBar Jumper Qty	0	0	0	0	0	0	0
RRU to Splitter/Jumper Jumper Model Model							
Model Number	NA	NA	NA	NA	NA	NA	NA
Weight (lbs)	NA	NA	NA	NA	NA	NA	NA
Dimensions	NA	NA	NA	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA	NA	NA	NA
RRU to Splitter/Jumper Jumper Qty	0	0	0	0	0	0	0
FBar Model							
Model Number	NA	NA	NA	NA	NA	NA	NA
Weight (lbs)	NA	NA	NA	NA	NA	NA	NA
Dimensions	NA	NA	NA	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA	NA	NA	NA
FBar Model 2							
Model Number	NA	NA	NA	NA	NA	NA	NA
Weight (lbs)	NA	NA	NA	NA	NA	NA	NA
Dimensions	NA	NA	NA	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA	NA	NA	NA
FBar Model 3							
Model Number	NA	NA	NA	NA	NA	NA	NA
Weight (lbs)	NA	NA	NA	NA	NA	NA	NA
Dimensions	NA	NA	NA	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA	NA	NA	NA
Trunk Cable 1							
Model Number	1900 Hybrid ERIC	1900 Hybrid ERIC	1900 Hybrid ERIC	NA	NA	NA	NA
Weight (lbs)	4.4	4.4	4.4	NA	NA	NA	NA
Dimensions	1.4	1.4	1.4	NA	NA	NA	NA
Manufacturer	ERIC	ERIC	ERIC	NA	NA	NA	NA

Report Date: 05/03/2017
Page 2 of 4

Band: 800	Alpha	Beta	Gamma	Delta	Epsilon	Zeta
Radio Model						
Model Number	RRU11	RRU11	RRU11	N/A	N/A	N/A
Weight (lb)	50.7	50.7	50.7	N/A	N/A	N/A
Dimensions	18.03 x 16.97 x 7.18	18.03 x 16.97 x 7.18	18.03 x 16.97 x 7.18	N/A	N/A	N/A
Manufacturer	Ericc	Ericc	N/A	N/A	N/A	N/A
Number of EURLs supported	1	1	1	0	0	0
RRU to Fiber Jumper Network Model						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
RRU to Fiber Jumper Qty	0	0	0	0	0	0
RRU to Spectrum Analyzer Jumper Network Model						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
RRU to Spectrum Analyzer Jumper Qty	0	0	0	0	0	0
Fiber Model						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Fiber Model 2						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Fiber Model 3						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Trunk Cable 1						
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lb)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A

Report Date: 05/03/2017
Page 2 of 4

Band: 2000	Alpha	Beta	Gamma	Delta	Epsilon	Zeta
Trunk Cable 2						
Trunk Cable 2 Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Trunk Cable 3						
Trunk Cable 3 Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Bottom Jumper MahabModel						
Bottom Jumper Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Bottom Jumper Qty	0	0	0	0	0	0
Main line Coax MahabModel						
Main line Coax Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Main line Coax Qty	0	0	0	0	0	0
Power Junction Cyclico Model						
Power Junction Cyclico Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A
Power Junction Cyclico Qty	0	0	0	0	0	0
Optical Junction Cyclico Qty needed						
Optical Junction Cyclico Qty	N/A	N/A	N/A	N/A	N/A	N/A
Model Number	N/A	N/A	N/A	N/A	N/A	N/A
Weight (lbs)	N/A	N/A	N/A	N/A	N/A	N/A
Dimensions (in)	N/A	N/A	N/A	N/A	N/A	N/A
Manufacturer	N/A	N/A	N/A	N/A	N/A	N/A

Report Date: 05/03/2017



1/8/18

APPLICANT: -

Sprint 

PYRAMID
Network Services, LLC



9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

STATE OF <u>MISSOURI</u>			
STATE CERTIFICATE OF AUTHORIZATION # EF-2791			
ENGINEER:	PE#:	DISCIPLINE:	
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL	SC
KV KEVIN VANMAELE	E-21551	STRUCTURAL/CIVIL	SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL	SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL	E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL	E

THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REVIEWED BY	STATUS
ISSUED FOR REVIEW	11/30/17	HCE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER: _____
LEE S SUMMIT #1B
36075

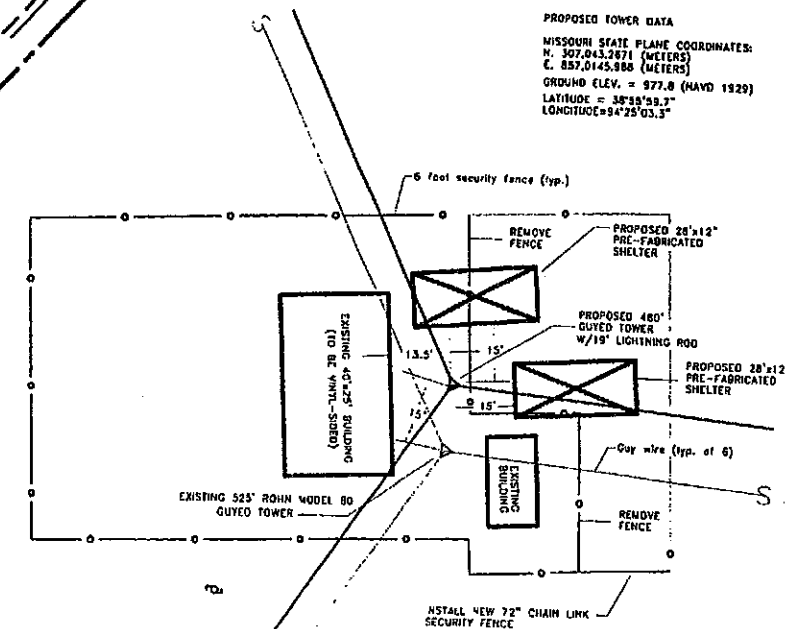
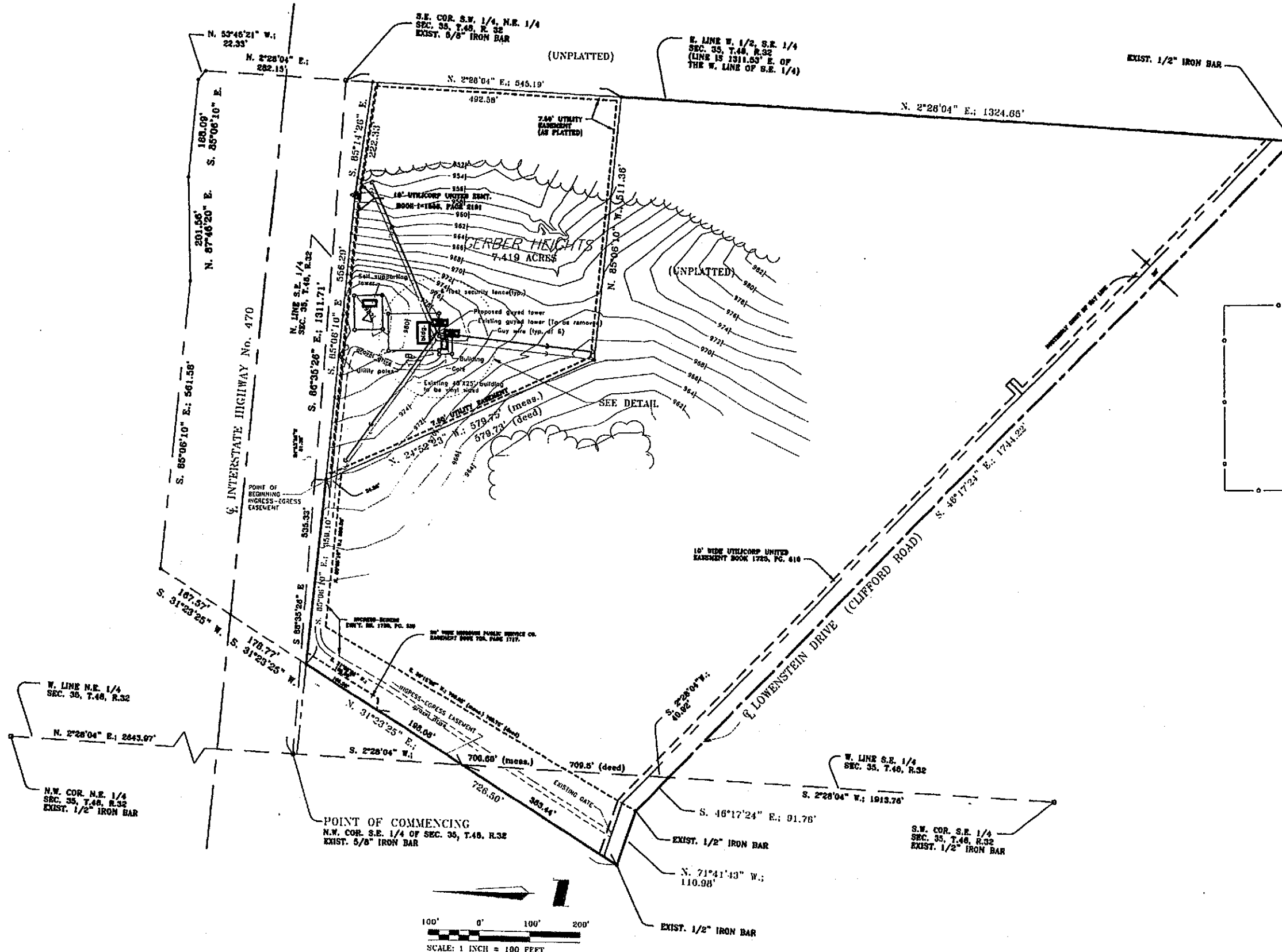
APPLICANT SITE NAME & SITE CASCADE:-
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS: 2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION: _____

RF DATA SHEET

DWG INFORMATION:		SHEET NUMBER: —
DRAWN BY:	HEE	RF-1
CHECKED BY:	DDP	



DETAIL
SCALE: 1 INCH = 20 FEET

DESCRIPTION:

A tract of land in the Southeast Quarter of Section 35, Township 48, Range 32, in Lee's Summit, Jackson County, Missouri, known as GERBER HEIGHTS, according to the recorded plat thereof.

AND ALSO an ingress-egress easement described as follows:

COMMENCING at the Northwest corner of the Southeast Quarter of said Section 35; thence South 66°35'26" East, along the North line of said Southeast Quarter Section, a distance of 335.33 feet; thence South 4°33'50" West, perpendicular to the last described course, a distance of 21.30 feet to a point on the North right of way line of Interstate No. 470, as it presently exists, said point being the POINT OF BEGINNING; thence South 24°52'23" East, along the Westerly line of said GERBER HEIGHTS, a distance of 34.58 feet; thence North 85°06'10" West, parallel with, and 30.00 South of the North line of said right of way, a distance of 300.00 feet; thence South 28°15'02" West, a distance of 709.03 feet (meas.) 708.76 feet (deed) to a point in the centerline of Clifford Road (a.k.a. Lowenstein Drive, as it presently exists; thence North 71°41'43" West, a distance of 110.98 feet; thence North 31°23'23" East, a distance of 726.50 feet to a point on the South right of way line of said Interstate No. 470; thence South 85°06'10" East, along said right of way line, a distance of 359.10 feet to the POINT OF BEGINNING, except that part in roadway right of way.

PREPARED BY: SIERRA SURVEY CO.
716 N.W. O'BRIEN RD.
LEE'S SUMMIT, MO 64063
(816) 554-0106 FAX 554-8879

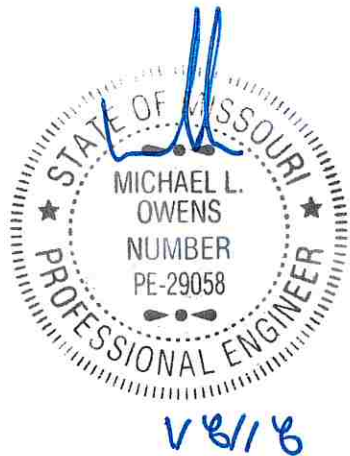
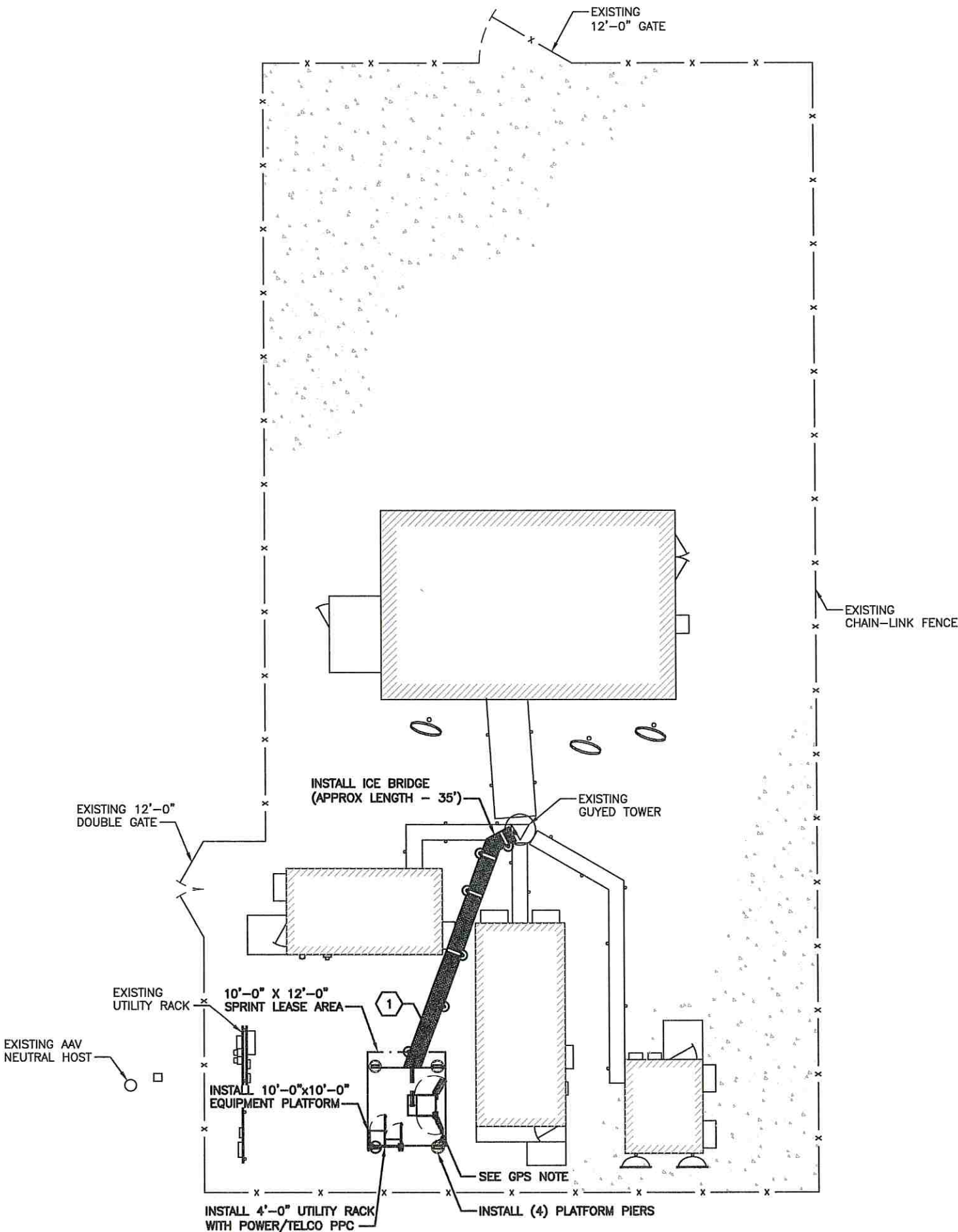
PLOT PLAN		
Communications Tower Site Lee's Summit, Jackson County, Missouri		
Prepared For: AMERICAN TOWER		
DATE: JULY 2000	PROJECT NO: 2000-49	SHEET:
DRAWN: PERC	CHECKED: PERC	OF 1

GPS NOTE:

CONTRACTOR TO INSTALL GPS ANTENNA ON AN ICE BRIDGE POST ONLY IF THE GPS ANTENNA CANNOT BE INSTALLED ON THE E-CAB IN A MANNER TO ENSURE CLEAR SKY TO THE SOUTH IS VISIBLE.

KEYED NOTES:

- 1 ROUTE (3) NV HYBRID CABLES ALONG UNDERSIDE OF EQUIPMENT PLATFORM TO ICE BRIDGE TO ANTENNA CENTERLINE. SECURE AS REQUIRED.



SITE OWNER:
AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251
Sprint

PLANS PREPARED FOR:
PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE# DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21581 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

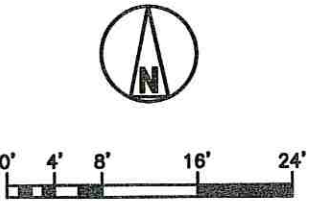
APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
OVERALL
SITE PLAN

DWG INFORMATION: SHEET NUMBER:
DRAWN BY: HEE
CHECKED BY: DCP
A-1

OVERALL SITE PLAN



1/8" = 1'-0"

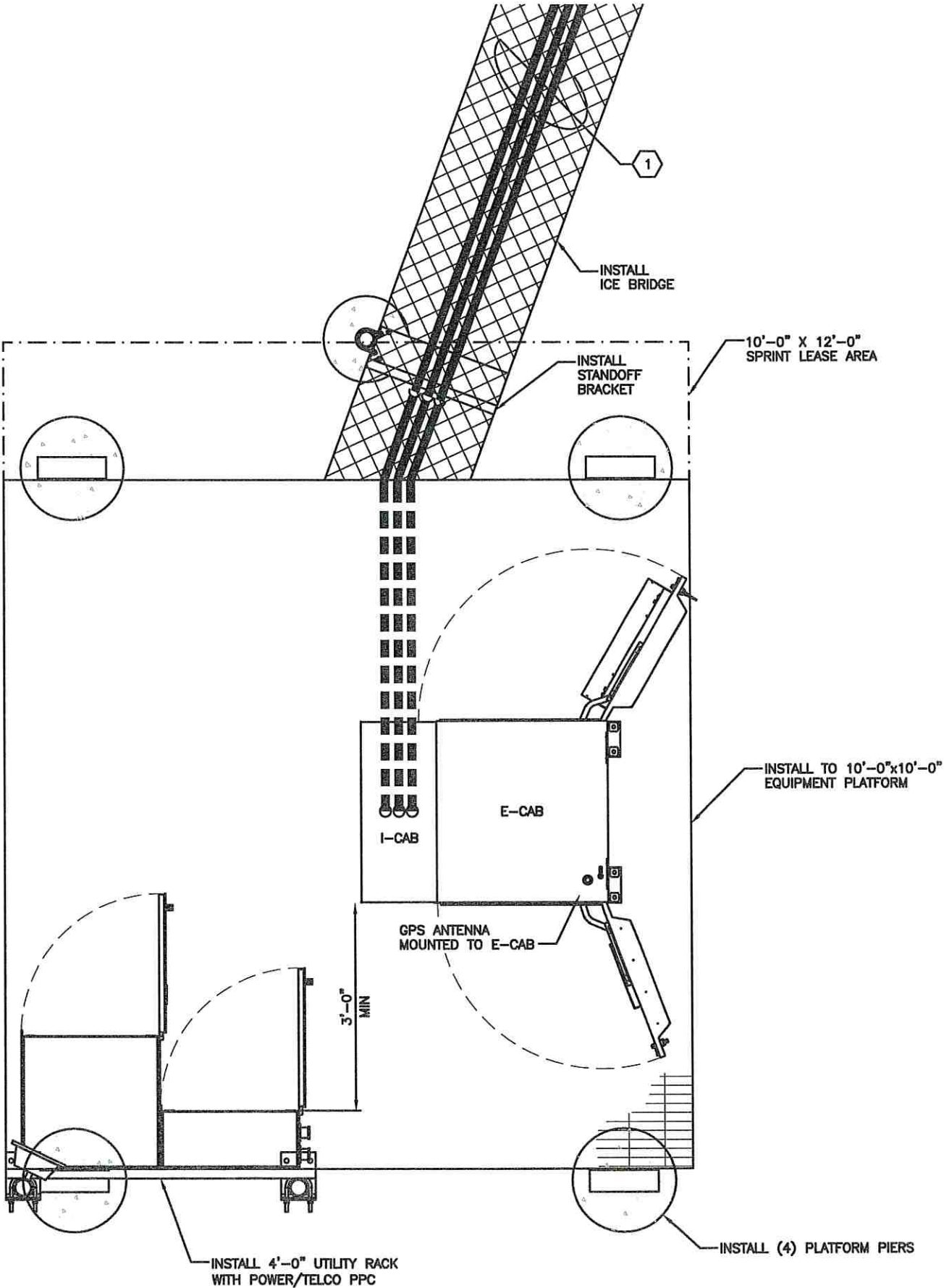
1

CONDUIT NOTE:

SEE SHEET E-1 FOR CONDUIT ROUTING

KEYED NOTES:

- 1 ROUTE (3) NV HYBRID CABLES ALONG UNDERSIDE OF EQUIPMENT PLATFORM TO ICE BRIDGE TO ANTENNA CENTERLINE. SECURE AS REQUIRED.



