Verizon

SITE NAME: **CSP BARRETT**

PROJECT ID: 17072981

PROJECT: **MW UPGRADE**

SITE ADDRESS: 15741 PHANTOM CANYON VIEW

COLORADO SPRINGS, CO 80926

COUNTY: **EL PASO**

JURISDICTION: EL PASO COUNTY

DRAWING INDEX SHEET DESCRIPTION REV SHEET NO. TITLE SHEET 0 T-1 GENERAL NOTES & SITE IMAGES EXISTING SITE PLAN A-1 0 A-2 NEW SITE PLAN 0 A-3 ELEVATIONS 0 A-4 **EXISTING & NEW MICROWAVE PLANS** 0 D-1 0 D-2 MICROWAVE SPECIFICATIONS D-3 HYBRID CABLE SPECIFICATIONS 0

NEW SITE ELEVATION

LOCATION MAP

ROM 10000 PARK MEADOWS DR (VERIZON OFFICE), HEAD NORTHWEST TOWARD PARK MEADOWS DR (128FT) TURN RIGHT TOWARD PARK MEADOWS DR (151FT) turn right onto park meadows dr (1.3mi) use the middle lane to turn left onto lincoln avè (0.2mi) use the right lane to merge onto 1-25's via the RAMP TO COLO SPGS (0.MI) MERGE ONTO I-25 S (52.5MI) USE THE 2ND FROM THE RIGHT LANE TO TAKE EXIT 140 FOR TEJON ST (0.3MI) CONTINUE STRAIGHT (0.1) TURN RIGHT ONTO CO-115 \$ (15.3MI) TURN RIGHT ONTO TURKEY CANYON RANCH RD (1.4MI) TURN LEFT ONTO HENRY RIDE HEIGHTS/HENRY RIDE HEITH'S RD (0.5MI) TÜRN RIGHT ONTO HENRY RIDE HEIGHTS (0.7MI) TURN RIGHT TO STAY ON HENRY RIDE HEIGHTS (1.3MI) TURN RIGHT TO STAY ON HENRY RIDE HEIGHTS (0.7MI) TURN RIGHT ONTO PHANTOM CANYON VIEW (0.6MI) DESTINATION WILL BE ON THE RIGHT

REFERENCE DOCUMENTS

RFDS DATED: 05/24/2024

STRUCTURAL ANALYSIS DATED: 07/11/2024

SITE INFORMATION

AREA OF CONSTRUCTION: EXISTING 125'-0" SELF SUPPORT TOWER

ATITUDE: 38° 36' 45.11"N

ONGITUDE 104° 56' 6.38"W

AT/I ONG TYPE NAD83

CURRENT ZONING: FORESTRY/OPEN

STRUCTURE HEIGHT:

ADA COMPLIANCE: THIS FACILITY IS UNMANNED & NOT FOR HUMAN

Add:

OCCUPANCY:

- Legal description
- Lot/parcel size
- Signature block for Planning and Community Development approval a minimum of 1 inch by 2 inches

Rural Residential

(RR-5)

APPLICABLE CODES

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 OF EAGLE COUNTY. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES

FUEL GAS PLLIMBING ENERGY

2015 INTERNATIONAL BUILDING CODE (IBC) 2015 INTERNATIONAL EXISTING BUILDING CODE(IEBC) 2015 INTERNATIONAL MECHANICAL CODE (IMC) 2015 INTERNATIONAL FUEL GAS CODE (IEGC) 2015 INTERNATIONAL PLUMBING CODE (IPC) 2015 INTERNATIONAL PLOMBING CODE (IPC)
2020 NATIONAL ELECTRICAL CODE (NEC)
2015 INTERNATIONAL FIRE CODE (IFC)
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

STEEL ANTENNA
TOWERS & SUPPORTS ANSI/TIA/EIA-222 LATEST EDITION

THE LITH ITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/ SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIEY ALL TIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING HE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE

TO REPAIR/REPLACE TO OWNER'S SATISFACTION





PROJECT DESCRIPTION

REMOVAL

ONE (1) EXISTING RES E105 WAVEGUIDE

THIS PROJECT CONSISTS OF THE FOLLOWING:

- ONE (1) EXISTING RFS SUX4-107 ANTENNA AND MOUNT
- EXISTING IRU600 RADIOS & INUE SHELF

INSTALLATION

- ONE (1) NEW COMMSCOPE 6' USX6-11W MICROWAVE DISH
- ONE (1) NEW SITEPRO1 R6 MICROWAVE DISH MOUNT
- TWO (2) NEW AVIAT WTM4100 RRH UNITS WITH REMOTE MOUNT BRACKETS TWO (2) NEW HYBRID FIBER/POWER CABLES FOR WTM4100 RADIOS
- ONE (1) NEW CTR-8740 ROUTER

10000 PARK MEADOWS DRIVE, SUITE 300 LONE TREE, CO 80124-5453



7093 SILVERHORN DRIVE EVERGREEN | CO | 80439 (720) 261-2064

| REV | DATE | DESCRIPTION | CHR |
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APPROVED FOR CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTIO OF A LICENSED PROFESSIONAL ENGINEER,