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

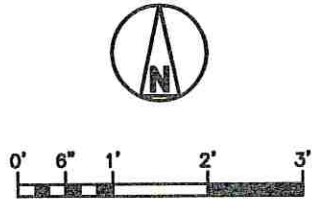
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

EQUIPMENT PLAN

DWG INFORMATION:	SHEET NUMBER:
DRAWN BY: HEE	A-2
CHECKED BY: DCP	

EQUIPMENT PLAN

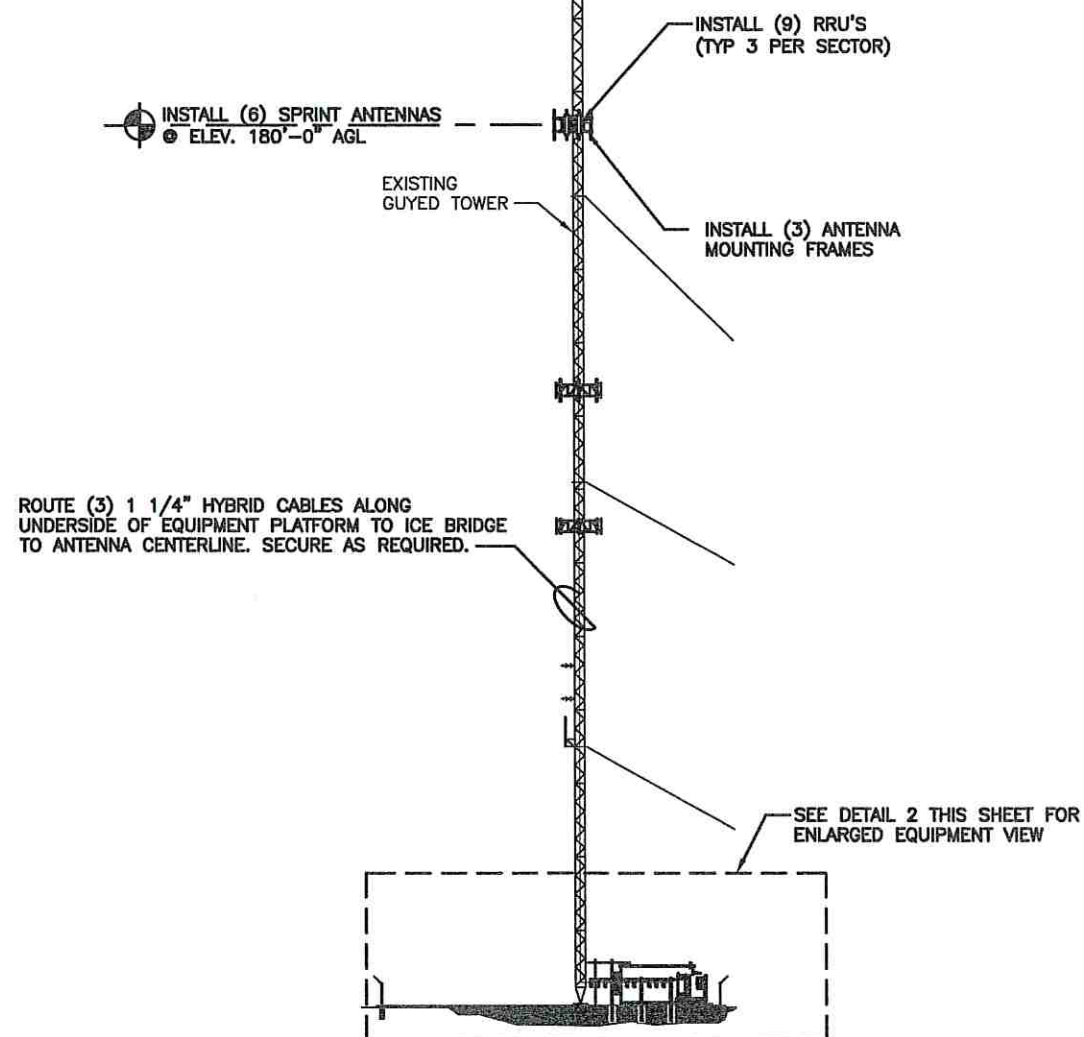


1" = 1'-0"

1

STRUCTURE INFORMATION IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. STRUCTURAL INTEGRITY OF SUPPORTING STRUCTURES, ANTENNA MOUNTS, AND FOUNDATION SHALL BE VERIFIED AS ACCEPTABLE BY AN ENGINEER CERTIFIED STRUCTURAL ANALYSIS, UTILIZING THE NEW LOADING REPRESENTED WITHIN THESE DRAWINGS PRIOR TO THE EXECUTION OF EQUIPMENT CHANGES CONTAINED IN THESE DRAWINGS. CONTRACTOR SHALL OBTAIN ALL STRUCTURAL REPORTS AND FOLLOW ALL RECOMMENDATIONS.

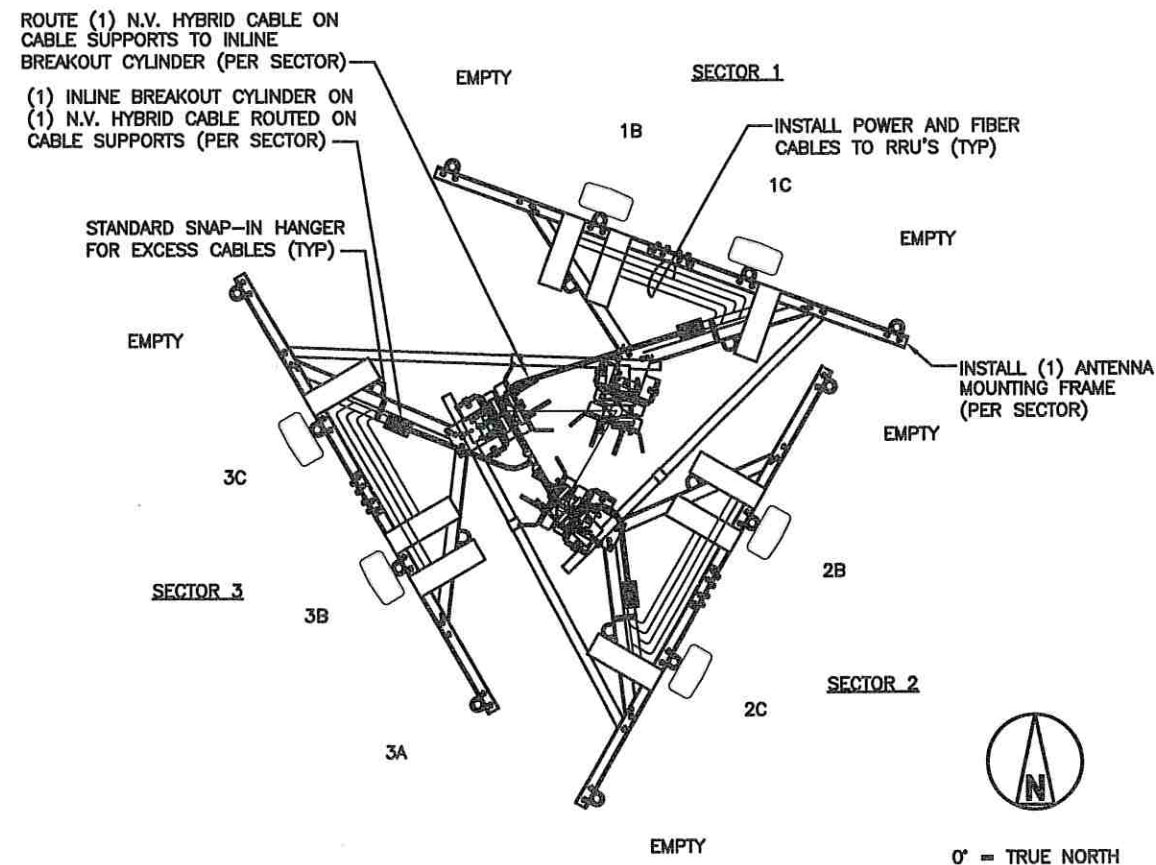
STRUCTURAL ANALYSIS HAS BEEN PERFORMED BY AMERICAN TOWER CORP BY CLS GROUP DATED 10/24/17



SITE ELEVATION

NO SCALE

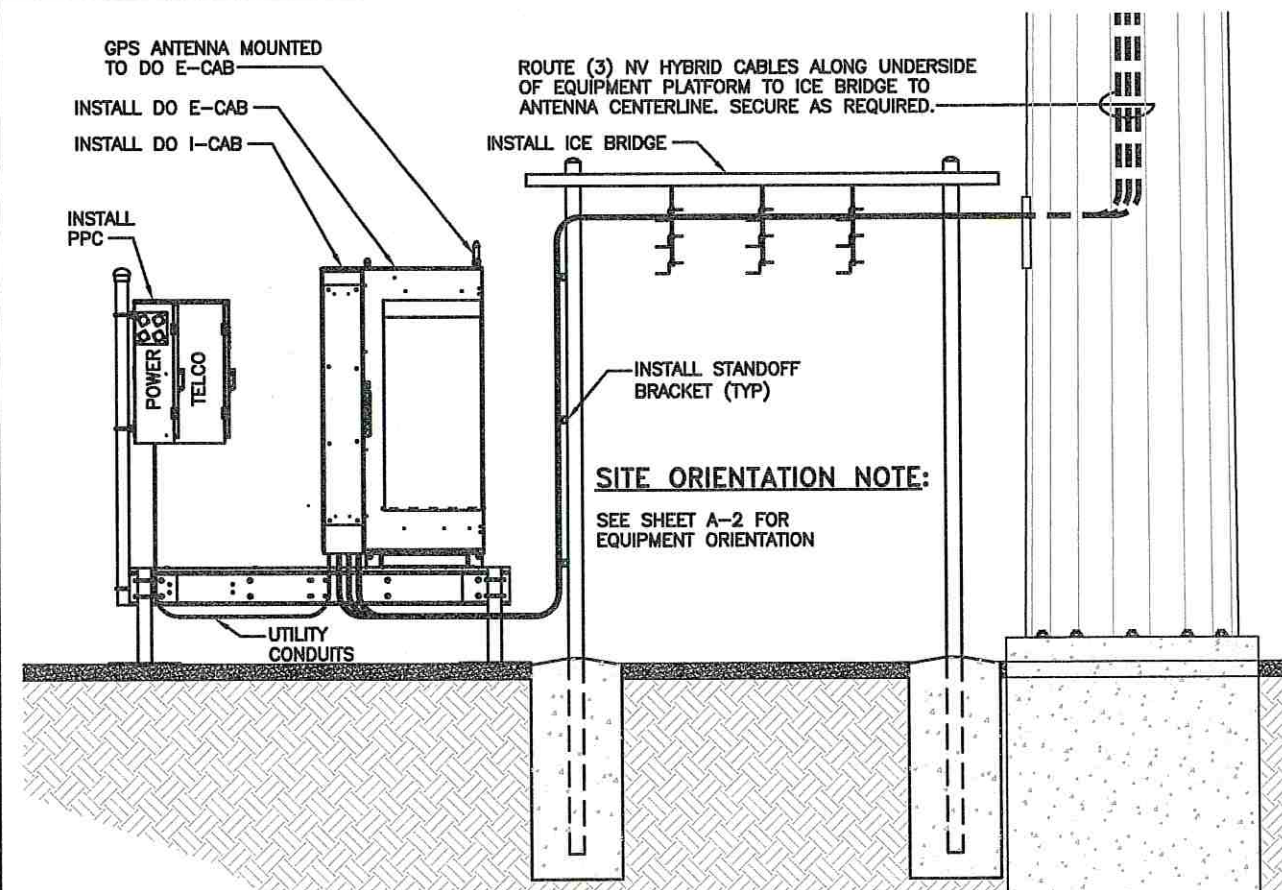
3



CABLE INSTALLATION PLAN

NO SCALE

1



EQUIPMENT SCHEMATIC DETAIL

NO SCALE

2

SITE OWNER:
AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251
Sprint

PLANS PREPARED FOR:
PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
RJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

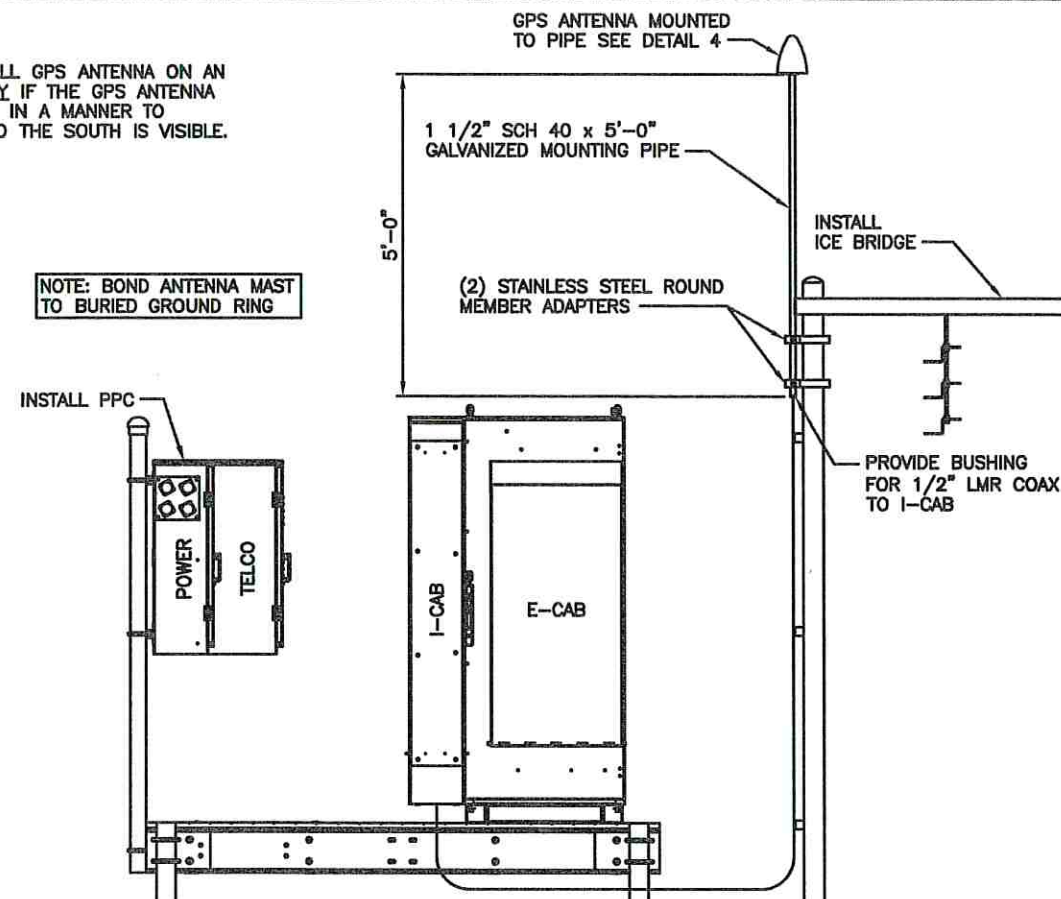
SHEET DESCRIPTION:
EQUIPMENT ELEVATIONS
& CABLE PLAN

DWG INFORMATION: SHEET NUMBER:
DRAWN BY: HEE
CHECKED BY: DCP
A-3

NOTE:

CONTRACTOR TO INSTALL GPS ANTENNA ON AN ICE BRIDGE POST ONLY IF THE GPS ANTENNA CANNOT BE INSTALLED IN A MANNER TO ENSURE CLEAR SKY TO THE SOUTH IS VISIBLE.

NOTE: BOND ANTENNA MAST TO BURIED GROUND RING

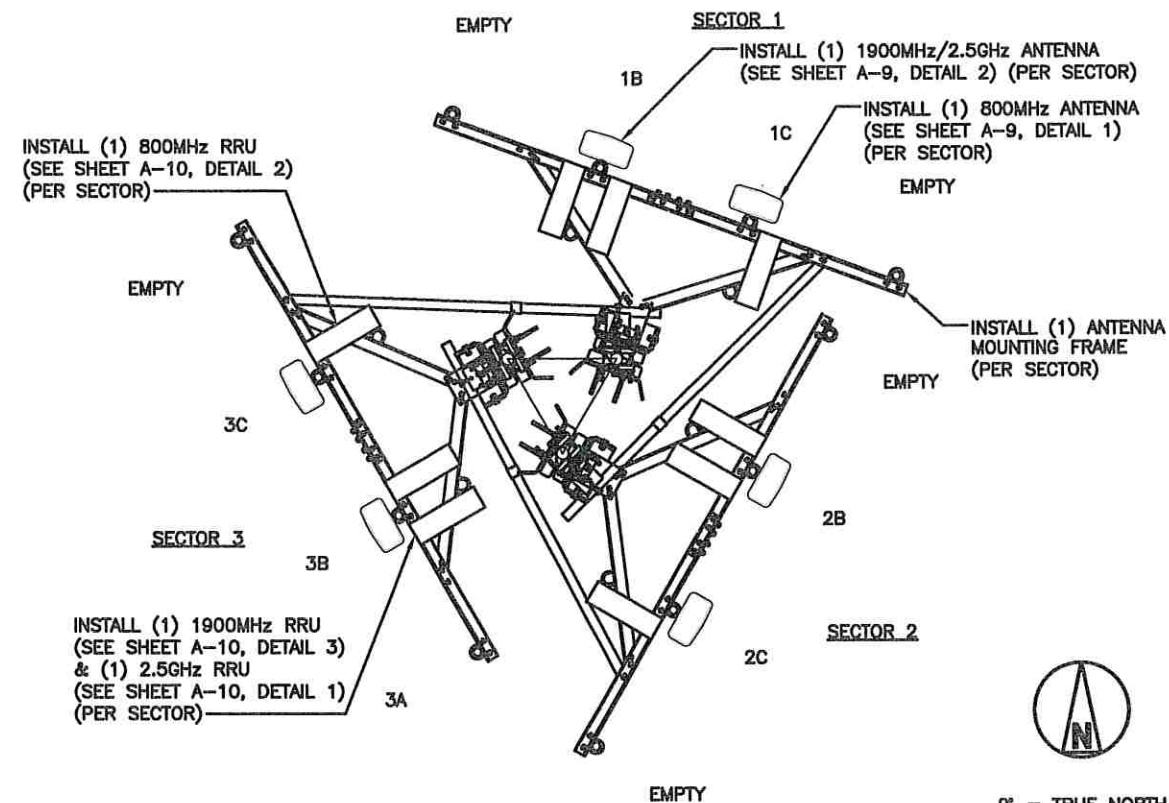
**GPS MOUNTING DETAIL (ALTERNATE)**

NO SCALE

1

INSTALL (1) 800MHz RRU
(SEE SHEET A-10, DETAIL 2)
(PER SECTOR)

INSTALL (1) 1900MHz RRU
(SEE SHEET A-10, DETAIL 3)
& (1) 2.5GHz RRU
(SEE SHEET A-10, DETAIL 1)
(PER SECTOR)

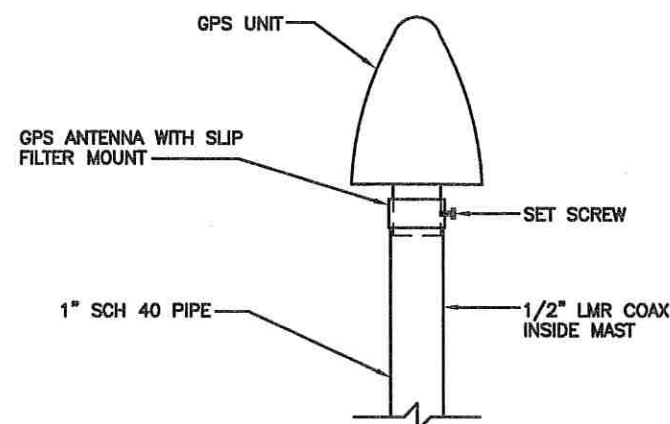
**FINAL ANTENNA & RRU LAYOUT @ 000'-0"**