SITE NAME **CSP BARRETT**

15741 PHANTOM CANYON COLORADO SPRINGS, CO 80926

MW UPGRADE (EXISTING COMMUNICATIONS SITE

TITLE SHEET

Sheet number

T-1

PROJECT TEAM

10000 PARK MEADOWS DRIVE, SUITE 300 LONE TREE, CO 80124-5453

PROPERTY OWNER:
COCONUT TELEGRAPH COMMUNICATIONS
MARK MORLEY 20 BOULDER CRESCENT, 2ND FLOOR COLORADO SPRINGS, CO 80903

CONSTRUCTION ENGINEER: VERIZON WIRELESS ROBERT PRINDLE 208-830-9061 10000 PARK MEADOWS DRIVE, SUITE 300 LONE TREE, CO 80124-5453

ENGINEER/DESIGNER: RETHERFORD ENTERPRISES, INC AARON ZAJICEK 720-371-3327 7093 SILVERHORN DR EVERGREEN, CO 80439

RETHERFORD ENTERPRISES, INC. RACHEL LONG 720-581-1940 RACHELLI ONG@RETHEREORDENTERPRISES COM

GENERAL PROJECT NOTES

- CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO
 PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL
 TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS
 CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
- 2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
- 4. EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY THIS CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- 5. CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADING ELEVATIONS AS NECESSARY TO ENSURE A SITE FREE OF DRAINAGE PROBLEMS.
- 6. CONTRACTOR SHALL COORDINATE A CONSTRUCTION LAYDOWN AREA WITH THE PROPERTY OWNER. CONSTRUCTION LAYDOWN AREA SHALL BE FENCED-IN WITH TEMPORARY (45 DAY) CONSTRUCTION FENCE. THE TEMPORARY FENCE SHALL BE CONSTRUCTED OF 6' HIGH CHAIN LINK FABRIC AND IS TO BE REMOVED AT THE END OF CONSTRUCTION. LAYDOWN AREA IS TO BE RESTORED TO ITS ORIGINAL CONDITION AFTER FENCE REMOVAL.
- 7. SURVEY INFORMATION SHOWN WAS CREATED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A LEGAL BOUNDARY SURVEY.
- THESE PLANS DO NOT ADDRESS THE SAFETY AND STABILITY OF THE STRUCTURE DURING ASSEMBLY AND ERECTION, WHICH ARE THE RESPONSIBILITY OF THE ERECTOR, BASED ON THE MEANS AND METHODS CHOSEN BY THE ERECTOR.

GENERAL CONTRACTOR NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PROJECT SCOPE OF WORK DEFINED UNDER THE REQUEST FOR PROPOSAL (RFP) FOR THIS PROJECT AND ALL ASSOCIATED ATTACHMENTS AND DOCUMENTS PROVIDED. THE RFP AND ALL ASSOCIATED DOCUMENTS SHALL DEFINE THE COMPLETE PROJECT SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL DOCUMENTS AND IS SOLELY RESPONSIBLE FOR ALL WORK. ALL DOCUMENTS INCLUDED WITHIN THE PROJECT REQUEST FOR PROPOSAL ARE REQUIRED FOR THE COMPLETE PROJECT SCOPE O WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK (EQUIPMENT, MATERIAL, INSTALLATION, TESTING, ETC.) INDICATED IN ALL DOCUMENTS. THE RFP, VERIZON NETWORK STANDARDS AND PROJECT ADDENDUMS AND CLARIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. THE FORMAT OF THE SPECIFICATIONS AND DRAWING NUMBERING PER DISCIPLINE IS NOT Intended to Imply segregation of Sub Contractor Work. Contractor shall assign all SUB CONTRACTOR WORK AND VERIZON WILL NOT ACCEPT ANY CHANGE ORDERS FOR INTERNAL CONTRACTOR WORK ASSIGNMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING ALL RFF DOCUMENTS TO THEIR SUB CONTRACTORS. ALL RFP DOCUMENTS ARE REQUIRED TO INDICATE THE PROJECT SCOPE OF WORK. PARTIAL SUB CONTRACTOR DOCUMENT PACKAGES ARE HIGHLY DISCOURAGED. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, VERIZON STANDARDS, OR AGREEMENT TERMS AND CONDITIONS THE ARCHITECT/ ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE DETAILED AND EXTENSIVE INTERPRETATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECT/ ENGINEER INTERPRETATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO VERIZON
- ALL ANTENNAS MUST BE PIM TESTED WITHIN 48 HOURS OF THEM BEING RECEIVED BY THE INSTALLATION CONTRACTOR. THOSE RESULTS MUST BE SENT BACK TO THE VERIZON CONSTRUCTION ENGINEER AND EQUIPMENT ENGINEER WITHIN THE SAME 48 HOURS. IF YOU MISS THE 48HR TIMELINE AND THE ANTENNAS DO NOT PASS UPON INSTALLATION, YOUR COMPANY WILL BE CHARGED FOR THE COST OF THE ANTENNAS FOR REPLACEMENT.
- ALL LOADS MUST BE SECURED PROPERLY TO THE VEHICLE OR TRAILER. VERIZON WILL PASS ALONG THE COST OF ANY REPLACEMENTS DUE TO DAMAGE OR LOSS WHETHER IT IS NEW OR USED.
- 4. GENERAL CONTRACTORS & SUBCONTRACTORS SHALL VERIFY EXISTING CONDITIONS ON THE JOB SITE ALONG WITH ALL PLANS & DIMENSIONS. NOTIFY THE ENGINEER OF RECORD OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- DRAWINGS ARE TO SCALE WHEN PLOTTED ON 11"X17" SHEET. USE DIMENSIONS SHOWN DO NOT SCALE DRAWING. CONTACT RETHERFORD ENTERPRISES, INC. FOR FURTHER INFORMATION.
- 6. CALL BEFORE YOU DIG. COLORADO LAW REQUIRES 2 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE. CALL 811 OR COLORADO811.ORG SEE THE EXCAVATOR HANDBOOK FOR MORE INFORMATION
- THESE DRAWINGS MAY NOT SHOW ALL UNDERGROUND/BUILDING PIPING & UTILITIES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING ALL EXCAVATION & OTHER CONSTRUCTION ACTIVITIES.

ANTENNA, MOUNTS & HARDWARE INSTALLATION NOTES

- CONTRACTOR TO INSTALL ANTENNAS, MOUNTS AND TOWER HARDWARE PER MANUFACTURER'S RECOMMENDATIONS (OR AS REQUIRED BY THE OWNER/PROVIDER).
- 2. ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS.
- 3. ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.
- 4. ANTENNA MOUNTS SHALL NOT BE USED AS A CLIMBING DEVICE. WORKERS SHALL ALWAYS TIE OFF TO AN APPROVED CLIMBING POINT.

MAIN OVP & RRH INSTALLATION NOTES

- CONTRACTOR TO INSTALL MAIN OVP, REMOTE RADIO HEADS, TOWER MOUNTED AMPLIFIERS, AND/OR DIPLEXERS PER MANUFACTURER'S RECOMMENDATIONS.
- 2. ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS
- ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.

COAX PORT NOTES

- . REQUIRED ADDITIONAL COAX PORTS TO BE ADDED AS NEEDED BY CONTRACTOR.
- 2. ANY ADDITIONAL COAX PORTS TO BE INSTALLED BELOW THE EXISTING, WHERE POSSIBLE
- 3. CONTRACTOR TO INVESTIGATE INTERIOR OF SHELTER/EQUIPMENT ROOM FOR CLEAREST PENETRATION POINT
- 4. ADDITIONAL COAX PORTS TO BE INSTALLED PER INDUSTRY STANDARDS





7093 SILVERHORN DRIVE EVERGREEN | CO | 80439 (720) 261-2064

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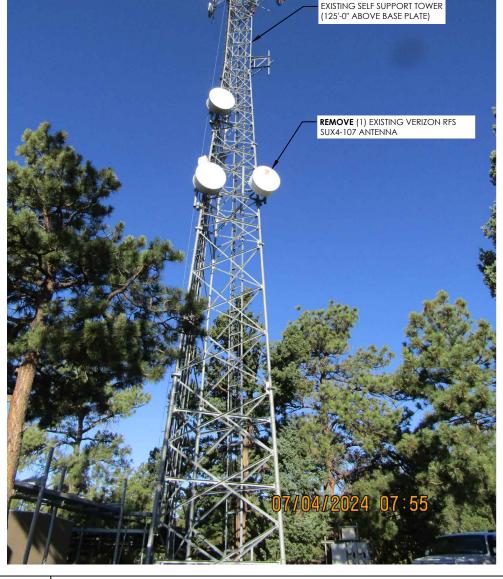
MW UPGRADE (EXISTING COMMUNICATIONS SITE)

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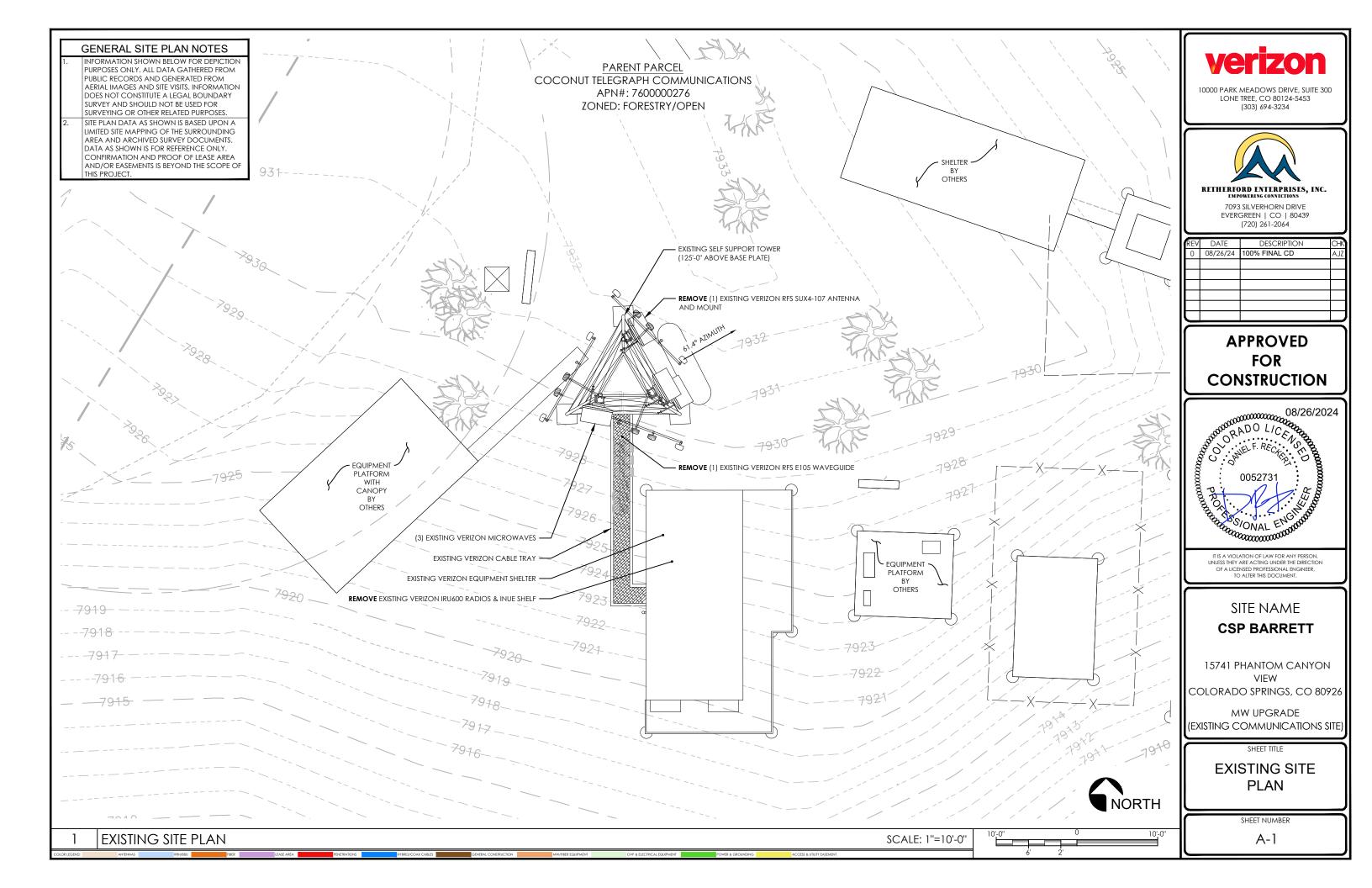
GENERAL NOTES & SITE IMAGES