NO SCALE

2

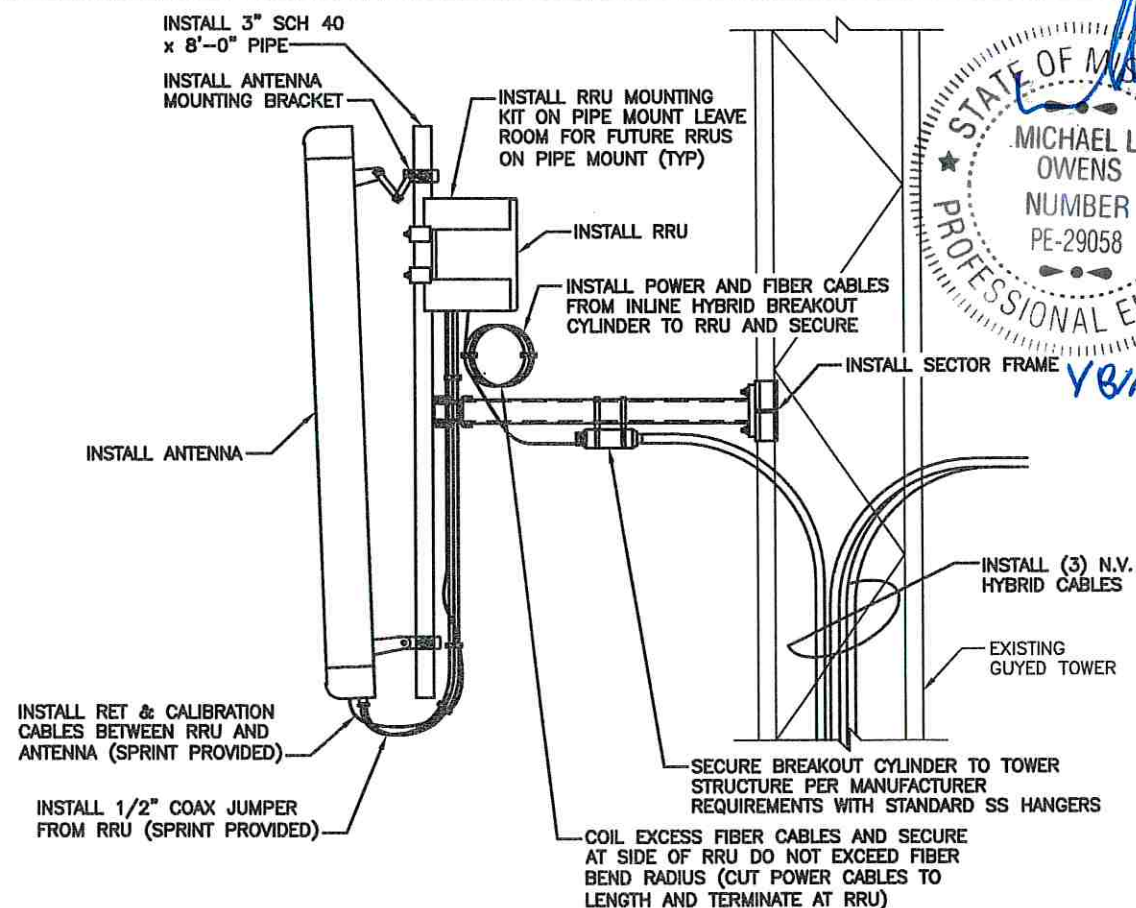
NOTES

1. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1" DIAMETER, SCHEDULE 40, GALVANIZED STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18 INCHES, 8'-0" IF MOUNTING TO INSTALL MMBS-BBU) USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED.
2. IT IS CRITICAL THAT THE GPS ANTENNA IS MOUNTED SUCH THAT IT IS WITHIN 2 DEGREES OF VERTICAL AND THE BASE OF THE ANTENNA IS WITHIN 2 DEGREES OF LEVEL.
3. SWEEP TEST PER TS-0200.
4. ATTACH GPS MOUNTING PIPE TO PLATFORM HANDRAIL OR ICE BRIDGE STRUCTURE USING (4) 8MMx15MM SS BOLTS AND (4) 1" PIPE STRAPS. GPS TO BE MOUNTED A MINIMUM OF 2'-0" ABOVE STRUCTURE.

**GPS MOUNT**

NO SCALE

4

**ANTENNA & RRU MOUNTING DETAIL**

NO SCALE

3

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCAD:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

ANTENNA LAYOUT &
MOUNTING DETAILS

DWG INFORMATION:

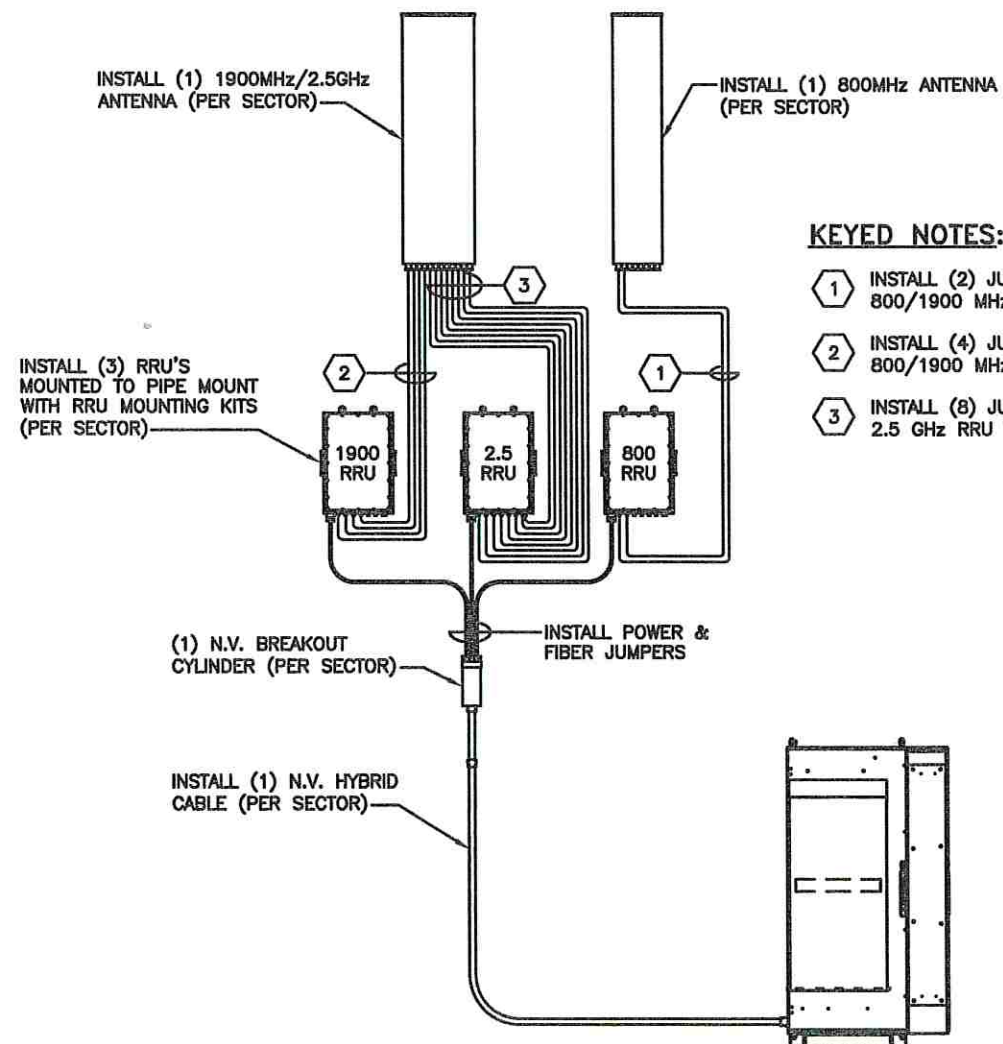
DRAWN BY: HEE
CHECKED BY: DCP

SHEET NUMBER:

A-4

ANTENNA SCHEDULE														
SECTOR	ANTENNA MODEL NUMBER	ANTENNA MANUFACTURER	HYBRID CABLES	AZIMUTH	RAD CENTER	ELECT D-TILT	MECH D-TILT	RRU MODEL NUMBER	RRU MANUFACTURER	FILTER MODEL # (IF NEEDED)	FILTER MANUFACTURER	JUMPER SIZE	JUMPER QTY	JUMPER LENGTH
1A	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—
1B	HHT465B—PF—2XR	COMMSCOPE	(1) N.V. HYBRID CABLE	20°	180'—0"	0°	0°	RRU 31	ERICSSON	—	—	1/2"	4	15'—0"
								RRU 82	ERICSSON	—	—	1/2"	8	15'—0"
1C	LDX—6516DS—VTM	COMMSCOPE	SHARED WITH N.V. HYBRID CABLE	20°	180'—0"	3°	0°	RRUS—11	ERICSSON	—	—	1/2"	2	15'—0"
1D	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—
2A	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—
2B	HHT465B—PF—2XR	COMMSCOPE	(1) N.V. HYBRID CABLE	120°	180'—0"	0°	0°	RRU 31	ERICSSON	—	—	1/2"	4	15'—0"
								RRU 82	ERICSSON	—	—	1/2"	8	15'—0"
2C	LDX—6516DS—VTM	COMMSCOPE	SHARED WITH N.V. HYBRID CABLE	120°	180'—0"	3°	0°	RRUS—11	ERICSSON	—	—	1/2"	2	15'—0"
2D	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—
3A	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—
3B	HHT465B—PF—2XR	COMMSCOPE	(1) N.V. HYBRID CABLE	240°	180'—0"	0°	0°	RRU 31	ERICSSON	—	—	1/2"	4	15'—0"
								RRU 82	ERICSSON	—	—	1/2"	8	15'—0"
3C	LDX—6516DS—VTM	COMMSCOPE	SHARED WITH N.V. HYBRID CABLE	240°	180'—0"	3°	0°	RRUS—11	ERICSSON	—	—	1/2"	2	15'—0"
3D	EMPTY	—	—	—	—	—	—	—	—	—	—	—	—	—

TYPICAL SECTOR



KEYED NOTES:

- 1 INSTALL (2) JUMPERS FROM 800 MHz RRU TO 800/1900 MHz ANTENNA (PER SECTOR)
- 2 INSTALL (4) JUMPERS FROM 1900 MHz RRU TO 800/1900 MHz ANTENNA (PER SECTOR)
- 3 INSTALL (8) JUMPERS & (1) CALIBRATION CABLE FROM 2.5 GHz RRU TO 2.5 GHz ANTENNA (PER SECTOR)



SITE OWNER:
AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251
Sprint

PLANS PREPARED FOR:
PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: MLO MICHAEL L. OWENS E-29058 DISCIPLINE: STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

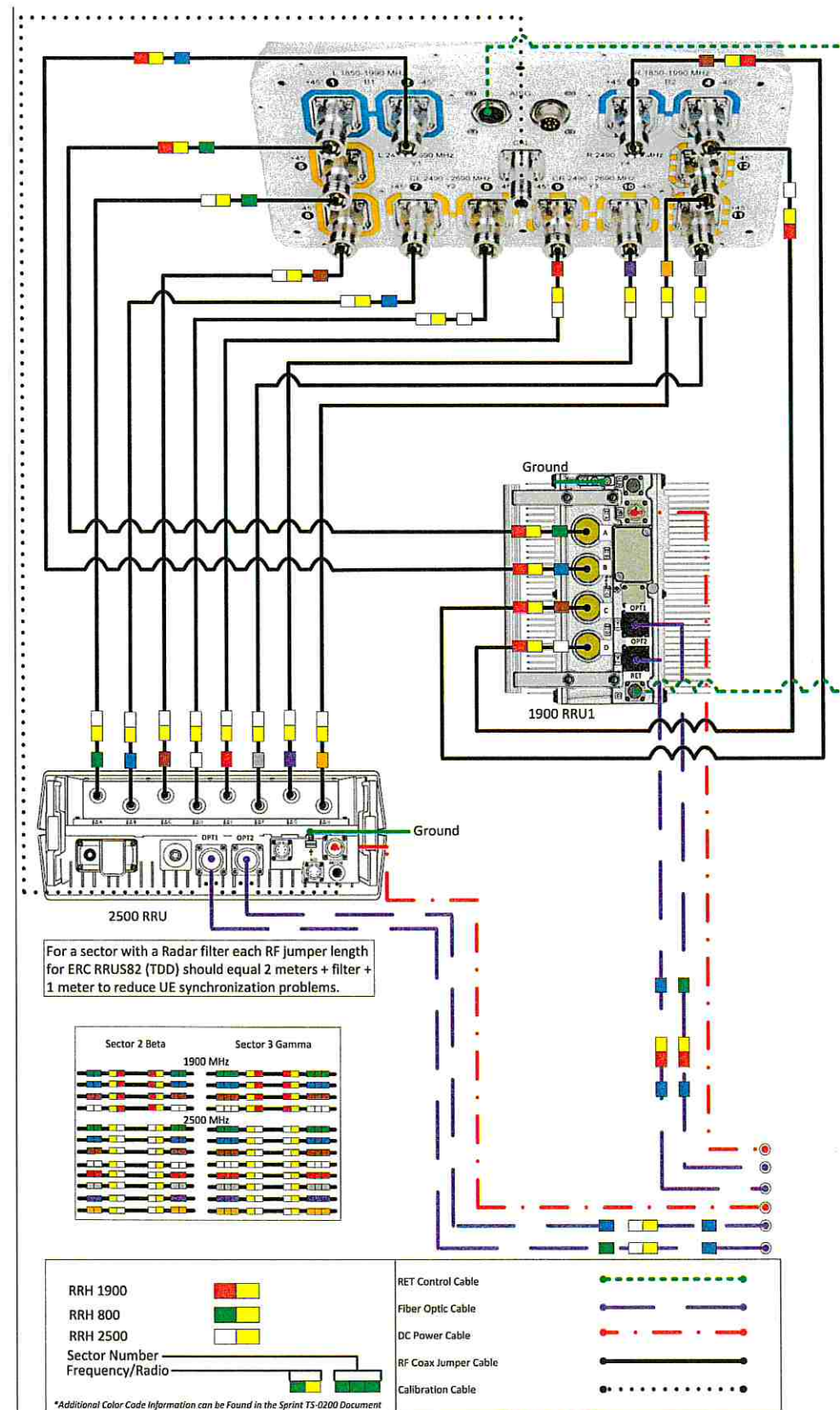
SHEET DESCRIPTION:
ANTENNA SCHEDULE &
EQUIPMENT INFORMATION

DWG INFORMATION: SHEET NUMBER:
DRAWN BY: HEE
CHECKED BY: DCP
A-5.1

Prepared By
Mark Elliott
Revision Date
December 1, 2017
Revision Number
R1
Approved By
RAN Hardware & Antenna Teams
Approval Date
Final-Macro Generated

Sprint

ERC 011 HHT465B-PF-2XR wo Filters



Not to Scale



1/8/18

SITE OWNER:
AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251
Sprint

PLANS PREPARED FOR:
PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE# DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
RFDS PLUMBING
DIAGRAM

DWG INFORMATION: SHEET NUMBER:
DRAWN BY: HEE
CHECKED BY: DCP
A-5.2

RRH-1 800							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	Green
1	2		No tape	No tape		Yellow	Green
Sector #	Cable #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	Green
2	2			No tape		Yellow	Green
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	Green
3	2					Yellow	Green

RRH-1 1900							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	Red
1	2		No tape	No tape		Yellow	Red
1	3	Brown	No tape	No tape		Yellow	Red
1	4	White	No tape	No tape		Yellow	Red
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	Red
2	2			No tape		Yellow	Red
2	3	Brown	Brown	No tape		Yellow	Red
2	4	White	White	No tape		Yellow	Red
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	Red
3	2					Yellow	Red
3	3	Brown	Brown	Brown		Yellow	Red
3	4	White	White	White		Yellow	Red

RRH-1 2500							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	White
1	2		No tape	No tape		Yellow	White
1	3	Brown	No tape	No tape		Yellow	White
1	4	White	No tape	No tape		Yellow	White
1	5	Red	No tape	No tape		Yellow	White
1	6	Gray	No tape	No tape		Yellow	White
1	7		No tape	No tape		Yellow	White
1	8	Orange	No tape	No tape		Yellow	White
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	White
2	2			No tape		Yellow	White
2	3	Brown	Brown	No tape		Yellow	White
2	4	White	White	No tape		Yellow	White
2	5	Red	Red	No tape		Yellow	White
2	6	Gray	Gray	No tape		Yellow	White
2	7			No tape		Yellow	White
2	8	Orange	Orange	No tape		Yellow	White
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	White
3	2					Yellow	White
3	3	Brown	Brown	Brown		Yellow	White
3	4	White	White	White		Yellow	White
3	5	Red	Red	Red		Yellow	White
3	6	Gray	Gray	Gray		Yellow	White
3	7					Yellow	White
3	8	Orange	Orange	Orange		Yellow	White

RRH-2 800							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	Orange
1	2		No tape	No tape		Yellow	Orange
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	Orange
2	2			No tape		Yellow	Orange
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	Orange
3	2					Yellow	Orange

RRH-2 1900							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	Brown
1	2		No tape	No tape		Yellow	Brown
1	3	Brown	No tape	No tape		Yellow	Brown
1	4	White	No tape	No tape		Yellow	Brown
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	Brown
2	2			No tape		Yellow	Brown
2	3	Brown	Brown	No tape		Yellow	Brown
2	4	White	White	No tape		Yellow	Brown
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	Brown
3	2					Yellow	Brown
3	3	Brown	Brown	Brown		Yellow	Brown
3	4	White	White	White		Yellow	Brown

RRH-2 2500							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	
1	2		No tape	No tape		Yellow	
1	3	Brown	No tape	No tape		Yellow	
1	4	White	No tape	No tape		Yellow	
1	5	Red	No tape	No tape		Yellow	
1	6	Gray	No tape	No tape		Yellow	
1	7		No tape	No tape		Yellow	
1	8	Orange	No tape	No tape		Yellow	
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	
2	2			No tape		Yellow	
2	3	Brown	Brown	No tape		Yellow	
2	4	White	White	No tape		Yellow	
2	5	Red	Red	No tape		Yellow	
2	6	Gray	Gray	No tape		Yellow	
2	7			No tape		Yellow	
2	8	Orange	Orange	No tape		Yellow	
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	
3	2					Yellow	
3	3	Brown	Brown	Brown		Yellow	
3	4	White	White	White		Yellow	
3	5	Red	Red	Red		Yellow	
3	6	Gray	Gray	Gray		Yellow	
3	7					Yellow	
3	8	Orange	Orange	Orange		Yellow	

RRH-3 1900							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	
1	2		No tape	No tape		Yellow	
1	3	Brown	No tape	No tape		Yellow	
1	4	White	No tape	No tape		Yellow	
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	
2	2			No tape		Yellow	
2	3	Brown	Brown	No tape		Yellow	
2	4	White	White	No tape		Yellow	
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	
3	2					Yellow	
3	3	Brown	Brown	Brown		Yellow	
3	4	White	White	White		Yellow	

RRH-3 2500							
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
1	1	Green	No tape	No tape		Yellow	Gray
1	2		No tape	No tape		Yellow	Gray
1	3	Brown	No tape	No tape		Yellow	Gray
1	4	White	No tape	No tape		Yellow	Gray
1	5	Red	No tape	No tape		Yellow	Gray
1	6	Gray	No tape	No tape		Yellow	Gray
1	7		No tape	No tape		Yellow	Gray
1	8	Orange	No tape	No tape		Yellow	Gray
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
2	1	Green	Green	No tape		Yellow	Gray
2	2			No tape		Yellow	Gray
2	3	Brown	Brown	No tape		Yellow	Gray
2	4	White	White	No tape		Yellow	Gray
2	5	Red	Red	No tape		Yellow	Gray
2	6	Gray	Gray	No tape		Yellow	Gray
2	7			No tape		Yellow	Gray
2	8	Orange	Orange	No tape		Yellow	Gray
Sector #	Radio Port #	First Ring	Second Ring	Third Ring	Space	Sector #	Frequency-Radio #
3	1	Green	Green	Green		Yellow	Gray
3	2					Yellow	Gray
3	3	Brown	Brown	Brown		Yellow	Gray
3	4	White	White	White		Yellow	Gray
3	5	Red	Red	Red		Yellow	Gray
3	6	Gray	Gray	Gray		Yellow	Gray
3	7					Yellow	Gray
3	8	Orange	Orange	Orange		Yellow	Gray



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCAD:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