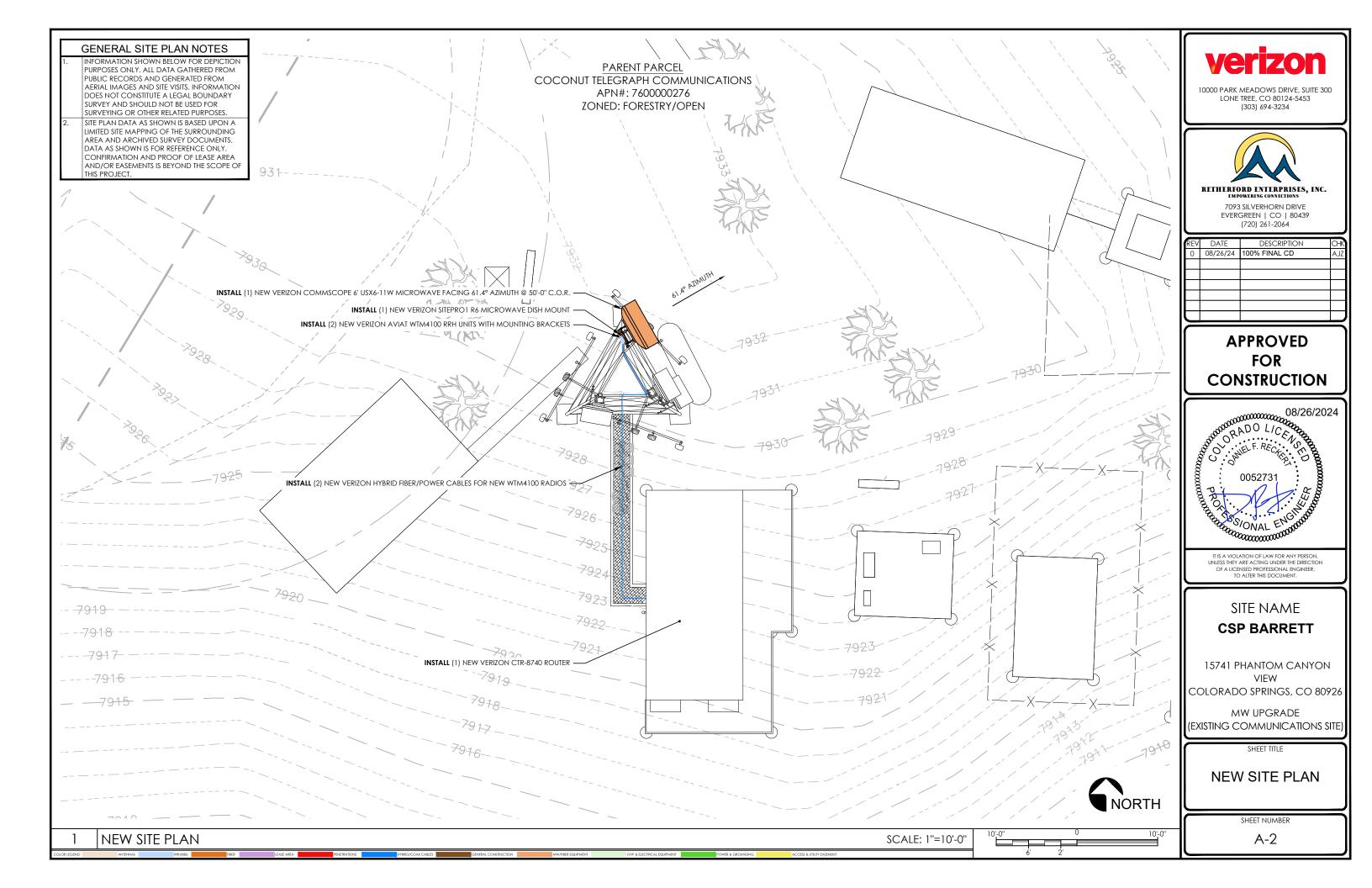
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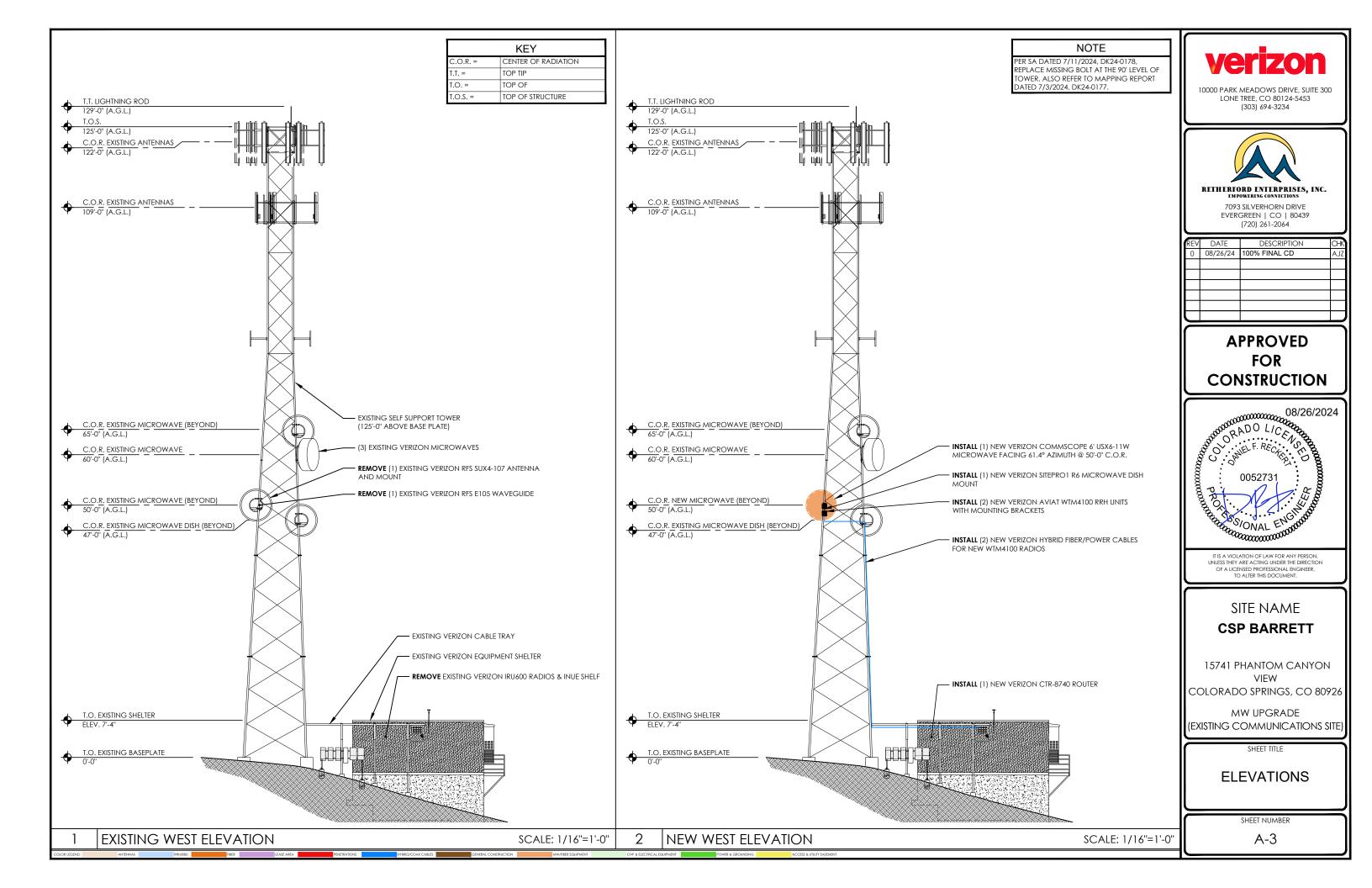
G-1



VIEW OF EXISTING SELF SUPPORT TOWER (LOOKING NORTH)



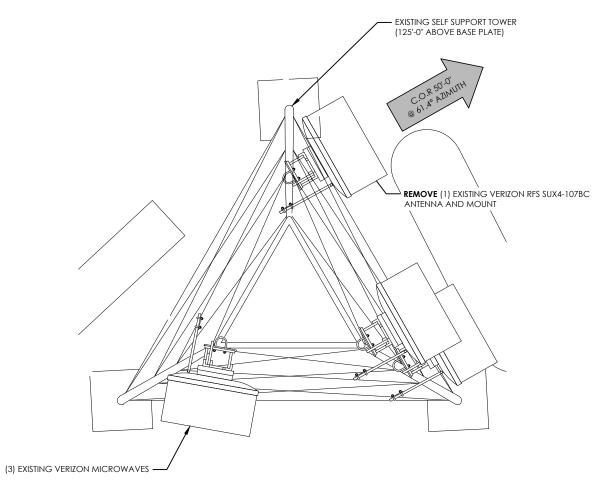




| EXISTING MICROWAVE SCHEDULE | | | | | |
|-----------------------------|---------|----------|---------------------|----------------|--------|
| C.O.R. | AZIMUTH | QUANTITY | ANTENNA MAKE/MODEL | MOUNT TYPE | NOTES |
| 65'-0'' | - | 1 | ANDREW D4G-2-GR | 6' PIPE X 4.5" | REMAIN |
| 60'-0'' | - | 1 | COMMSCOPE VHLPX4-11 | 6' PIPE X 4.5" | REMAIN |
| 50'-0" | 61.4° | 1 | RFS SUX4-107BC | 5' PIPE X 4.5" | REMOVE |
| 47'-0'' | - | 1 | ANDREW D4G-2-GR | 6' PIPE X 4.5" | REMAIN |