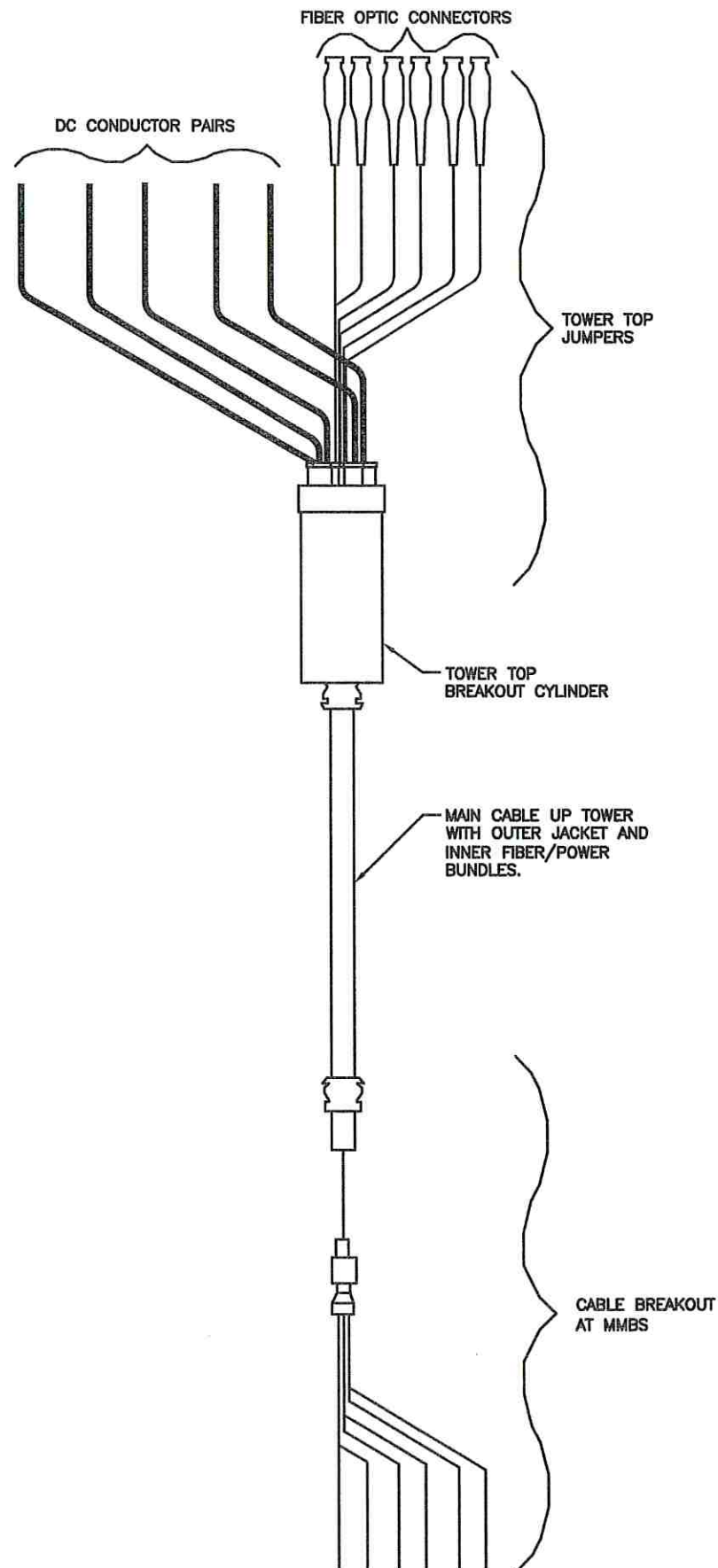
SHEET DESCRIPTION:

FEEDLINE
COLOR CODING

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

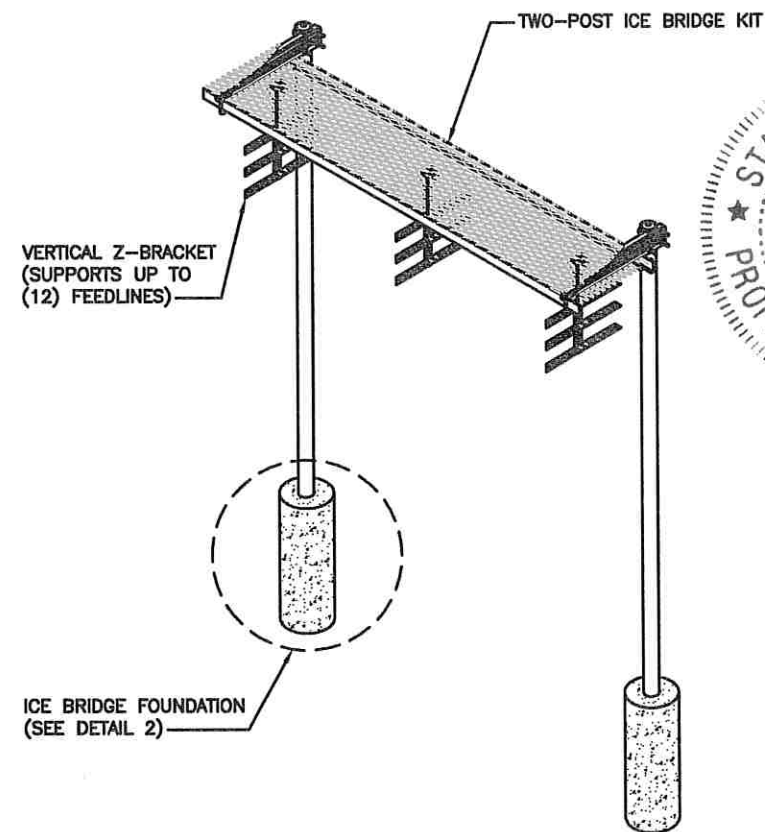
SHEET NUMBER:
A-5.3



HYBRID CABLE

NO SCALE

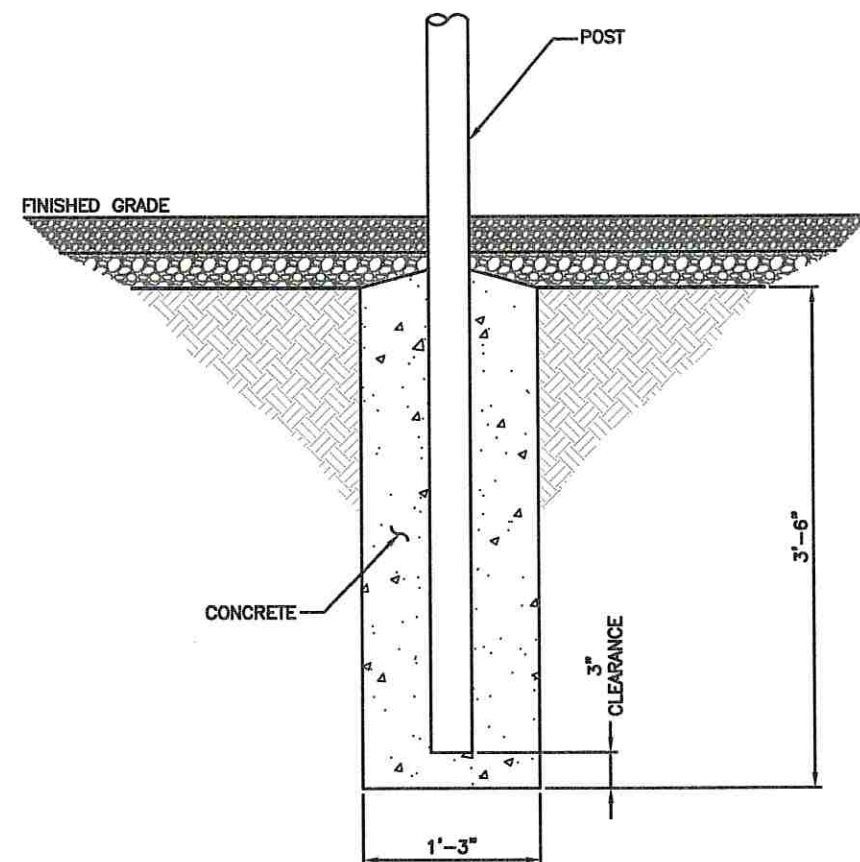
3



ICE BRIDGE

NO SCALE

1



POST FOUNDATION

NO SCALE

2

SITE OWNER:



AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

EQUIPMENT DETAILS

DWG INFORMATION:

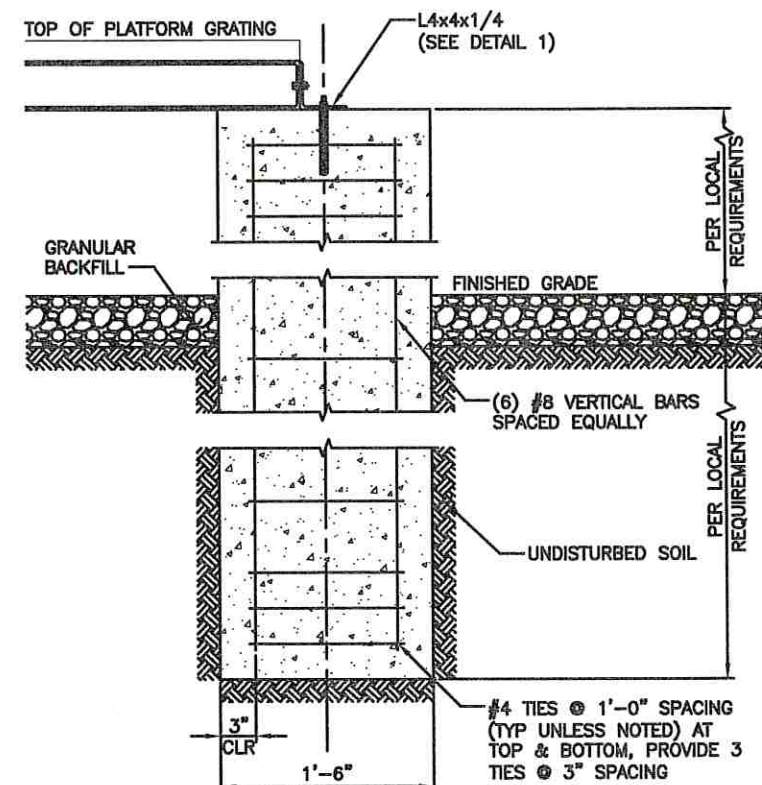
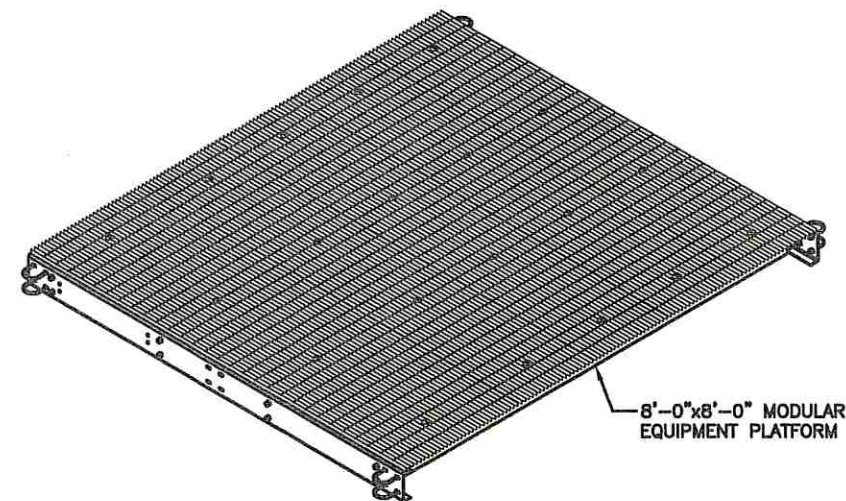
DRAWN BY:	HEE
CHECKED BY:	DCP

SHEET NUMBER:

A-6

PLATFORM NOTE:

PLATFORM CAPACITY SHALL BE
8,000 lbs MIN.



PLATFORM

NO SCALE

1

PLATFORM PIER DETAIL

NO SCALE

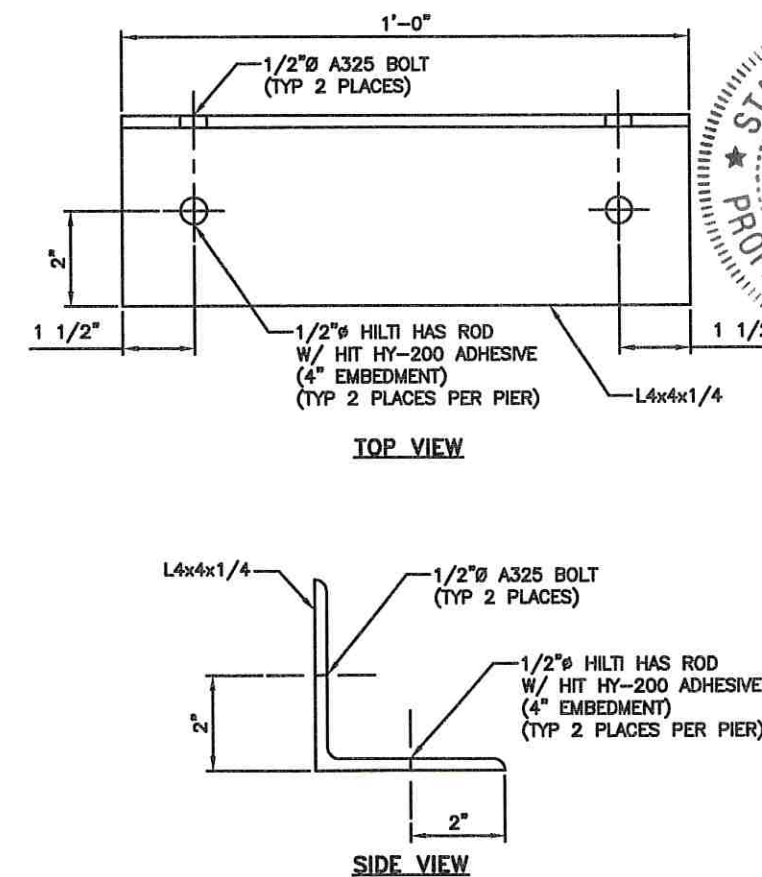
2

CABINET	DIMENSIONS	WEIGHT EMPTY	WEIGHT FULLY LOADED
PURCELL E-CAB	30.0"Wx45.7"Dx72.0"H	450 lbs	1,326 lbs
PURCELL B-CAB	14.7"Wx29.3"Dx72.0"H	200 lbs	1,256 lbs
PURCELL GMK	10.0"Wx29.3"Dx72.0"H	155 lbs	N/A
PURCELL PPC POWER	28.8"Wx12.2"Dx36.1"H	73 lbs	N/A
PURCELL PPC TELCO	24.1"Wx22.3"Dx36.0"H	58 lbs	PER INSTALLED EQUIPMENT
ELTEK E-CAB	30.0"Wx38.0"Dx73.5"H	505 lbs	1,381 lbs
ELTEK B-CAB	16.5"Wx34.7"Dx73.5"H	330 lbs	1,386 lbs
ELTEK GMK	10.0"Wx29.3"Dx72.0"H	180 lbs	N/A
ELTEK PPC POWER	24.0"Wx10.0"Dx36.0"H	80 lbs	N/A
ELTEK PPC TELCO	24.0"Wx23.0"Dx36.0"H	50 lbs	PER INSTALLED EQUIPMENT

PLATFORM EQUIPMENT LOADING

NO SCALE

4



PLATFORM CONNECTION ANGLE

NO SCALE

3

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PER: DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

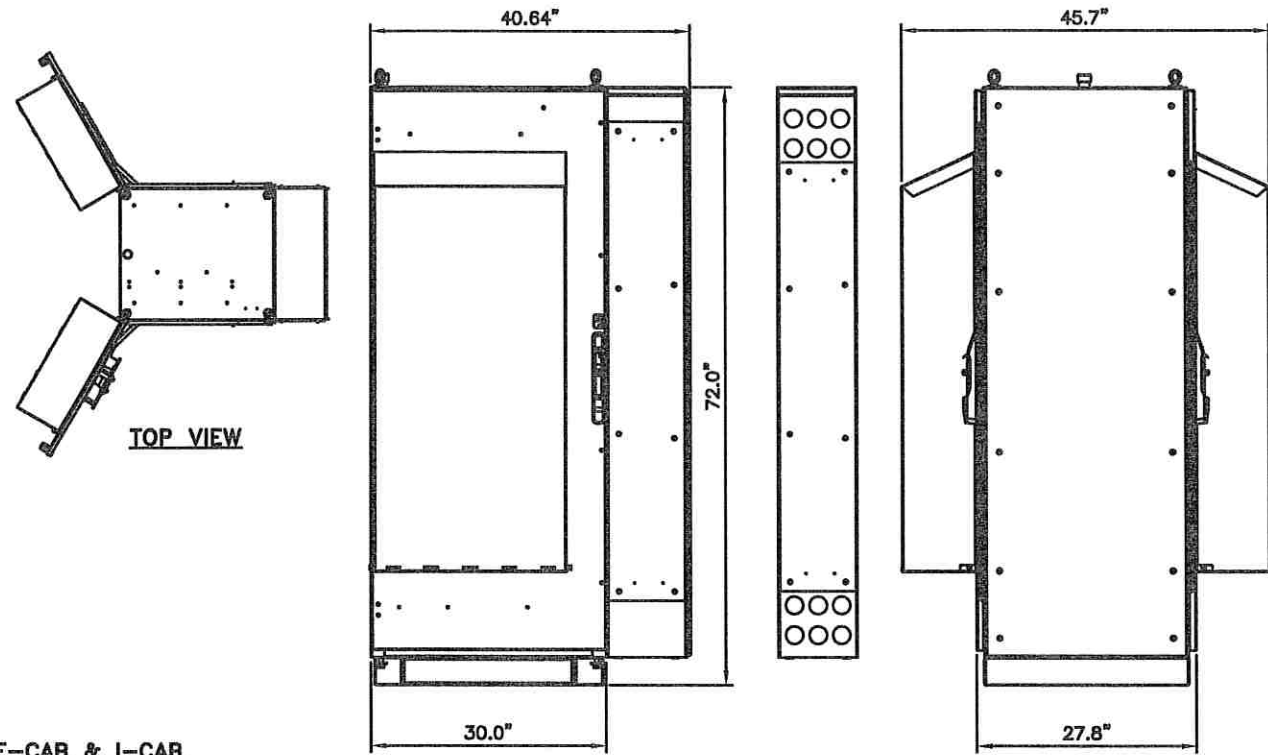
EQUIPMENT DETAILS

DWG INFORMATION:

DRAWN BY: HEE
CHECKED BY: DCP

SHEET NUMBER:

A-7



E-CAB & I-CAB

DIMENSIONS HxWxD: 72.0"x30.0"x45.7"
EMPTY WEIGH: 450lbs
FULLY LOADED WEIGHT: 1,326lbs

FRONT VIEW

**I-CAB
BACK VIEW**

SIDE VIEW



1/8/18

PURCELL E-CAB & I-CAB

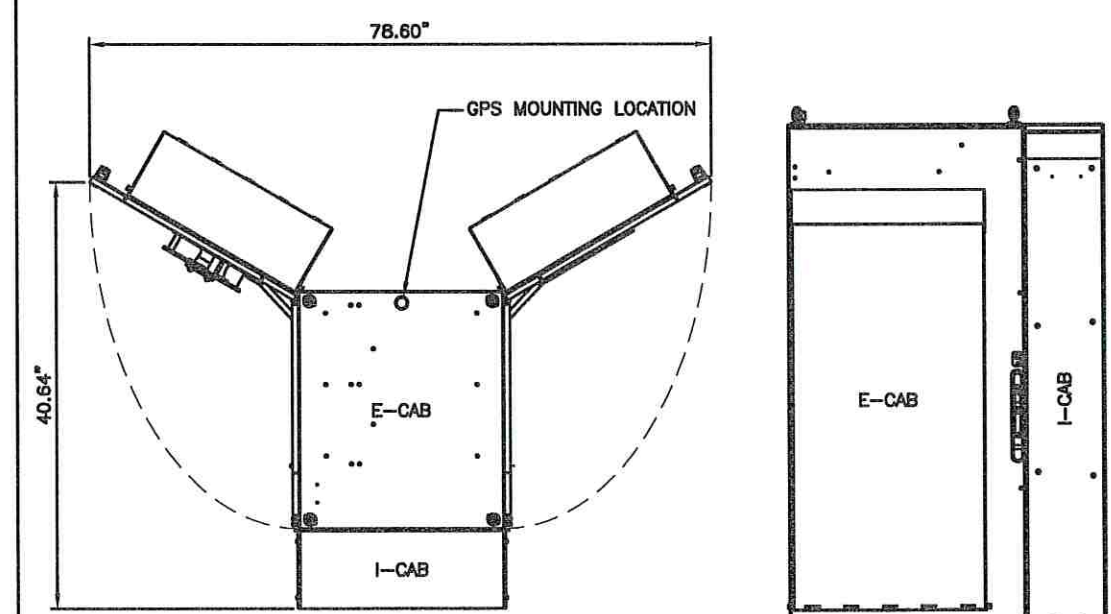
NO SCALE

1

DETAIL NOT USED

NO SCALE

2



PLAN

FRONT

DETAIL NOT USED

NO SCALE

4

PURCELL E-CAB & I-CAB

NO SCALE

3

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE# DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