NOTICE

CONTRACTOR SHALL NOT SUBMIT BIDS OR PERFORM CONSTRUCTION WORK ON THIS PROJECT WITHOUT ACCESS TO THE CURRENT COMPLETE SET OF DRAWINGS LISTED IN THE TITLE-SHEET INDEX.



EXISTING MICROWAVE @ 50'-0"

| NEW MICROWAVE SCHEDULE | | | | |
|------------------------|---------|------------|--|----------------|
| C.O.R. | AZIMUTH | QUANTITY | ANTENNA MAKE/MODEL | PART NUMBER(S) |
| 50'-0" | 61.4° | 1 (NEW) | COMMSCOPE 6 FT SENTINEL® ULTRA HIGH PERFORMANCE, SUPER HIGH XPD ANTENNA, DUAL-POLARIZED, 10.000 – 11.700 GHZ | USX6-11W |
| 50'-0" | - | 1 (NEW) | SITEPRO1 HEAVY DUTY UNIVERSAL PIPE MOUNT KIT WITH 4-1/2" PIPE | R6 |

NOTICE

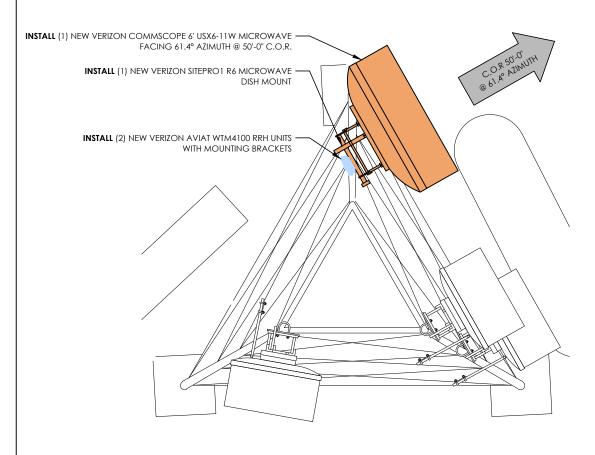
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GROUNDING NOTE

ALL NEW EQUIPMENT & COAX TO BE GROUNDED PER VERIZON GROUNDING SPECS

GENERAL ANTENNA NOTES

- CONTRACTOR TO VERIFY MECHANICAL DOWNTILT WITH FINAL RFDS/RF ENGINEER.
- DUAL POLAR ANTENNAS REQUIRE TWO RUNS OF COAX PER ANTENNA.
- CONTRACTOR TO VERIFY ALL ACTUAL LENGTHS IN FIELD PRIOR TO INSTALLATION AND NOTIFY THE FIELD ENGINEER FOR VERIFICATION OF SIZES OF CABLES.
- CONTRACTOR TO PROVIDE AS BUILT FOR THE LENGTH OF CABLES UPON COMPLETION OF INSTALLATION.
- CONTRACTOR TO PROVIDE FINAL CABLE LENGTHS AND RETURN LOSSES FOR ALL CABLES.
- ALL AZIMUTHS REFERENCE TRUE NORTH. CONSULT REQUIRED QUADRANGLE MAP FOR NECESSARY MAGNETIC DECLINATION.



NEW MICROWAVE @ 50'-0"



10000 PARK MEADOWS DRIVE, SUITE 300 LONE TREE, CO 80124-5453 (303) 694-3234



7093 SILVERHORN DRIVE EVERGREEN | CO | 80439 (720) 261-2064

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MW UPGRADE (EXISTING COMMUNICATIONS SITE)