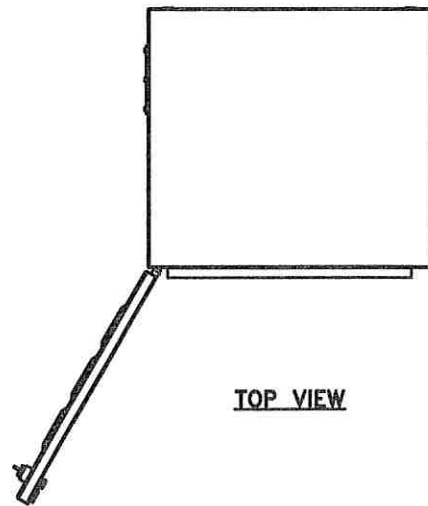
MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

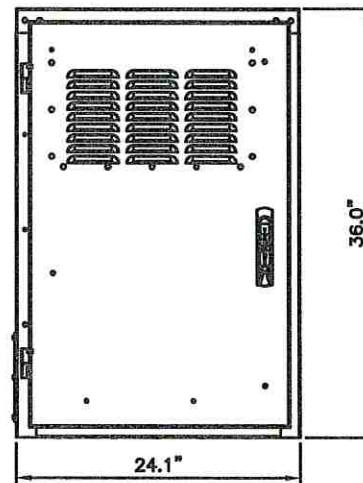
SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
PURCELL
EQUIPMENT DETAILS

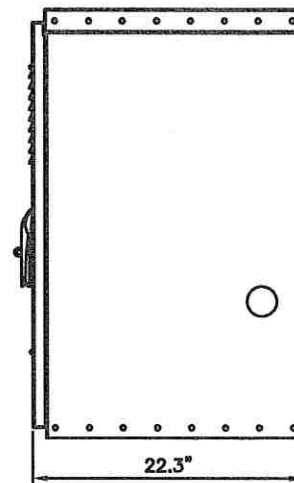
DWG INFORMATION:
DRAWN BY: HEE
CHECKED BY: DCP
SHEET NUMBER:
A-8.1



TOP VIEW



FRONT VIEW

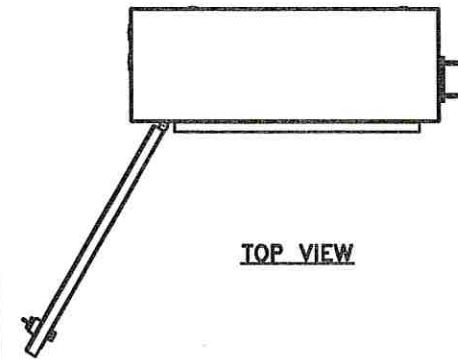


SIDE VIEW

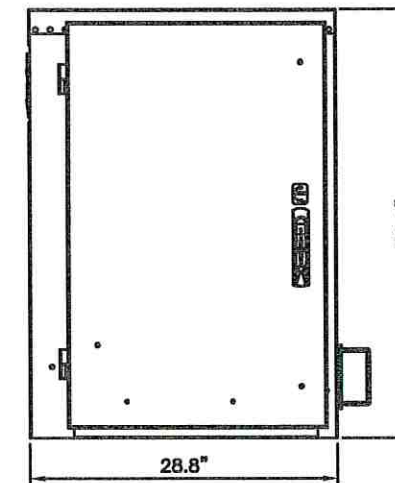
PPC TELCO CABINET

DIMENSIONS HxWxD: 36.0"x24.18"x22.3"

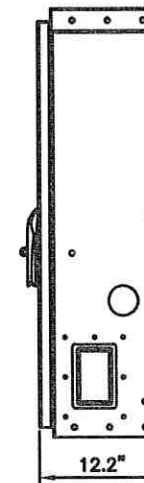
WEIGHT: 58lbs



TOP VIEW



FRONT VIEW



SIDE VIEW

PPC POWER CABINET

DIMENSIONS HxWxD: 36.1"x28.8"x12.2"

WEIGHT: 73lbs

PURCELL PPC TELCO CABINET

NO SCALE

1

PURCELL PPC POWER CABINET

NO SCALE

2

DETAIL NOT USED

NO SCALE

4

DETAIL NOT USED

NO SCALE

3

SITE OWNER:



AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

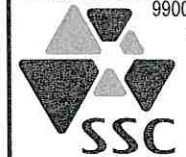


PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777



ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

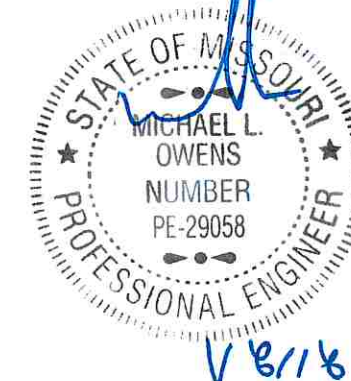
PURCELL
EQUIPMENT DETAILS

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

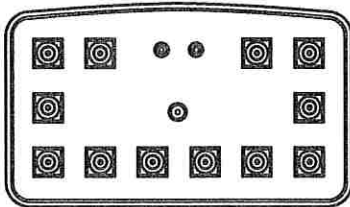
SHEET NUMBER:

A-8.2

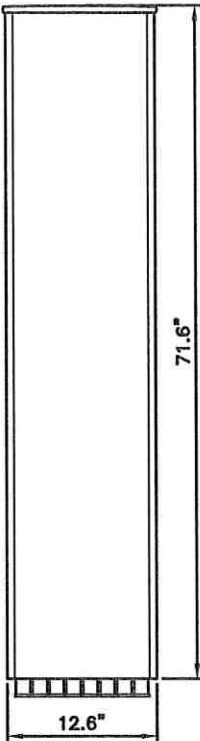


COMMSCOPE HHT465B-PF-2XR

RADOME MATERIAL: UPVC, UV RESISTANT
RADOME COLOR: LIGHT GRAY
DIMENSIONS, HxWxDin (mm): 71.6"x12.6"x6.7"
WEIGHT: 53.0 lbs
CONNECTORS: (12) 4.1/9.5 DIN-Female
(1) Type N-Female

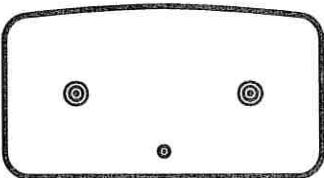


PLAN VIEW

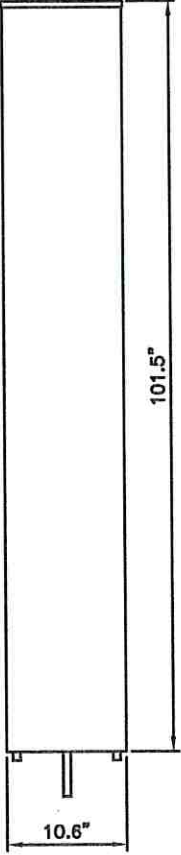


LDX-6516DS-VTM

RADOME MATERIAL: PVC, UV RESISTANT
RADOME COLOR: LIGHT GRAY
DIMENSIONS, HxWxD.in: 101.5 X 10.6 X 5.2
WEIGHT: 48.5 lbs
CONNECTORS: (2) 7-16 DIN FEMALE



PLAN VIEW



1900/2.5 ANTENNA

NO SCALE

1

800 ANTENNA

NO SCALE

2

DETAIL NOT USED

NO SCALE

4

DETAIL NOT USED

NO SCALE

3

SITE OWNER:



AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint



PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE# DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

ANTENNA DETAILS

DWG INFORMATION:

DRAWN BY: HEE
CHECKED BY: DCP

SHEET NUMBER:

A-9

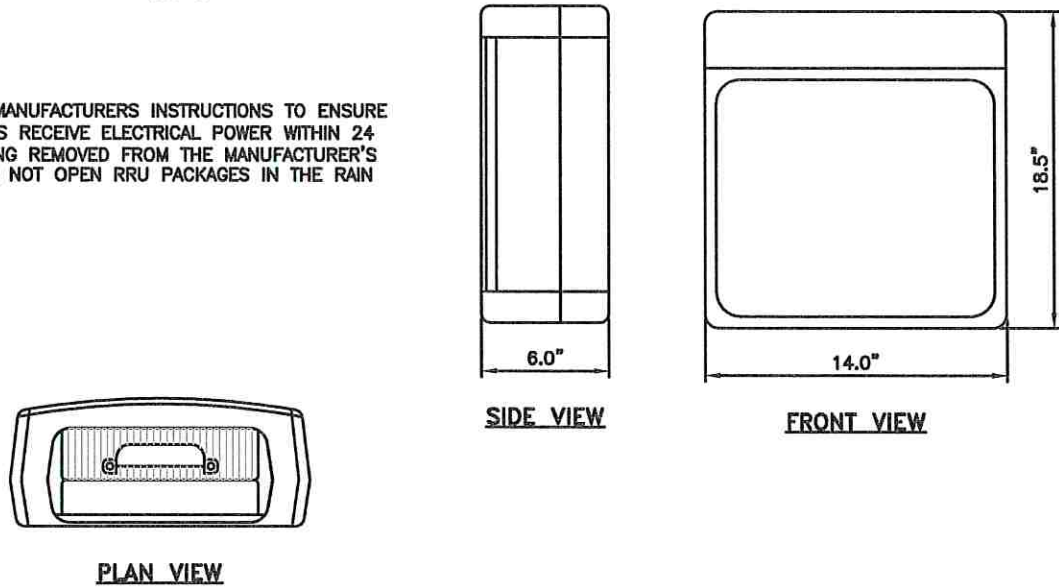


1/8/18

ERICSSON RRUS 82

DIMENSIONS, HxWxD.in(mim): 18.5"x14.0"x6.0"
WEIGHT: 62 lbs
CONNECTORS: (8) 1/2" DIN FEMALE

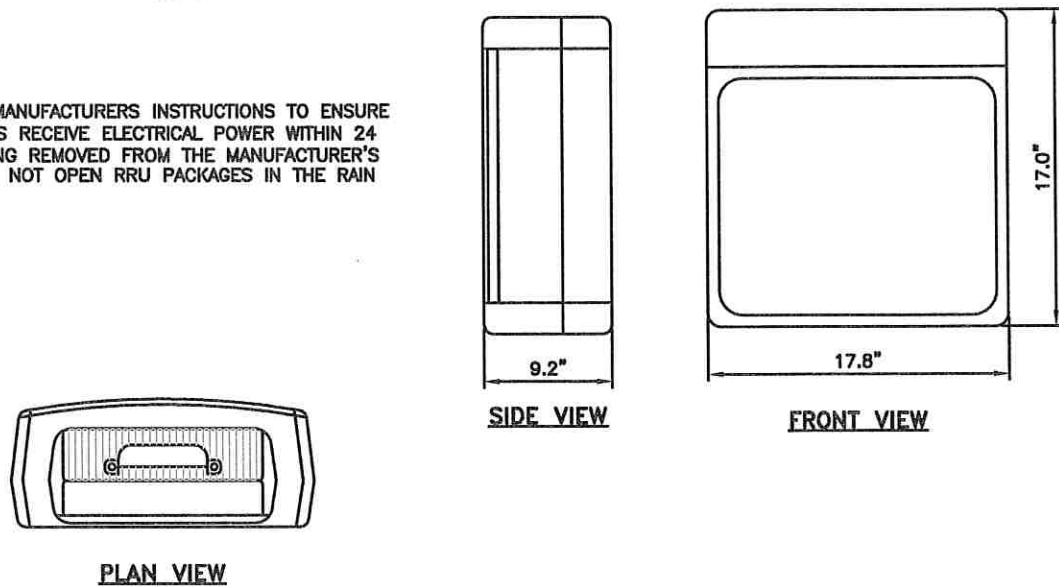
NOTE
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN



ERICSSON RRUS-11

DIMENSIONS, HxWxD.in(mim): 17.0"x17.8"x9.2"
WEIGHT: 54 lbs
CONNECTORS: (2) 1/2" DIN FEMALE

NOTE
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN



2.5 RRUS

NO SCALE

1

800 RRUS

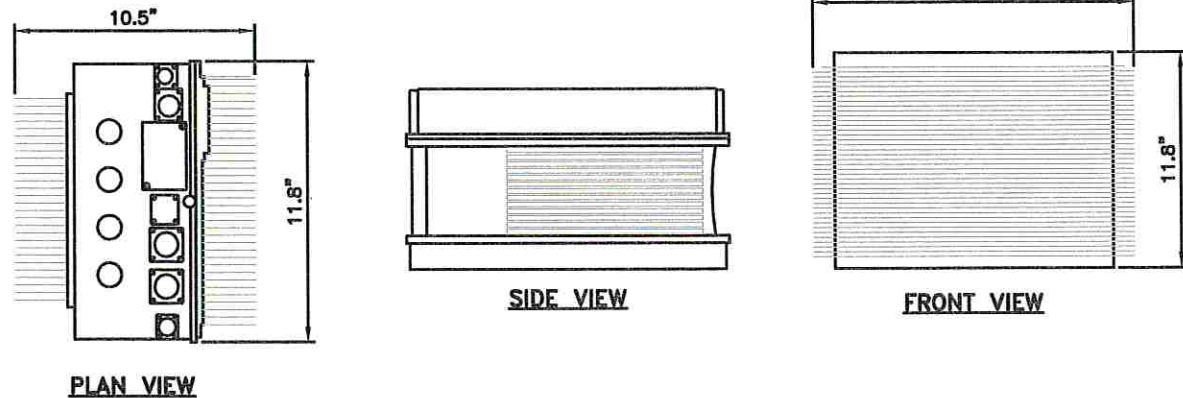
NO SCALE

2

ERICSSON RRUS 31

DIMENSIONS, HxWxD.in(mim): 20.5"x11.8"x10.5"
WEIGHT: 60 lbs
CONNECTORS: (4) 1/2" DIN FEMALE

NOTE
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN



DETAIL NOT USED

NO SCALE

4

1900 RRUS

NO SCALE

3

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

RRU DETAILS

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

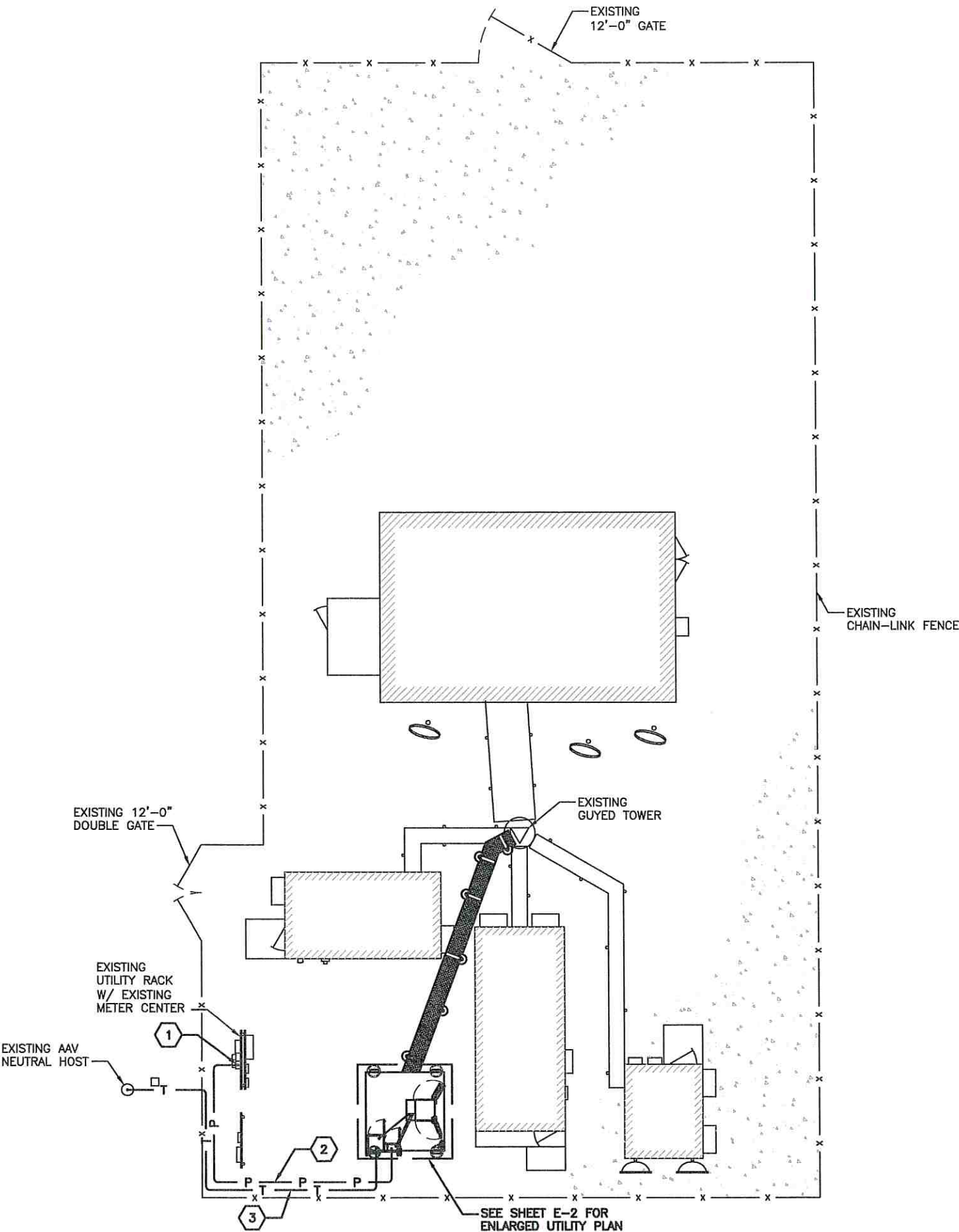
SHEET NUMBER:
A-10

TELCO NOTE:

1. RUN MULTIMODE FIBER FROM E-CAB, THRU THE INNERCONNECT "TRANSITION" CABINET AND ON TO THE AAV NEUTRAL HOST LOCATION WITHOUT INTERMEDIATE TERMINATIONS. AT INNERCONNECT "TRANSITION" CABINET COIL 3'-0" CABLE AND SECURE.
2. AT PPC AND METER RACK TURN 4" SPARE UTILITY CONDUIT UP 6" ABOVE NODE AND PROVIDE CAP.

KEYED NOTES:

- 1 STUB-UP ACTIVE CONDUIT TO WITHIN 1'-0" OF METER SOCKET. COIL 3'-0" SPARE CONDUCTOR. TAPE WRAP ENDS AND PROTECT CABLE FROM WEATHER. UTILITY WILL MAKE ALL CABLE CONNECTIONS AND ENERGIZE SITE.
- 2 SERVICE LATERAL TO GANG METER SOCKET 6
(1) 4" CONDUIT: 3#3/0, 1#2G
(1) 4" CONDUIT: SPARE
- 3 AT NEUTRAL HOST CONNECT TO EXISTING PVC STUB-UP PULL FIBER AND LEAVE 3'-0" SPARE INSIDE ENCLOSURE.