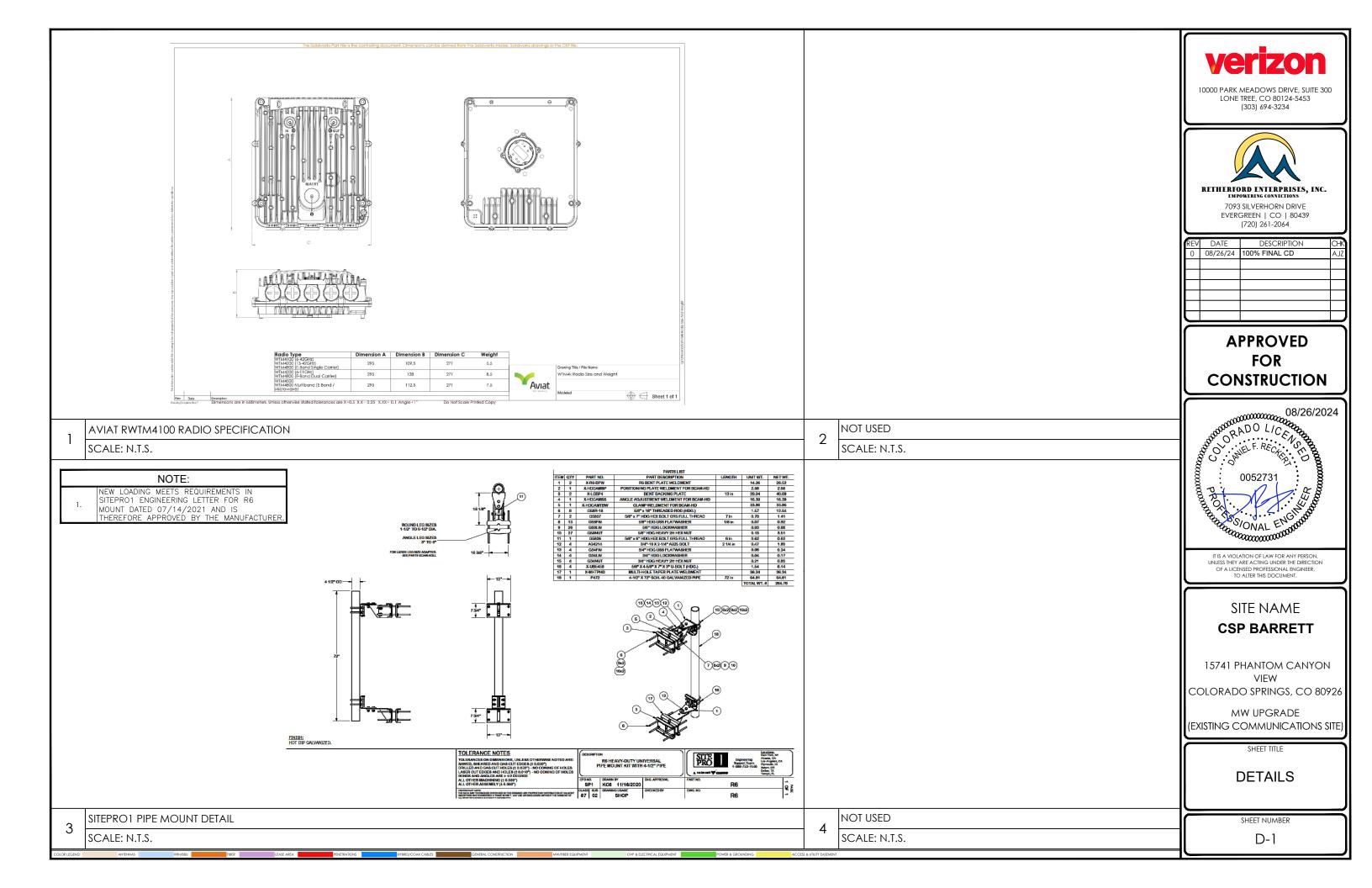
EXISTING & NEW MICROWAVE PLANS

SHEET NUMBER

A-4

SCALE: 1/4" = 1'-0"

EXISTING & NEW MICROWAVE PLANS @ 50'-0"



USX6-11W

Base Product

1.8m | 6ft Sentinel® Ultra High Performance, Super High XPD Antenna, dual-polarized, 10.000 – 11.700 GHz

Product Classification

Product Type Product Brand

General Specifications

Side Struts, Included Side Struts, Optional

Diameter, nominal 1.8 m | 6 ft

Electrical Specifications

Dimensions

10.000 - 11.700 GHz Operating Frequency Band Gain, Low Band 42.9 dBi Gain. Mid Band 43.6 dBi

Gain, Top Band 44.3 dBi 40 dB Front-to-Back Ratio 85 dB 1.1 * 26 dB

7375 | 7402

ACMA FX03_10a | ACMA FX03_11a | Canada SRSP 310.5 | Canada SRSP 310.7 Part

USX6-11W

Wind Speed, survival

A | Canada SRSP 310.7 Part B | ETSI 302 217 Class 4 | US FCC Part 101A ETSI EN 302217 XPD Category 3

115 mm-120 mm | 4.5 in-4.7 in

201 km/h | 124.896 mph

200 km/h | 124.274 mph

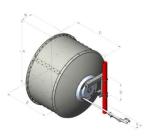
Mechanical Specifications

Compatible Mounting Pipe Diameter Fine Azimuth Adjustment Range

Fine Elevation Adjustment Range Wind Speed, operational

USX6-11W

Antenna Dimensions and Mounting Information





Wind Forces at Wind Velocity Survival Rating

Axial Force (FA) 6960 N | 1,564.671 lbf Angle a for MT Max 2049 N | 460.634 lbf Side Force (FS) 4948 N-m | 43.793.488 in lb Twisting Moment (MT) Force on Inboard Strut Side 6187 N | 1,390,893 lbf Zcg without Ice 498 mm | 19.606 in Zcg with 1/2 in (12 mm) Radial Ice 689 mm | 27.126 in

COMMSCOPE

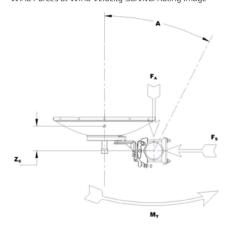
imScope and/or its emarks. All product names, COMMSCSPE

COMMSCOPE"

COMMSCOPE"

USX6-11W

Wind Forces at Wind Velocity Survival Rating Image



Packaging and Weights

90 kg | 198.416 lb

Regulatory Compliance/Certifications

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

* Footnotes

Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be

accommodated on special order.

mscope and/or its marks. All product names, COMMSCSPE*

USX6-11W

Gain, Mid Band

For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by comparison or by computer integration of the measured antenna patterns.