SITE OWNER:
AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251
Sprint

PLANS PREPARED FOR:
PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777
SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE# DISCIPLINE:
MLO MICHAEL L. OWENS E-28058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

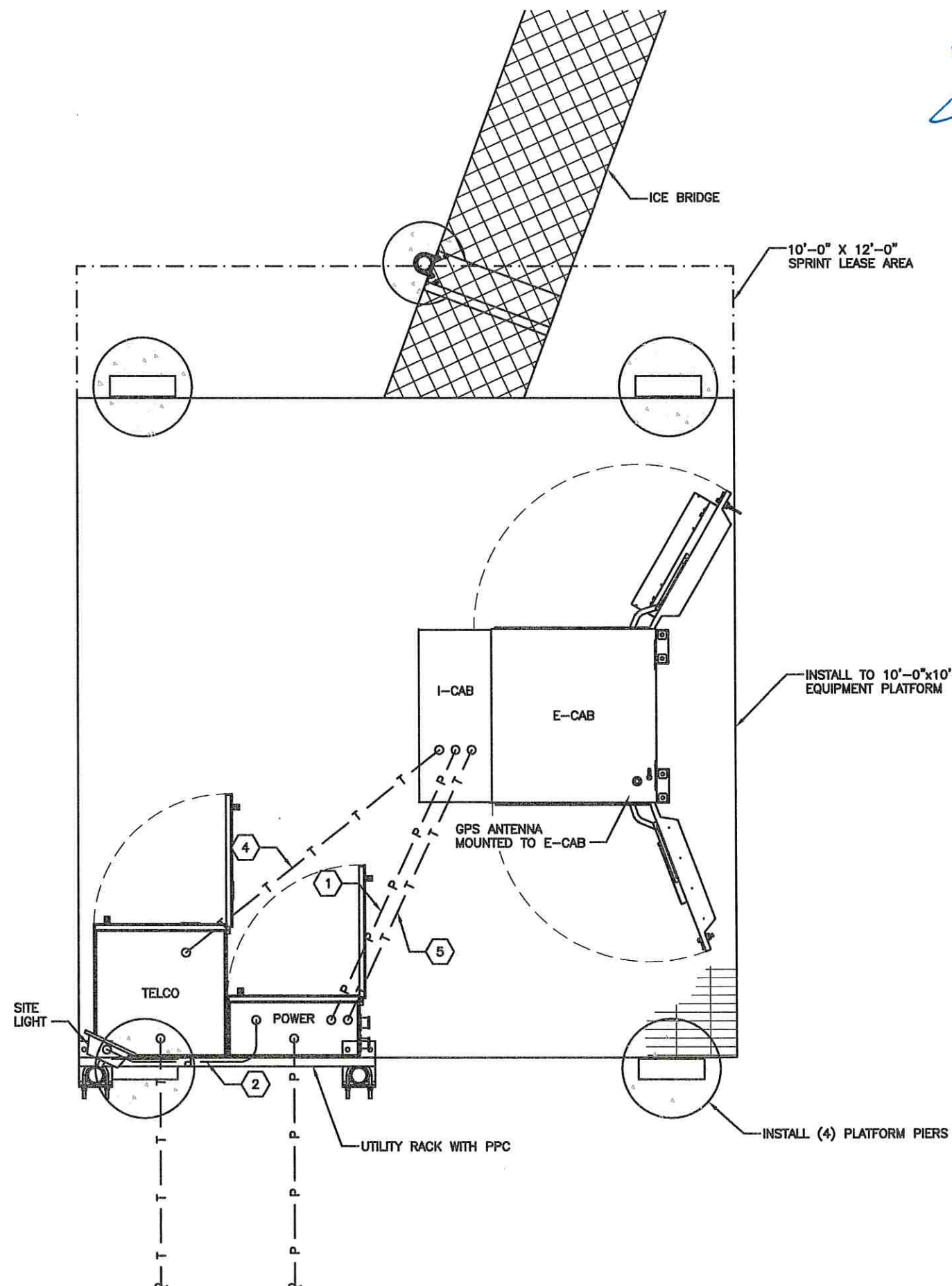
SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
OVERALL UTILITY PLAN

DWG INFORMATION: SHEET NUMBER:
DRAWN BY: HEE
CHECKED BY: DCP
E-1

KEYED NOTES:

- 1 AC POWER FOR E-CAB 3#2, 1#2G, 1/2"C
- 2 3#12, 3/4"C TO SITE LIGHT
- 3 N/A
- 4 FIBER BACKHAUL 1" CONDUIT WITH FACTORY FABRICATED MULTIMODE FIBER AS REQUIRED BY MANUFACTURER
- 5 ALARMS 1" CONDUIT, 4PR 24GA CAT5E



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: P.E. DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21581 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

ENLARGED UTILITY PLAN

DWG INFORMATION:

DRAWN BY: HEE
CHECKED BY: DCP

SHEET NUMBER:

E-2

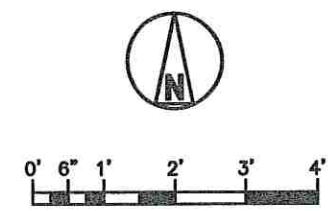
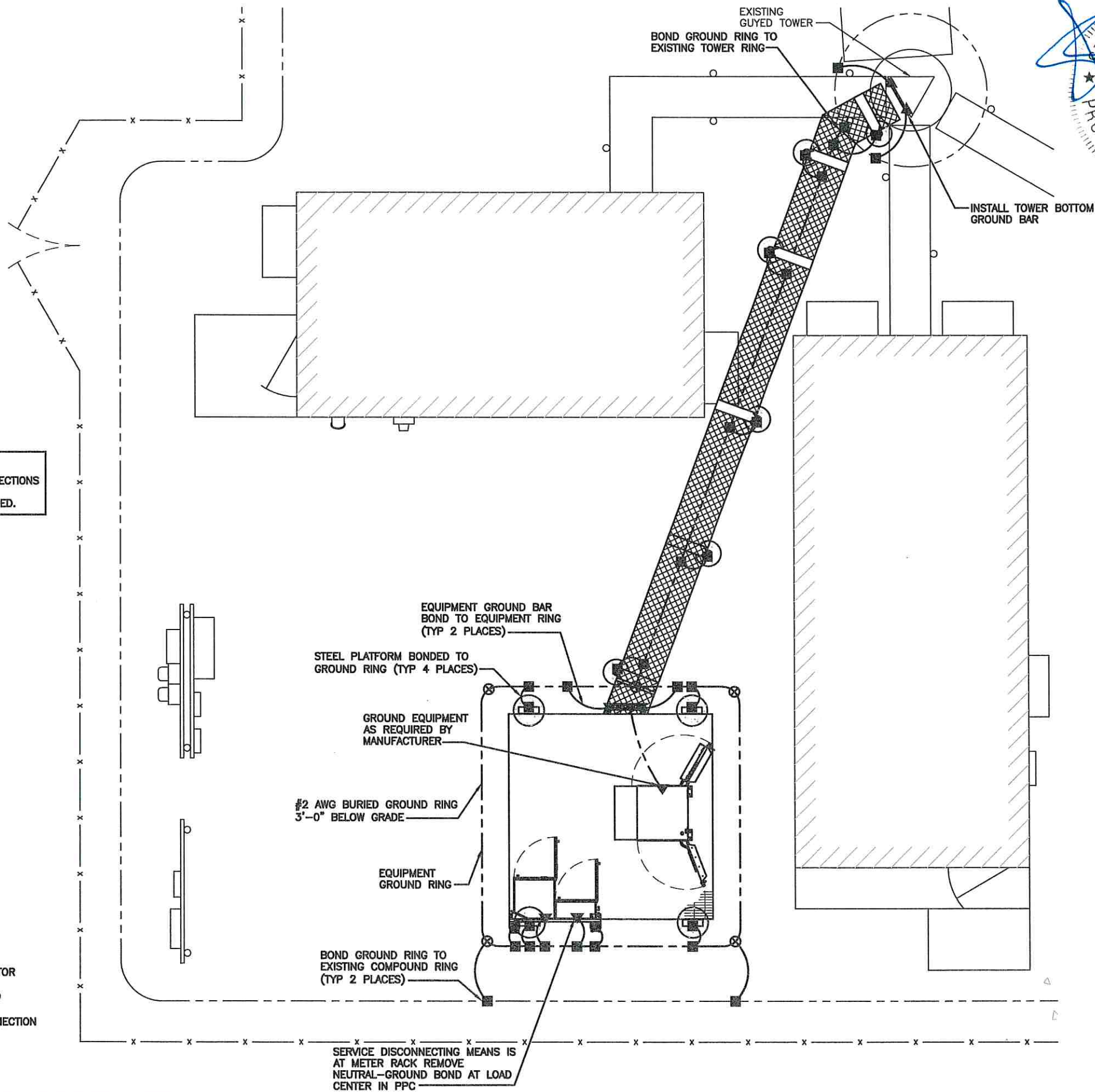
EQUIPMENT PLAN

1 1/2" = 1'-0" 1

NOTE:
TOWER OWNER REQUIRES ALL CONNECTIONS
TO BE MECHANICAL ON TOWER.
EXOTHERMIC WELDS ARE NOT ALLOWED.

LEGEND:

- GROUND CONDUCTOR
- EXOTHERMIC WELD
- ▼ MECHANICAL CONNECTION
- ⊗ GROUND ROD



EQUIPMENT PLAN

3/4" = 1'-0" 1

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER	PE#	DISCIPLINE
MLO MICHAEL L. OWENS	E-29056	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:		DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW			11/30/17	HEE	A
ISSUED FOR CONSTRUCTION			12/07/17	DCP	0
REVISED PER CITY COMMENTS			01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

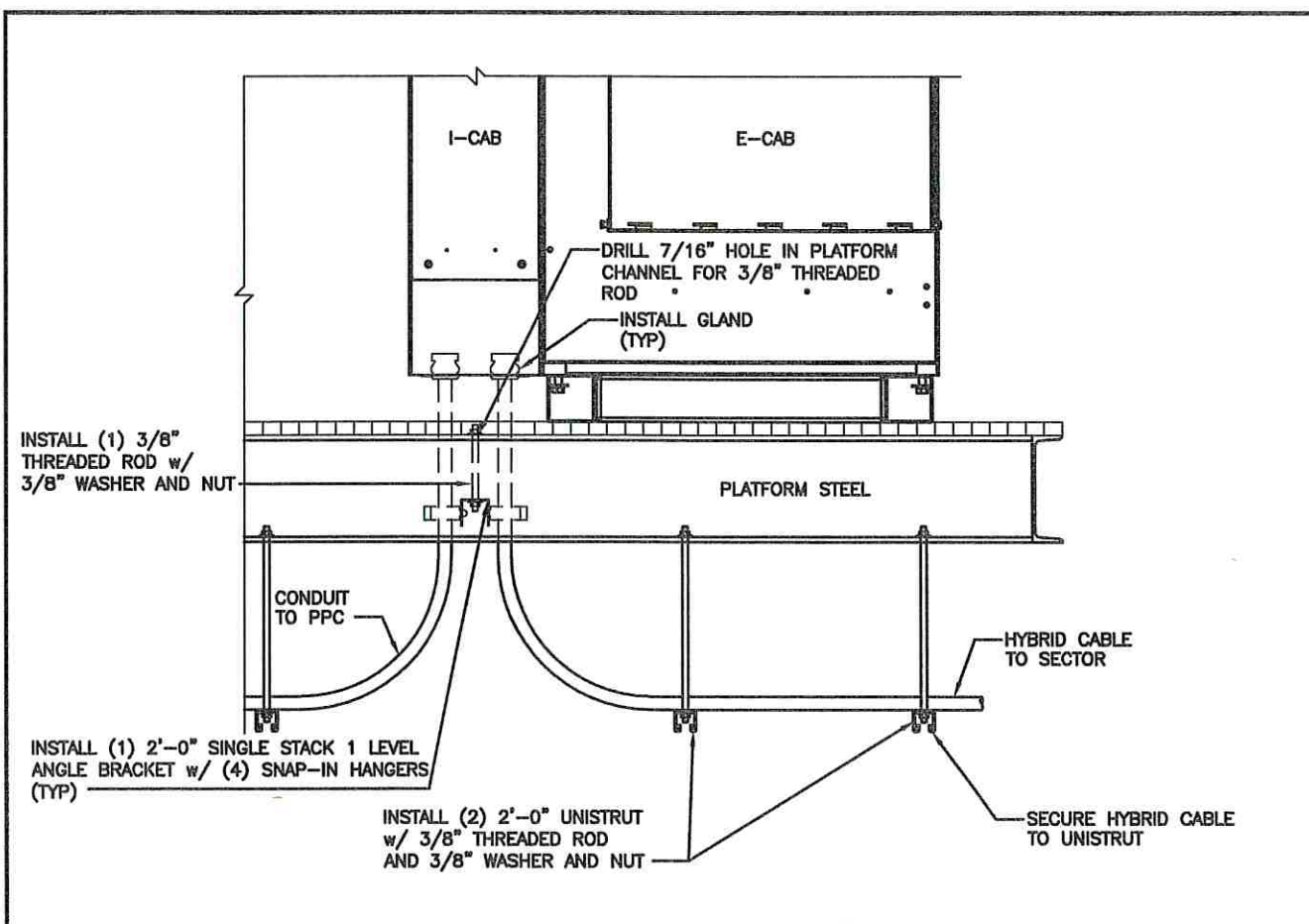
SHEET DESCRIPTION:

GROUNDING PLAN

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

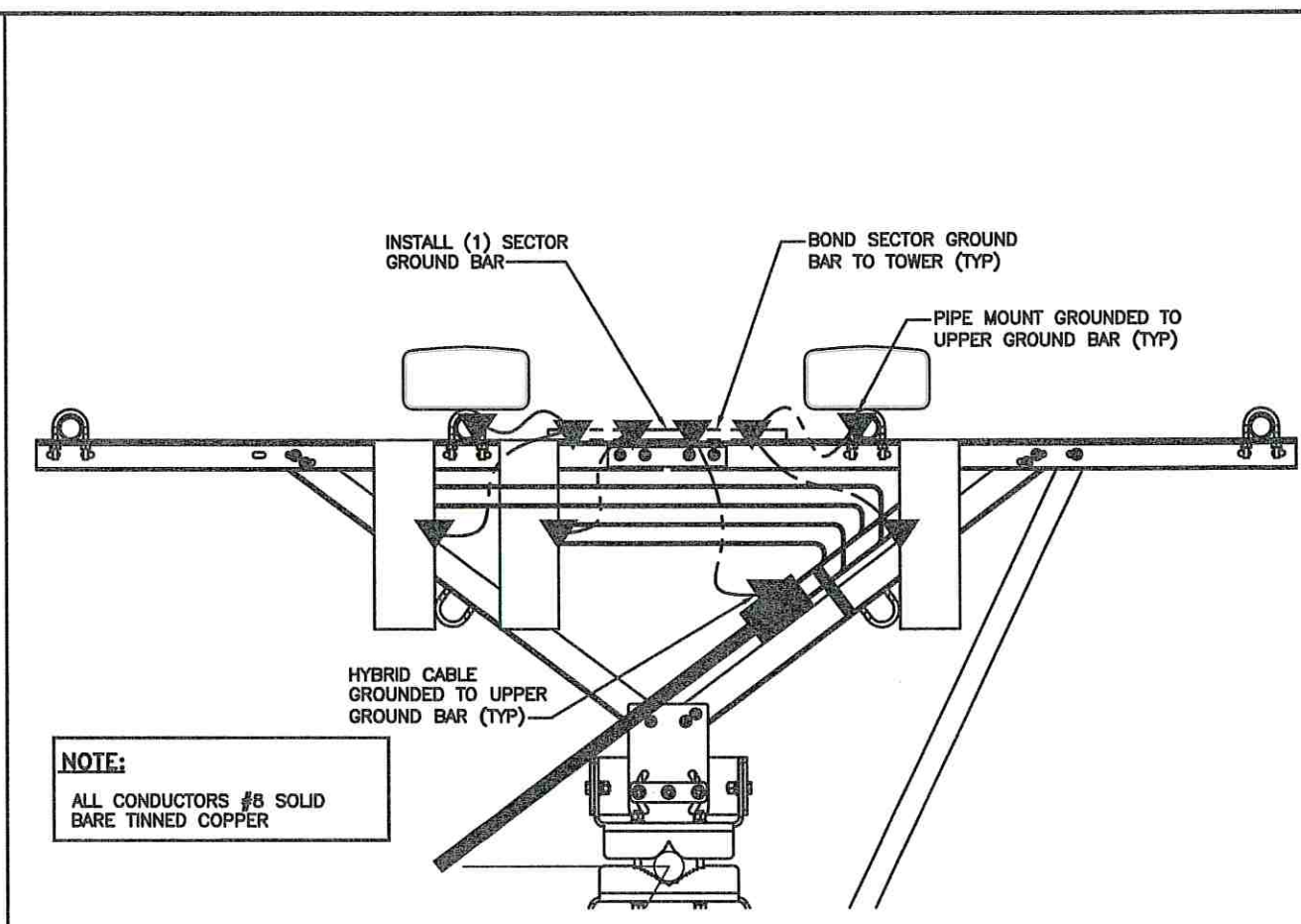
SHEET NUMBER:
E-3



CABLE RUNS UNDER PLATFORM

NO SCALE

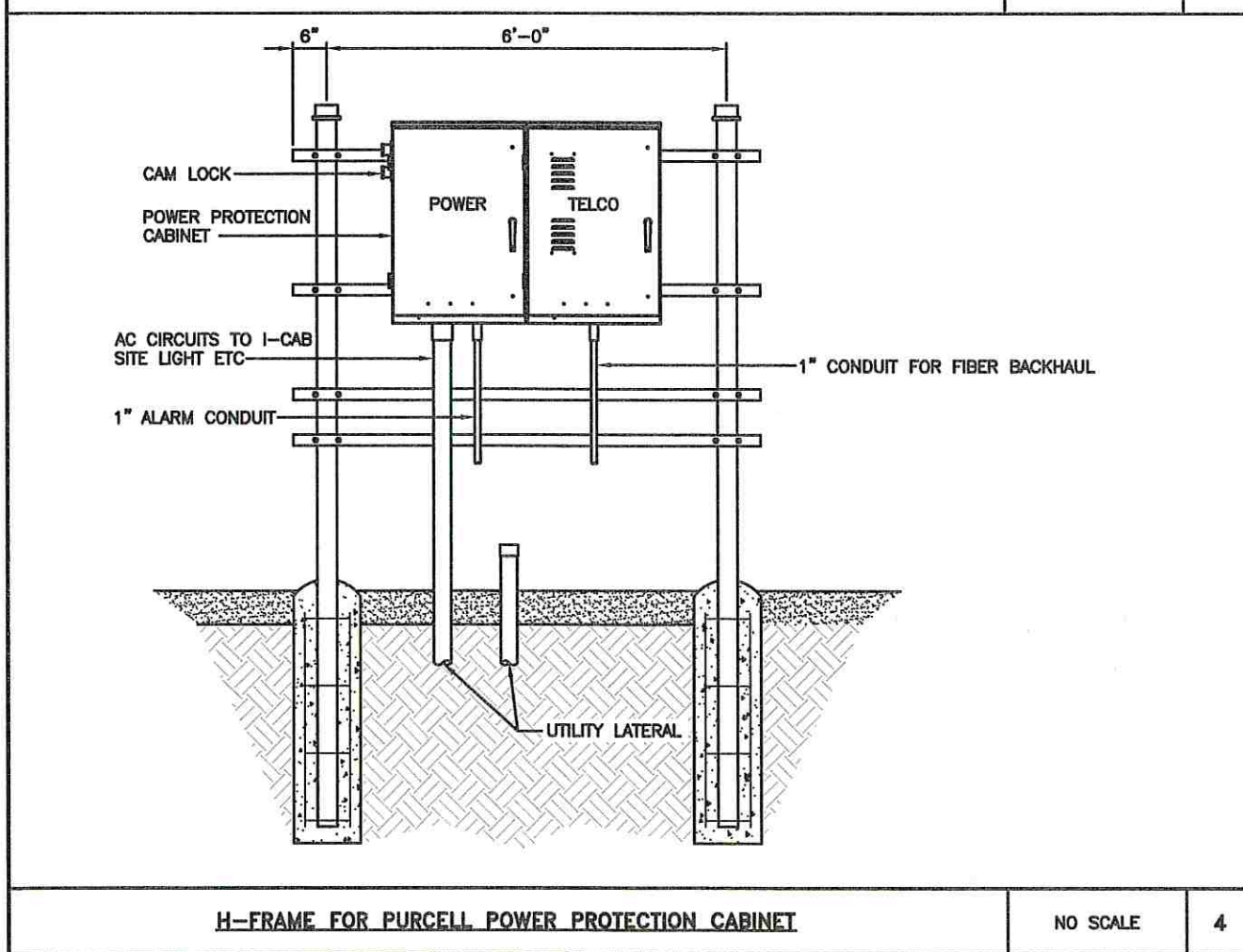
1



ANTENNA GROUNDING PLAN (TYP)