Boresite Cross Polarization Discrimination (XPD

The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam. Denotes highest radiation relative to the main beam, at 180°

incident upon the antenna that are rejected as a ratio of those that are accepted.

±40°, across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise. The figure that indicates the proportion of radio waves

Maximum; is the guaranteed Peak Voltage-Standing-Wave-Ratio within the operating band.

Radiation patterns define an antenna's ability to discriminate against unwanted signals. Under still dry conditions, production antennas will not have any peak exceeding the current RPE by more than 3dB, maintaining an angular accuracy of +/-1* throughout

Cross Polarization Discrimination (XPD) Electrical Compliance The difference between the peak of the co-polarized ma

beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.

Wind Speed, operationa

For VHLP(X), SHP(X), HX and USX antennas, the wind speed where the maximum antenna deflection is 0.3 x the 3 dB beam width of the antenna. For other antennas, it is defined as a deflection is equal to or less than 0.1 degrees

The maximum wind speed the antenna, including mounts and radomes, where applicable, will withstand without permanent deformation. Realignment may be required. This

wind speed is applicable to antenna with the specified amount of radial ice

Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.

Maximum side force exerted on the mounting pipe as a result of wind from the most critical direction for this

COMMSCOPE

USX6-11W

Twisting Moment (MT)

Weight with 1/2 in (12 mm) Radial Ice

parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.

291 kg | 641.544 lb

Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the

FOR INFORMATION ONLY

10000 PARK MEADOWS DRIVE, SUITE 300

LONE TREE, CO 80124-5453

(303) 694-3234

RETHERFORD ENTERPRISES, INC. 7093 SILVERHORN DRIVE

EVERGREEN | CO | 80439

(720) 261-2064

08/26/24 100% FINAL CD

DATE

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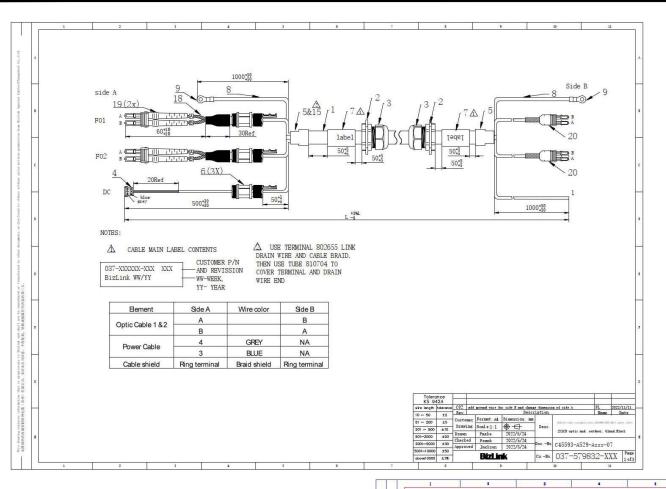
MW UPGRADE (EXISTING COMMUNICATIONS SITE

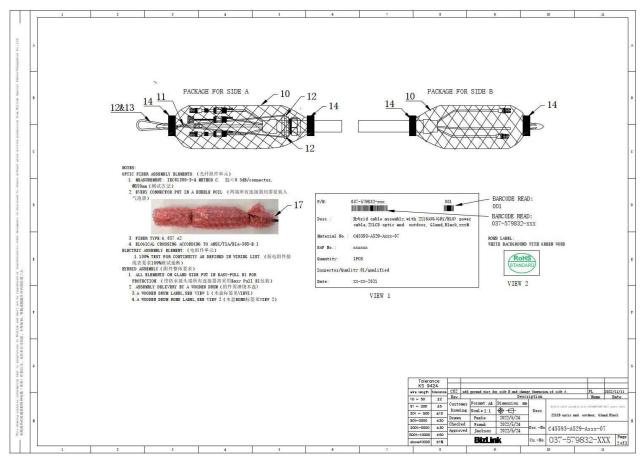
MICROWAVE SPECIFICATIONS

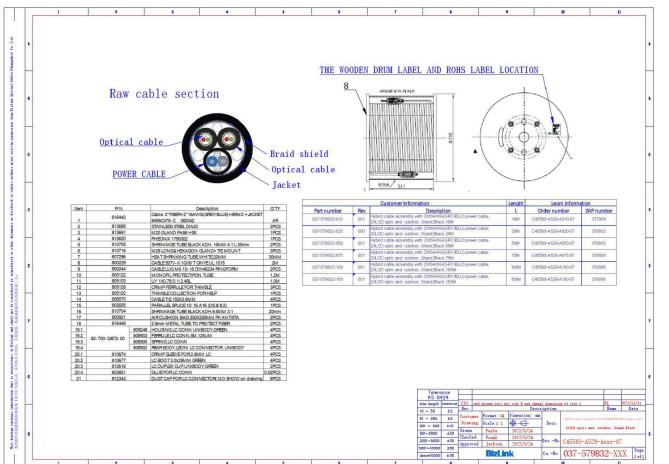
SHEET NUMBER

D-2

MICROWAVE SPECIFICATIONS







10000 PARK MEADOWS DRIVE, SUITE 300 LONE TREE, CO 80124-5453 (303) 694-3234



7093 SILVERHORN DRIVE EVERGREEN | CO | 80439 (720) 261-2064

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MW UPGRADE (EXISTING COMMUNICATIONS SITE

HYRBID CABLE SPECIFICATIONS

SHEET NUMBER

D-3

HYRBID CABLE SPECIFICATIONS