NO SCALE

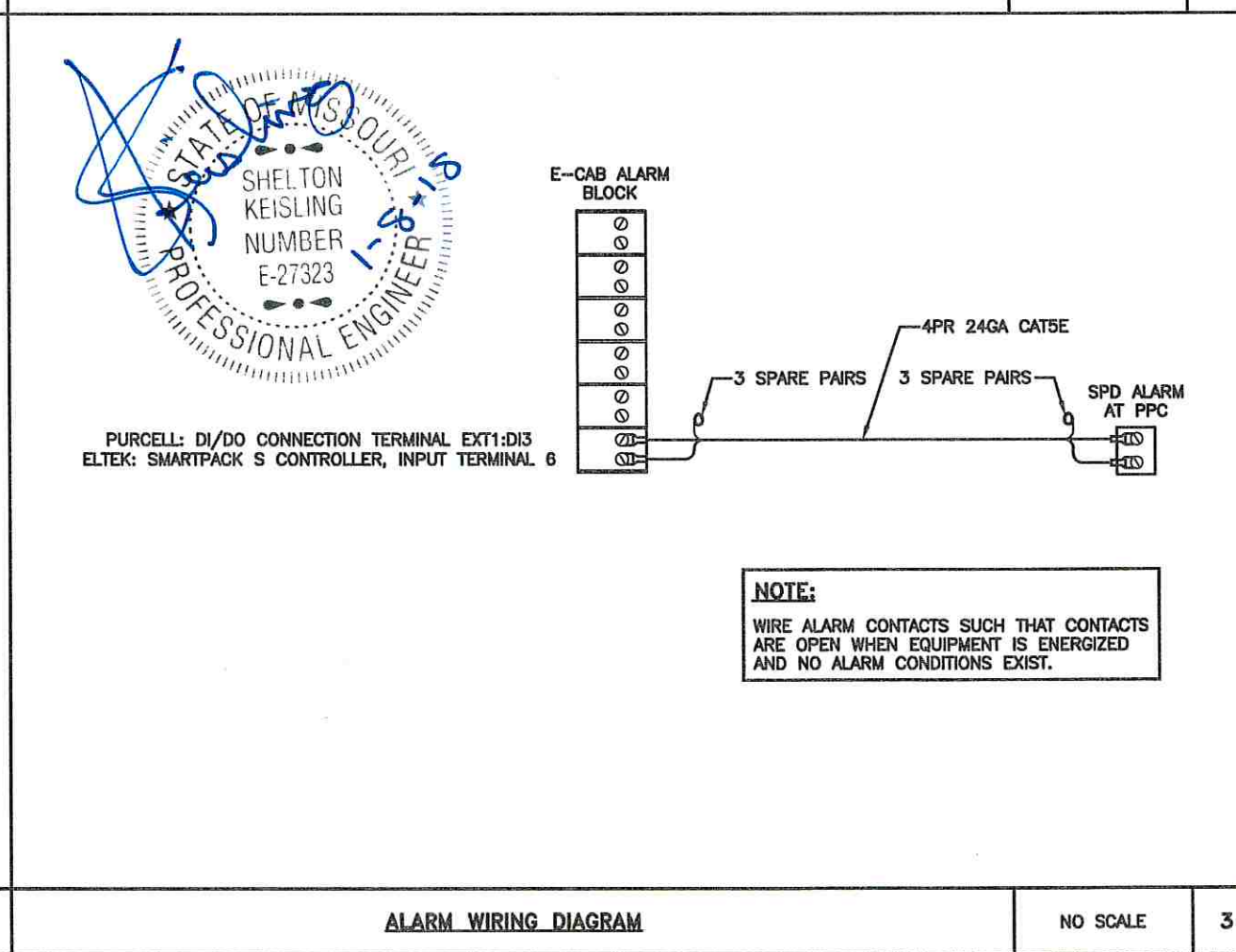
2



H-FRAME FOR PURCELL POWER PROTECTION CABINET

NO SCALE

4



ALARM WIRING DIAGRAM

NO SCALE

3

SITE OWNER:

AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER	PE#	DISCIPLINE
MLO MICHAEL L. OWENS	E-29056	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER CITY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

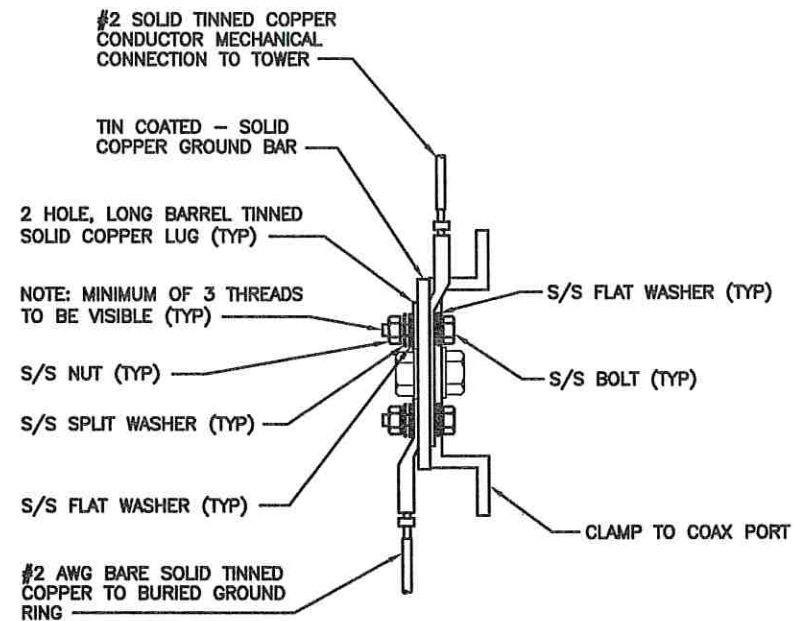
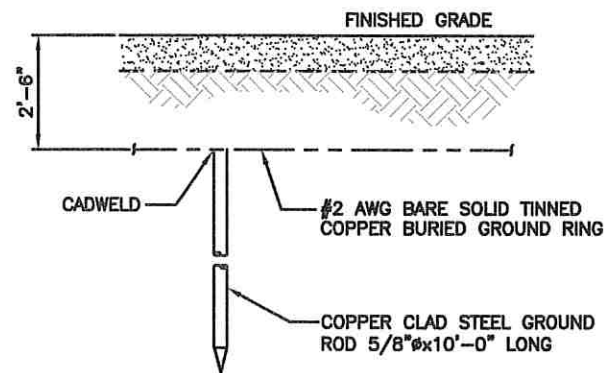
ELECTRICAL DETAILS &
TOWER TOP
GROUNDING PLAN

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

SHEET NUMBER:

E-4



NOTE:

1. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING SPLIT WASHERS.
2. COAT WIRE END WITH ANTI-OXIDATION COMPOUND PRIOR TO INSERTION INTO LUG BARREL AND CRIMPING.
3. APPLY ANTI-OXIDATION COMPOUND BETWEEN ALL LUGS AND BUSS BARS PRIOR TO MATING AND BOLTING. DO NOT COAT ENTIRE BAR

GROUND ROD

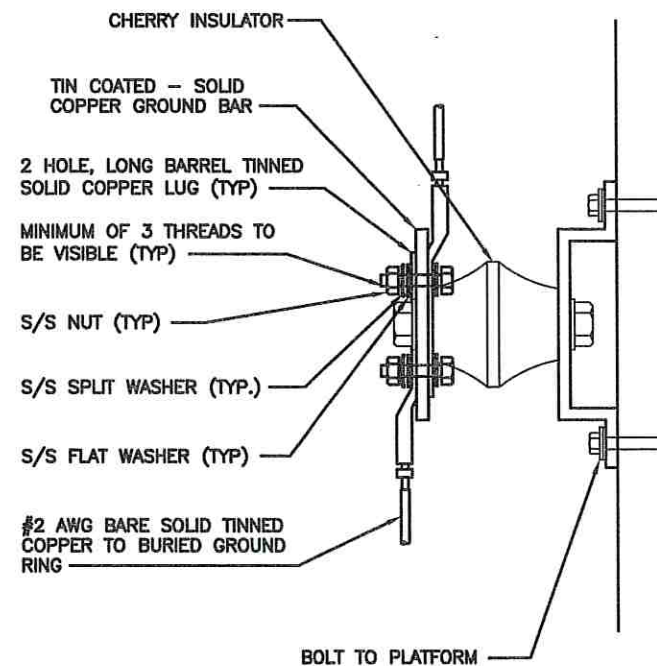
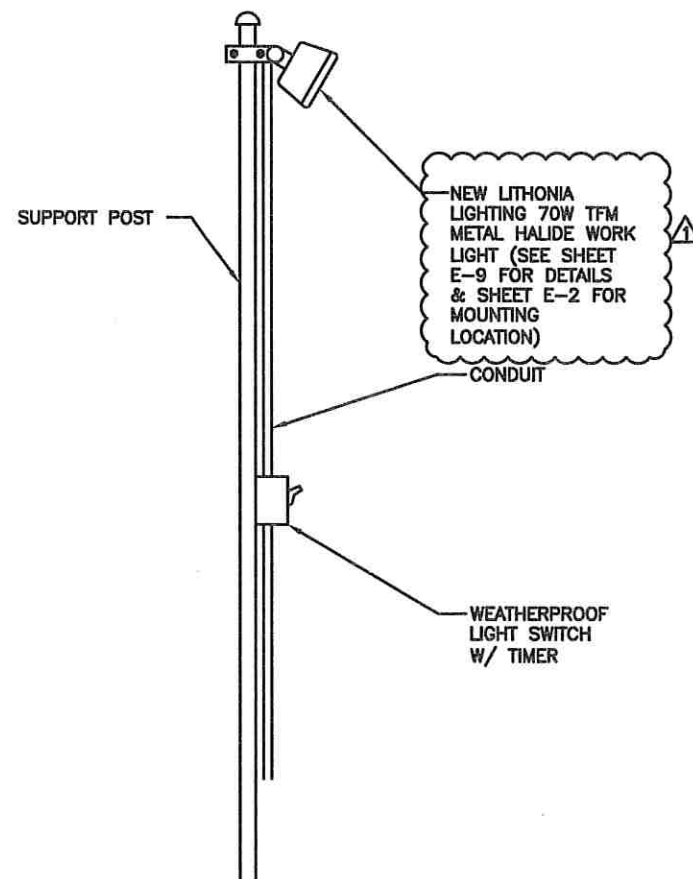
NO SCALE

1

GROUND BAR AT TOWER

NO SCALE

2



NOTE:

1. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING SPLIT WASHERS.
2. COAT WIRE END WITH ANTI-OXIDATION COMPOUND PRIOR TO INSERTION INTO LUG BARREL AND CRIMPING.
3. APPLY ANTI-OXIDATION COMPOUND BETWEEN ALL LUGS AND BUSS BARS PRIOR TO MATING AND BOLTING. DO NOT COAT ENTIRE BAR

WORK LIGHT DETAIL

NO SCALE

4

GROUND BAR AT EQUIPMENT PLATFORM

NO SCALE

3

SITE OWNER:



AMERICAN TOWER®

116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint



PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777



ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#	DISCIPLINE:
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:				
DESCRIPTION	DATE	BY	REV	
ISSUED FOR REVIEW	11/30/17	HEE	A	
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0	
REVISED PER QTY COMMENTS	01/08/18	DCP	1	

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

ELECTRICAL DETAILS

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

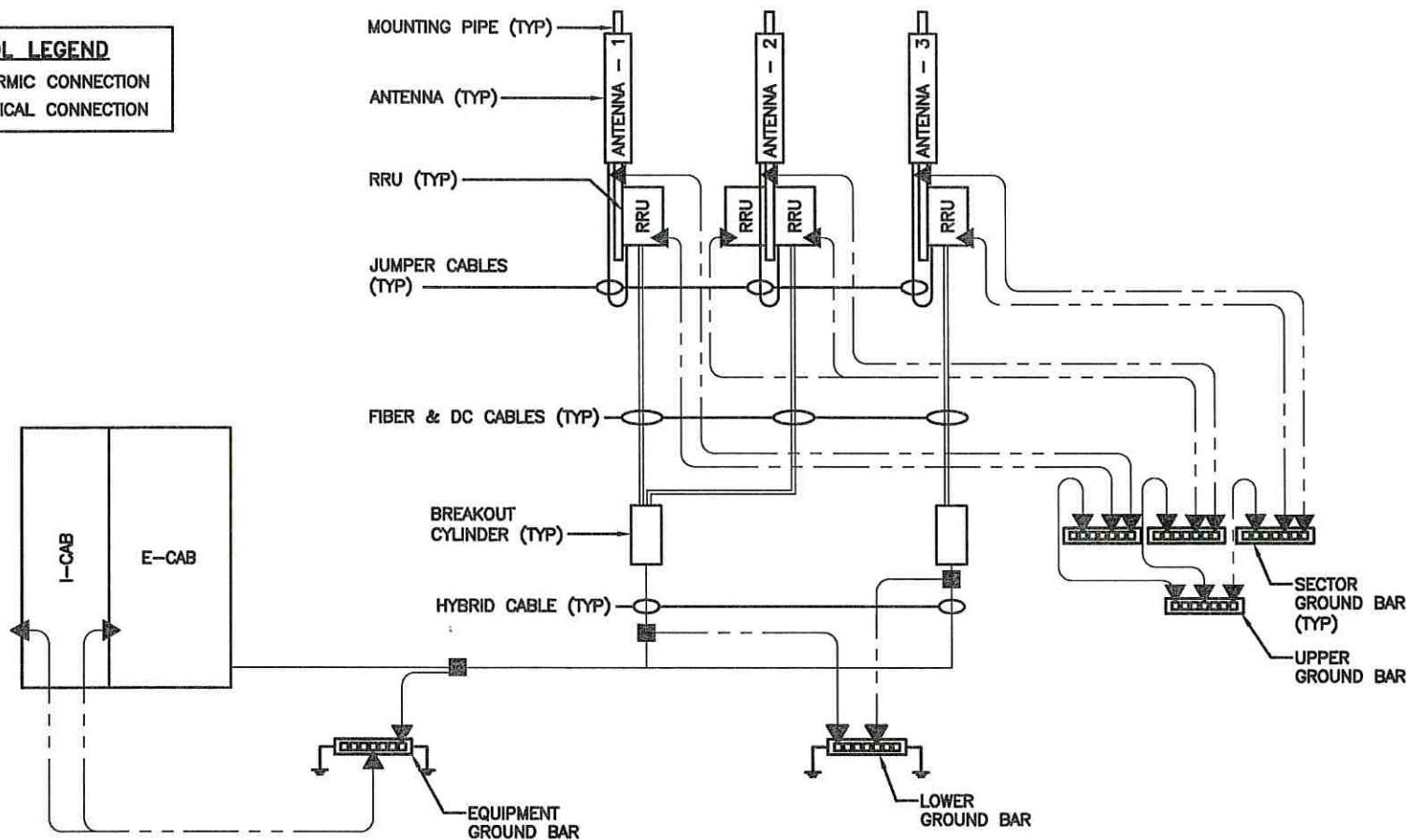
SHEET NUMBER:

E-5

SYMBOL LEGEND

■ EXOTHERMIC CONNECTION

▲ MECHANICAL CONNECTION



GROUNDING RISER DIAGRAM (TYP)

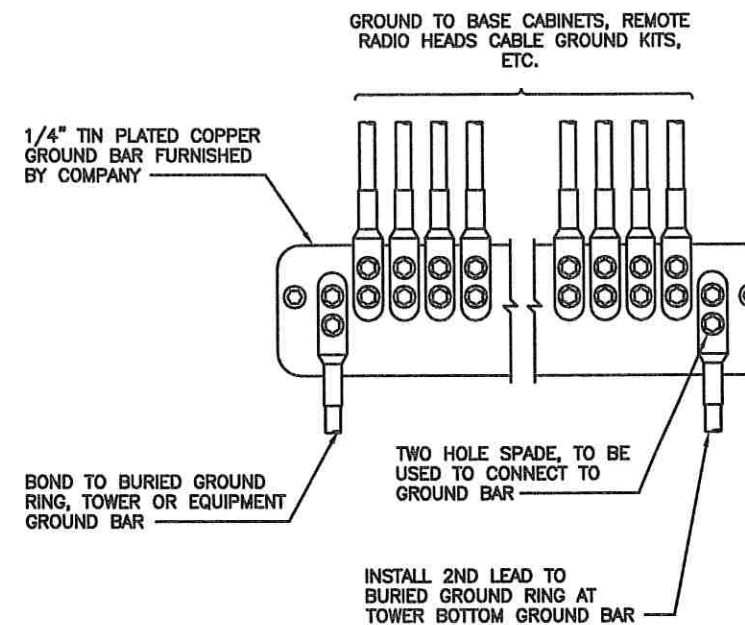
NO SCALE

1

TWO-HOLE SPADE CONNECTIONS

NO SCALE

2

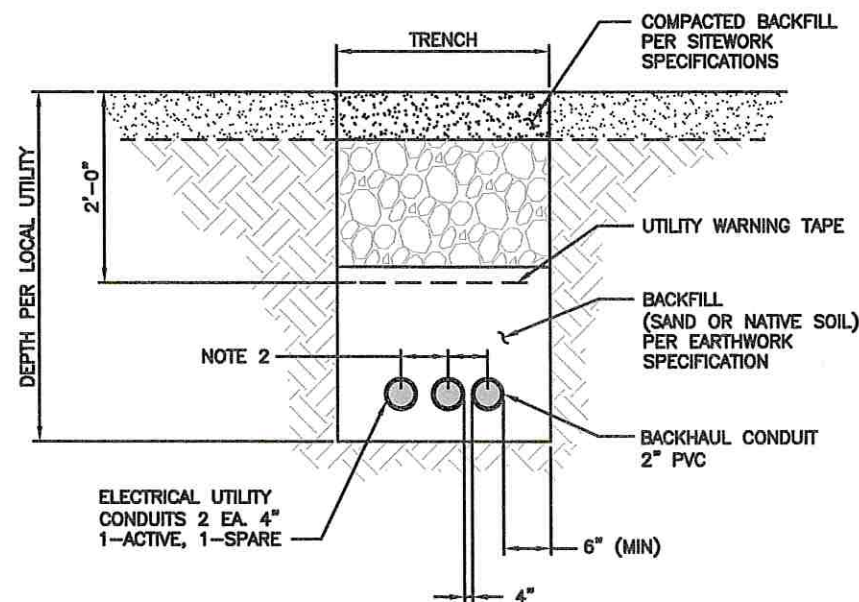


NOTES

1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.

NOTES:

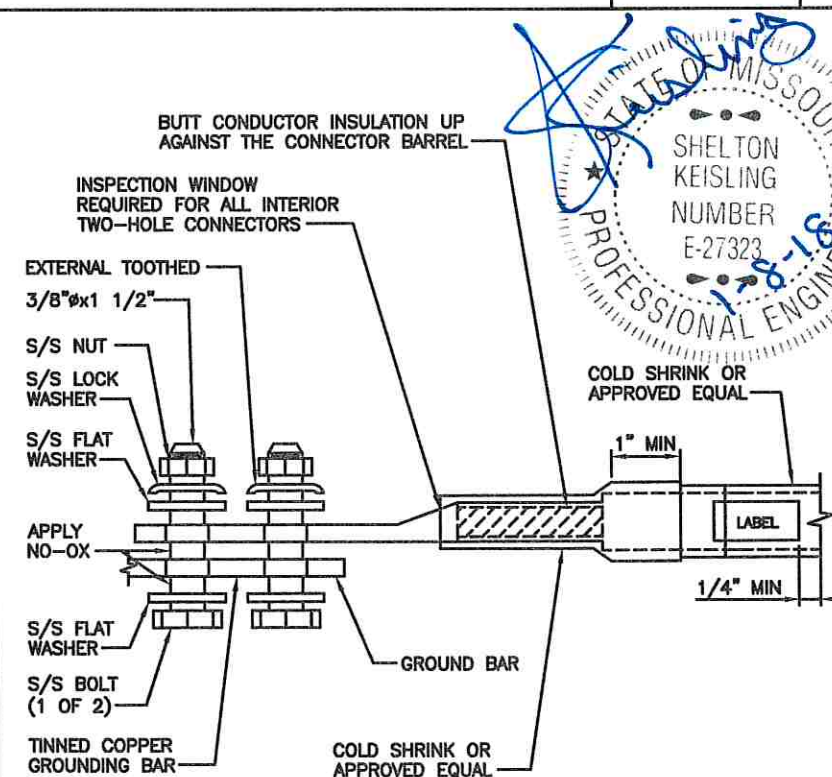
1. PULL BOXES INSTALLED PER NEC
2. CONTRACTOR SHALL RESTORE SURFACES TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION
3. HAND DIG ALL TRENCHES WITH EXISTING COMPOUNDS



CONDUIT TRENCH FOR UTILITIES

NO SCALE

4



TWO-HOLE LUG

NO SCALE

3

SITE OWNER:



AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777



ENGINEERING LICENSE:

STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE#: DISCIPLINE:
MLO MICHAEL L. OWENS E-29056 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21581 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

ELECTRICAL DETAILS

DWG INFORMATION:

DRAWN BY: HEE
CHECKED BY: DCP

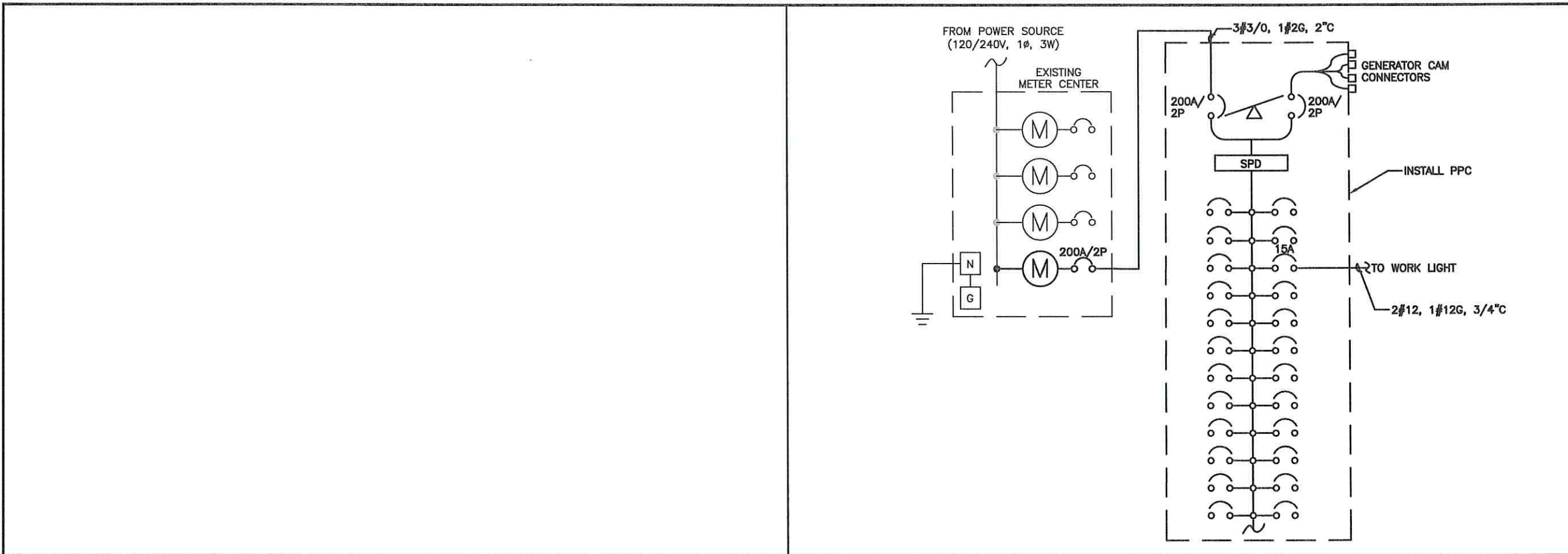
SHEET NUMBER:

E-6

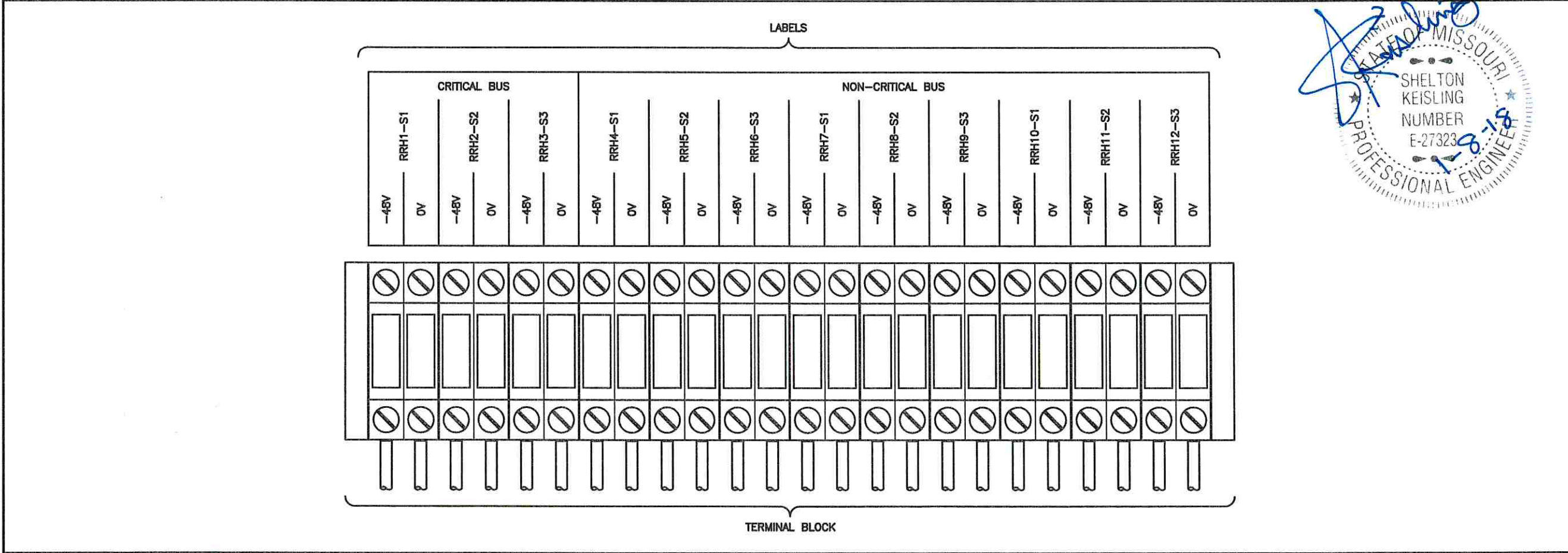
DETAIL NOT USED

NO SCALE

5



DETAIL NOT USED	NO SCALE	1	PURCELL ELECTRICAL ONE-LINE DIAGRAM	NO SCALE	2
-----------------	----------	---	-------------------------------------	----------	---



PURCELL DC DISTRIBUTION	NO SCALE	3
-------------------------	----------	---

SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI

STATE CERTIFICATE OF AUTHORIZATION # EF-2791

ENGINEER:	PE#:	DISCIPLINE:
MLO MICHAEL L. OWENS	E-28058	STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

PURCELL A/C POWER
DISTRIBUTION

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

SHEET NUMBER:

E-7

CIRCUIT					DEVICE		
CRITICAL CKT# ELTEK	CRITICAL CKT# PURCELL	LABEL ID	E* Size(A)	P* Size(A)	ERC Equip ID	STA Equip ID	ALU Equip ID
12	1	RRH1-S1	20	25	1.9 RRU31, SECTOR 1	1.9 RRH-P4, SECTOR 1	1.9 RRH4X45, SECTOR 1
13	2	RRH2-S2	20	25	1.9 RRU31, SECTOR 2	1.9 RRH-P4, SECTOR 2	1.9 RRH4X45, SECTOR 2
14	3	RRH3-S3	20	25	1.9 RRU31, SECTOR 3	1.9 RRH-P4, SECTOR 3	1.9 RRH4X45, SECTOR 3
6	4	Router-A Feed	20	25	Router (901,920,903)	Router (901,920,903)	Router (901,920,903)
7	5	Router-B Feed	20	25	Router (903)	Router (903)	Router (903)
8,15	6	MW-1 (IDU,PoE)	20	10	MW 1 IDU only	MW 1 IDU only	MW 1 IDU only
9,16	7	MW-2 (IDU,PoE)	20	10	MW 2 IDU only	MW 2 IDU only	MW 2 IDU only
10,17	8	MW-3 (IDU,PoE)	20	10	MW 3 IDU only or 1900 DUS+XMU 1900HC	MW 3 IDU only	MW 3 IDU only
11,18	9	MW-4 (IDU,PoE)	20	10	MW 4 IDU only or 1900 DBA2 for High Cap	MW 4 IDU only	MW 4 IDU only
1	10	BBU-1	20	25	1.9 CDMA 6601 (DUS+XMU)	800/1.9 CDMA BBU-Primary	800/1.9 CDMA 9927 BBU- Primary
2	11	BBU-2	20	10	1.9 DBA	800/1.9 CDMA BBU	800/1.9 CDMA 9927 BBU or 1.9/2.5 NSN TDD FSM4 ²
3	12	BBU-3	20	10	1.9 CEEM	800/1.9 FDD BBU	800/1.9 FDD BBU
4	13	BBU-4/FAA LIGHT	20	25	Optional FAA Light	Optional FAA Light	Optional FAA Light
21	14	Ancillary	20	10	Ekinops EDKA	-	-
5	29	Spare/TDD Filter	20	25	TDD Filter-Purcell Only	-	-
19	PB1	Fan 1	20	20	Cabinet Environmental Ctrl (E and B Cab DAC Purcell)		
20	PB2	Fan 2	20	20	Cabinet Environmental Ctrl (Purcell Spare)		

CIRCUIT					DEVICE		
NON-CRITICAL CKT# ELTEK	NON-CRITICAL CKT# PURCELL	LABEL ID	E* Size(A)	P* Size(A)	ERC Equip ID	STA Equip ID	ALU Equip ID
10	15	RRH4-S1	20	25	2.5 RRUS82, SECTOR 1	2.5 RRH-B8, SECTOR 1	2.5 RRH8X20 or FZHN, SECTOR 1
11	16	RRH5-S2	20	25	2.5 RRUS82, SECTOR 2	2.5 RRH-B8, SECTOR 2	2.5 RRH8X20 or FZHN, SECTOR 2
12	17	RRH6-S3	20	25	2.5 RRUS82, SECTOR 3	2.5 RRH-B8, SECTOR 3	2.5 RRH8X20 or FZHN, SECTOR 3
13	18	RRH7-S1	20	25	800 RRUS11, SECTOR 1	800 RRH-C2A, SECTOR 1	800 RRH2X50, SECTOR 1
14	19	RRH8-S2	20	25	800 RRUS11, SECTOR 2	800 RRH-C2A, SECTOR 2	800 RRH2X50, SECTOR 2
15	20	RRH9-S3	20	25	800 RRUS11, SECTOR 3	800 RRH-C2A, SECTOR 3	800 RRH2X50, SECTOR 3
16	21	RRH10-S1	20	25	800 RRUS11-XT4R, SECTOR 1	800 RH-C2A-XT4R, SECTOR 1	800 RRH2X50-XT4R, SECTOR 1
17	22	RRH10-S2	20	25	800 RRUS11-XT4R, SECTOR 2	800 RH-C2A-XT4R, SECTOR 2	800 RRH2X50-XT4R, SECTOR 2
18	23	RRH11-S3	20	25	800 RRUS11-XT4R, SECTOR 3	800 RH-C2A-XT4R, SECTOR 3	800 RRH2X50-XT4R, SECTOR 3
8	24	BBU-5	20	25	2.5 LTE 6601 (DUS+DUS) or FSIH	2.5 TDD BBU	2.5 TDD BBUv2
9	25	Spare	20	10	NSN GPS	-	-
1	26	BBU-7	20	25	800 CDMA 6601 (DUX+XMU)	-	-
2	27	BBU-8	20	25	800 DBA or DBU	-	-
3	28	BBU-6	20	25	2.5 LTE 6601 (DUS+DUS)	-	-
-	30	Spare	-	25		-	-



SITE OWNER:

AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:
6580 Sprint Parkway
Overland Park, Kansas 66251

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:
9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

ENGINEERING LICENSE:
STATE OF MISSOURI
STATE CERTIFICATE OF AUTHORIZATION # EF-2791
ENGINEER: PE#: DISCIPLINE:
MLO MICHAEL L. OWENS E-29058 STRUCTURAL/CIVIL SC
KV KEVIN VANMAELE E-21561 STRUCTURAL/CIVIL SC
REJ ROBERT E. JENSEN E-28974 STRUCTURAL/CIVIL SC
TMS TERRANCE M. SUPER E-18521 ELECTRICAL E
SDK SHELTON D. KEISLING E-27323 ELECTRICAL E

DRAWING NOTICE:
THESE DOCUMENTS ARE CONFIDENTIAL AND
ARE THE SOLE PROPERTY OF SPRINT AND MAY
NOT BE REPRODUCED, DISSEMINATED OR
REDISTRIBUTED WITHOUT THE EXPRESS
WRITTEN CONSENT OF SPRINT.

SUBMITTALS:	DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW		11/30/17	HEE	A
ISSUED FOR CONSTRUCTION		12/07/17	DCP	0
REVISED PER CITY COMMENTS		01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:
LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:
ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:
2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:
CIRCUIT SCHEDULE

DWG INFORMATION:	SHEET NUMBER:
DRAWN BY: HEE CHECKED BY: DCP	E-8



FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for signs, flags, building facades and landscaping.

CONSTRUCTION — Compact NEMA heavy-duty construction. Die-cast aluminum housing & front bezel. Bezel removable via position-oriented hinge-cam design. Lens is thermal and shock-resistant, 1/8" clear tempered glass.

Finish: Standard finish is dark bronze (DOB) corrosion-resistant polyester powder finish with other architectural colors available.

OPTICS — Three distributions from very wide to medium narrow are available. RB and RG reflectors (horizontal lamp) feature one-piece anodized aluminum-faceted parabolic construction (semi-specular or specular) for high performance and efficiency. TA reflectors (vertical lamp) are highly effective die-formed semi-specular aluminum.

ELECTRICAL — Ballast: High Pressure Sodium — Reactor normal power factor ballast is standard for 355, 505 or 705 120V (HX — HPF is optional for 505 or 705 120V only). All other voltages are standard high reactance, high power factor. Metal halide — High reactance, high power factor for 50-100W and standard with pulse start ignitor technology. All ballasts are 100% factory-tested. Electrical components are mounted to the cast aluminum housing, promoting maximum heat dissipation.

Socket: Porcelain, horizontally- or vertically-oriented, medium base socket with copper alloy, nickelplated screw shell with center contact.

INSTALLATION — Die-cast aluminum 1/2" NPSM threaded mounting knuckle is standard. Steel painted mounting yoke is optional.

LISTINGS — UL Listed. CSA or NOM Certified (see Options). UL Listed for wet locations and 25°C ambient temperature. IP65 rated.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.asp

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number	TFM-70M-TA-120-XHP-YK-FV-DGC-LPI
Notes	
Type	



RB, RG



TA

CONTOUR
SERIES

Floodlighting

TFM

METAL HALIDE: 50-100W
HIGH PRESSURE SODIUM: 35-150W

Specifications

Height (includes knuckle):

10-5/8 (26.9)

Width: 10-5/8 (26.9)

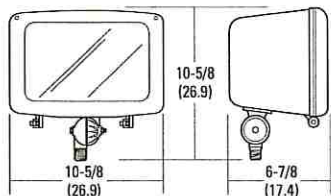
Depth: 6-7/8 (17.5)

*Weight: 14.05 lbs (6.37kg)

EPA: 0.5 ft²

*Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

For shortest lead times, configure product using **standard options** (shown in bold).

Example: TFM 100M RB TB LPI

TFM	Series	Wattage	Distribution	Voltage	Ballast	Mounting	Options	Finish ¹⁰	Lamp ¹²
TFM	Metal halide	70M	TA (7 X 6)	120	(blank) Magnetic ballast	Shipped installed (blank) Knuckle	SF Single fuse (120, 277, 347V) ⁸	(blank) Dark bronze	LPI Lamp included
		100M	RB (6 X 6)	208 ³	CWI Constant wattage isolated ⁴	YK Yoke mounting	DF Double fuse (208, 240, 480V) ⁸	DNA Natural aluminum	L/LP Less lamp
	Ceramic metal halide		RG (3 X 3)	240 ³		Shipped separately ⁷	PE Photocell	DBL Black	
	70MHC			277	XHP High-reactance HPF ballast ⁶	TFMTS Tenon slip-fitter (2-3/8" OD tenon)	C62 2' 16-3 SEO cord prewired	DMB Medium bronze	
	100MHC			347			C42 2' 14-3 SEO cord prewired	DGC Charcoal gray	
	High pressure sodium			480 ³			C22 2' 12-3 SEO cord prewired	DSS Sandstone	
	355 ¹			23050HZ ⁵			CSA CSA Certified	DWH White	
	505 ²						NOM NOM Certified ⁵	CRT Non-stick protective coating ¹¹	
	705 ²						Shipped separately ^{7,9}	Super durable finishes	
	100S						WG Wire guard	DOBXD Dark bronze	
	150S						VG Vandal guard	DBLXD Black	
							UV Upper visor	DNAXD Natural aluminum	
							FV Full visor	DWHXD White	
								DOBXTD Textured dark bronze	
								DBLXTD Textured black	
								DNATXD Textured natural aluminum	
								DWHGXD Textured white	

Notes

- 355 is available only with 120V. Not available with XHP.
- High reactance, HPF ballast (XHP) is available with 505 or 705, 120V only.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.
- Consult factory for available wattages.
- XHP is available with 505 or 705, 120V only.

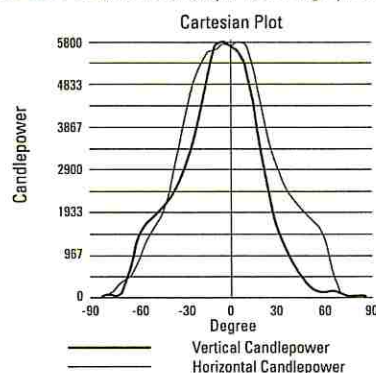
- May be ordered as an accessory. Must specify finish when ordered as an accessory.
- Must specify voltage. Not available with TB, or with TA distribution.
- Prefix with TFM when ordered as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Black finish only.
- Must be specified. L/LP not available with MHC.

OUTDOOR

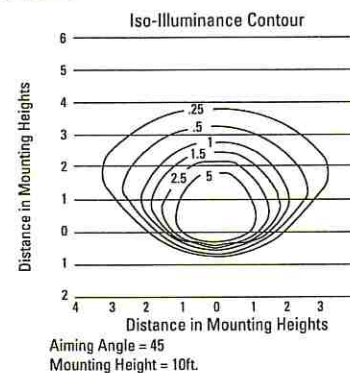
TFM-M-S

TFM Floodlight

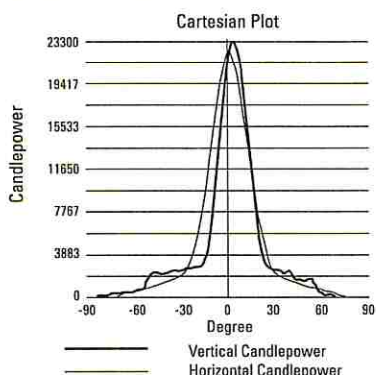
TFM 150S TA, (vertical lamp), 150W high pressure sodium lamp, 15800 rated lumens, test no. 98061202



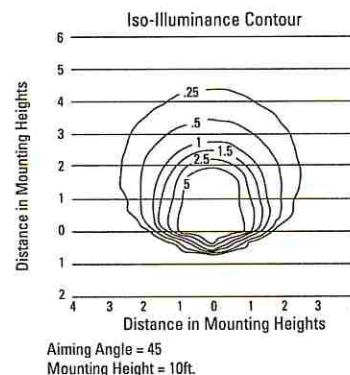
Nema type: 7H x 6V
Beam spread: 131 H x 103V
Beam efficiency 10%: 48.2%
Beam flux 10% (lumens): 7622
Maximum candela: 5800



TFM 150S RG, (vertical lamp), 150W high pressure sodium lamp, 16000 rated lumens, test no. 97060903.



Nema type: 4H x 4V
Beam spread: 57 H x 70V
Beam efficiency 10%: 35.0%
Beam flux 10% (lumens): 5604
Maximum candela: 23300



Notes

- Photometric data for other distributions can be accessed at www.lithonia.com.
- Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet based on the most current available data and are subject to change without notice.
- For electrical characteristics, consult outdoor technical data specification sheets on www.lithonia.com.

Mounting Height Correction Factor

(Multiply the ft level by the correction factor)

10' mounting height	20' mounting height
15 ft. = .44	10 ft. = .4
20 ft. = .25	15 ft. = 1.78
25 ft. = .16	25 ft. = .64

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

LITHONIA LIGHTING
An AcuityBrands Company

OUTDOOR: One Lithonia Way, Conyers, GA 30012 Phone: 800-279-8041 www.lithonia.com

© 1997-2017 Acuity Brands Lighting, Inc. All rights reserved. Rev. 02/09/17

SITE OWNER:



AMERICAN TOWER®
116 HUNTINGTON AVE, 11TH FLOOR
BOSTON, MASSACHUSETTS 02116

APPLICANT:

6580 Sprint Parkway
Overland Park, Kansas 66251

Sprint

PLANS PREPARED FOR:

PYRAMID
Network Services, LLC

PLANS PREPARED BY:

9900 West 109th Street, Suite 300
Overland Park, Kansas 66210
Phone: 913-438-7700
Fax: 913-438-7777

SSC

ENGINEERING LICENSE:

STATE OF MISSOURI	ENGINEER	PE#	DISCIPLINE
MLO MICHAEL L. OWENS	E-29058	STRUCTURAL/CIVIL	SC
KV KEVIN VANMAELE	E-21561	STRUCTURAL/CIVIL	SC
REJ ROBERT E. JENSEN	E-28974	STRUCTURAL/CIVIL	SC
TMS TERRANCE M. SUPER	E-18521	ELECTRICAL	E
SDK SHELTON D. KEISLING	E-27323	ELECTRICAL	E

DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

SUBMITTALS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR REVIEW	11/30/17	HEE	A
ISSUED FOR CONSTRUCTION	12/07/17	DCP	0
REVISED PER CITY COMMENTS	01/08/18	DCP	1

MLA SITE NAME & SITE NUMBER:

LEE S SUMMIT #1B
36075

APPLICANT SITE NAME & SITE CASCADE:

ATC#36075 LOWENSTEIN
KC25XC198

SITE ADDRESS:

2200 LOWENSTEIN
LEES SUMMIT, MISSOURI
64081

SHEET DESCRIPTION:

WORK LIGHT SPECIFICATIONS

DWG INFORMATION:

DRAWN BY:	HEE
CHECKED BY:	DCP

SHEET NUMBER:

E-9