

10740 NALL AVE. **SUITE 400 OVERLAND PARK, KS 66211** PHONE: 913-344-2800

REGIONAL MAP

Grandview

PMI ACCESSED AT

FUZE ID

SMART TOOL VENDOR PROJECT NUMBER

VZW LOCATION CODE (PSLC)

Raymore

KCYC LEES SUMMIT C-BAND - CARRIER ADD

900 SW BLUE PKWY LEES SUMMIT. MO 64063

PROJECT TEAM

A&E CONSULTANT: TERRA CONSULTING GROUP, LTD

600 BUSSE HIGHWAY PARK RIDGE, IL 60068

C-BAND - CARRIER ADD

KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

SITE NAME: LEE'S SUMMIT 2

10740 NALL AVE, SUITE 400 OVERLAND PARK, KS 66211

RON DEJARNETTE (816) 810-5234

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20202201695

SITE #: 209106

(913) 344-2896

SHEET INDEX

DESCRIPTION

FCC ASR#: 1280041

VERIZON WIRELESS

ACCT#: 9035668338

16248298

PHONE: (847) 698-6400 FAX: (847) 698-6401 FAULK & FOSTER

SITE ACQUISITION: POC: SHARLA BATES

(816) 678-2184

PROJECT INFORMATION

140684

STRUCTURAL: PROVIDED BY TOWER OWNER



| | B | JGL | BE | BE | CEB | | |
|-----------|-------------|-------------------|---------------|-------------------------|--------------------------------|--|--|
| | DATE | 12/17/20 | 08/17/21 | 09/01/21 | 01/05/22 | | |
| REVISIONS | DESCRIPTION | ISSUED FOR REVIEW | POWER UPGRADE | ISSUED FOR CONSTRUCTION | REMOVAL OF REV B POWER UPGRADE | | |

LOC# 140684 **KCYC** LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

SHEET TITLE

VICINITY MAP PROJECT DESCRIPTION: SITE NAME: LOCATION #: VERIZON PROJECT #: Bates C **FUZE PROJECT ID:** SW 3RD ST SITE ADDRESS: SITE LOCATION SW OLDHAM PKWY TOWER OWNER: APPLICANT: POWER COMPANY:

CONTRACTOR PMI REQUIREMENTS SCOPE OF WORK

Oak Grove

Lone Jack

Grain Valley

Pleasant Hill

https://pmi.vzwsmart.com

10023391

140684

16248298

-SITE LOCATION

Lees Summit

Greenwood

ADD L-SUB6 5G

INSTALL 4449 AND 8843 ON THE TOWER.

REMOVE EXISTING 4449 INSIDE THE SHELTER. UPGRADE ANTENNAS

VERIZON WIRELESS

DEPARTMENTAL APPROVALS

RF ENGINEER

TRANSPORT ENGINEER **OPERATIONS MANAGER**

CONSTRUCTION ENGINEER

CONSTRUCTION MANAGER

REAL ESTATE MANAGER

LATITUDE: 38° 54' 36.63" N LONGITUDE: 94° 23' 28.47" W GROUND ELEVATION: 1017 FT A M S I OVERALL STRUCTURE HEIGHT 154 FT ± A.G.L. TOWER HEIGHT: 150 FT ± A.G.L. VZW CL HEIGHT: 150 FT A.G.L.

TOWER INFORMATION

SHEET

T-1

C-1

ANT-1

ANT-2

ANT-3

ANT-5

ANT-6

N-1

T-1

S-1

S-2

S-3

S-4

TITLE SHEET

SITE LAYOUT

SITE DETAILS

TITLE SHEET BILL OF MATERIALS

MODIFICATION NOTES

MODIFICATION NOTES

MODIFICATION DETAILS

MODIFICATION DETAILS

MOUNT PHOTOS SPECIFICATION SHEETS

SITE ELEVATION

ANTENNA KEYS & LAYOUT

SECTOR PLAN & ELEVATION DETAILS

COAX ENTRY PANEL & PARTS LIST

GENERAL NOTES & SITE PHOTOS

MOUNT MODIFICATION DESIGN BY OTHERS

ANTENNA PLUMBING DIAGRAM

PROFESSIONAL ENGINEER'S STAMP

ADAM **BROWN** 01/05/2022

12/29/20 1/26/21

LESSOR / LICENSOR APPROVAL

PRINTED NAME: SIGNATURE: DATE:

NO CHANGES

INITIALS:

CF

BW

SK

CHANGES REQUESTED, SEE COMMENTS ON PLANS

DATE:

12/28/20

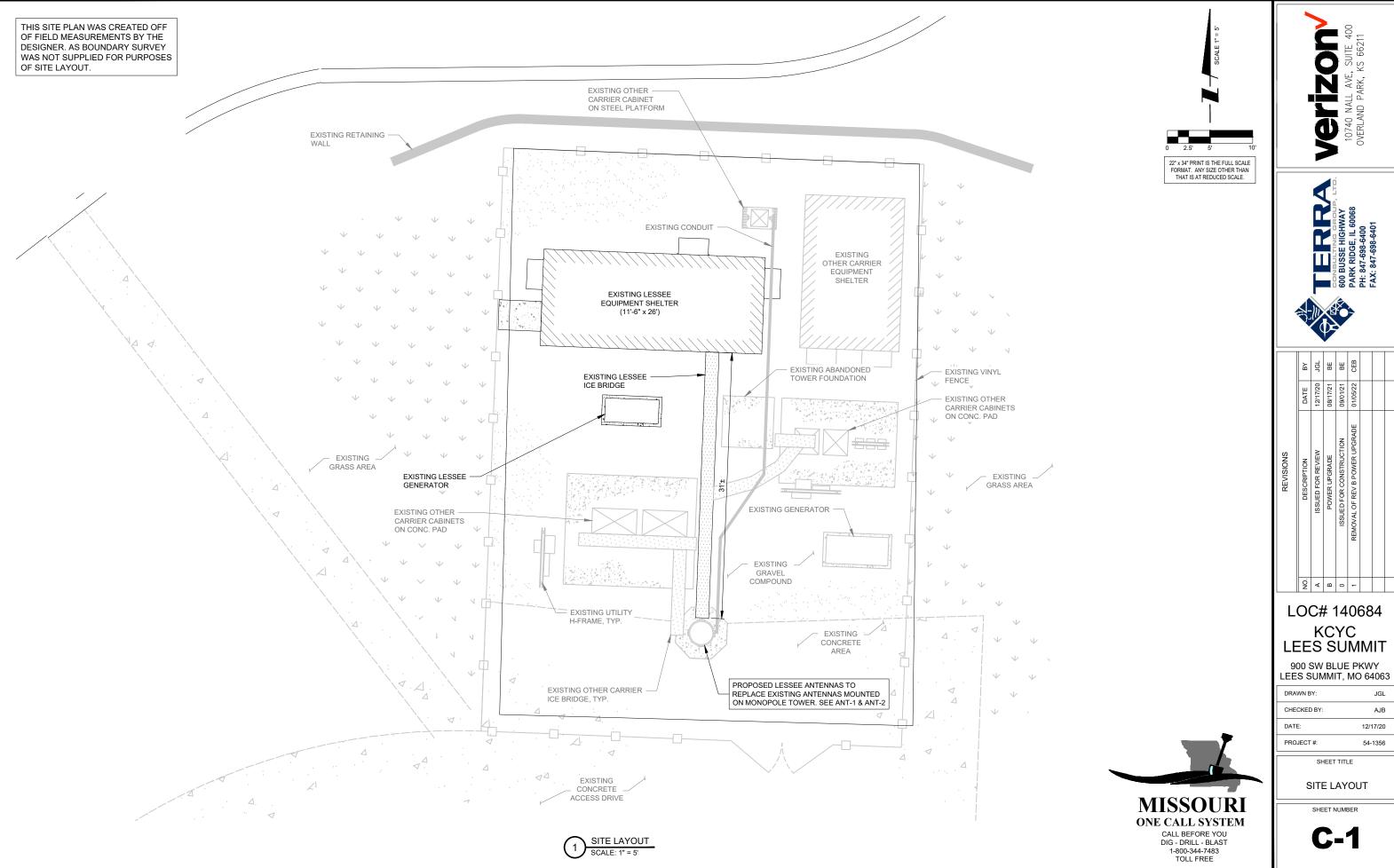
S-5

| CHECKED BY: | AJB |
|-------------|----------|
| DATE: | 12/17/20 |
| PROJECT #: | 54-1356 |

TITLE SHEET

MOUNT MODIFICATION REQUIRED VZW APPROVED SMART KIT VENDORS REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VZW SMART KIT APPROVED VENDORS

*** PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT





| | В | JGL | BE | BE | CEB | | |
|-----------|-------------|-------------------|---------------|-------------------------|--------------------------------|--|--|
| | DATE | 12/17/20 | 08/17/21 | 09/01/21 | 01/05/22 | | |
| REVISIONS | DESCRIPTION | ISSUED FOR REVIEW | POWER UPGRADE | ISSUED FOR CONSTRUCTION | REMOVAL OF REV B POWER UPGRADE | | |
| | Ŏ. | ⋖ | В | 0 | - | | |

KCYC LEES SUMMIT

| ı | DRAWN BY: | JGL |
|---|-------------|----------|
| ı | CHECKED BY: | AJB |
| ı | DATE: | 12/17/20 |
| ı | PROJECT #: | 54-1356 |



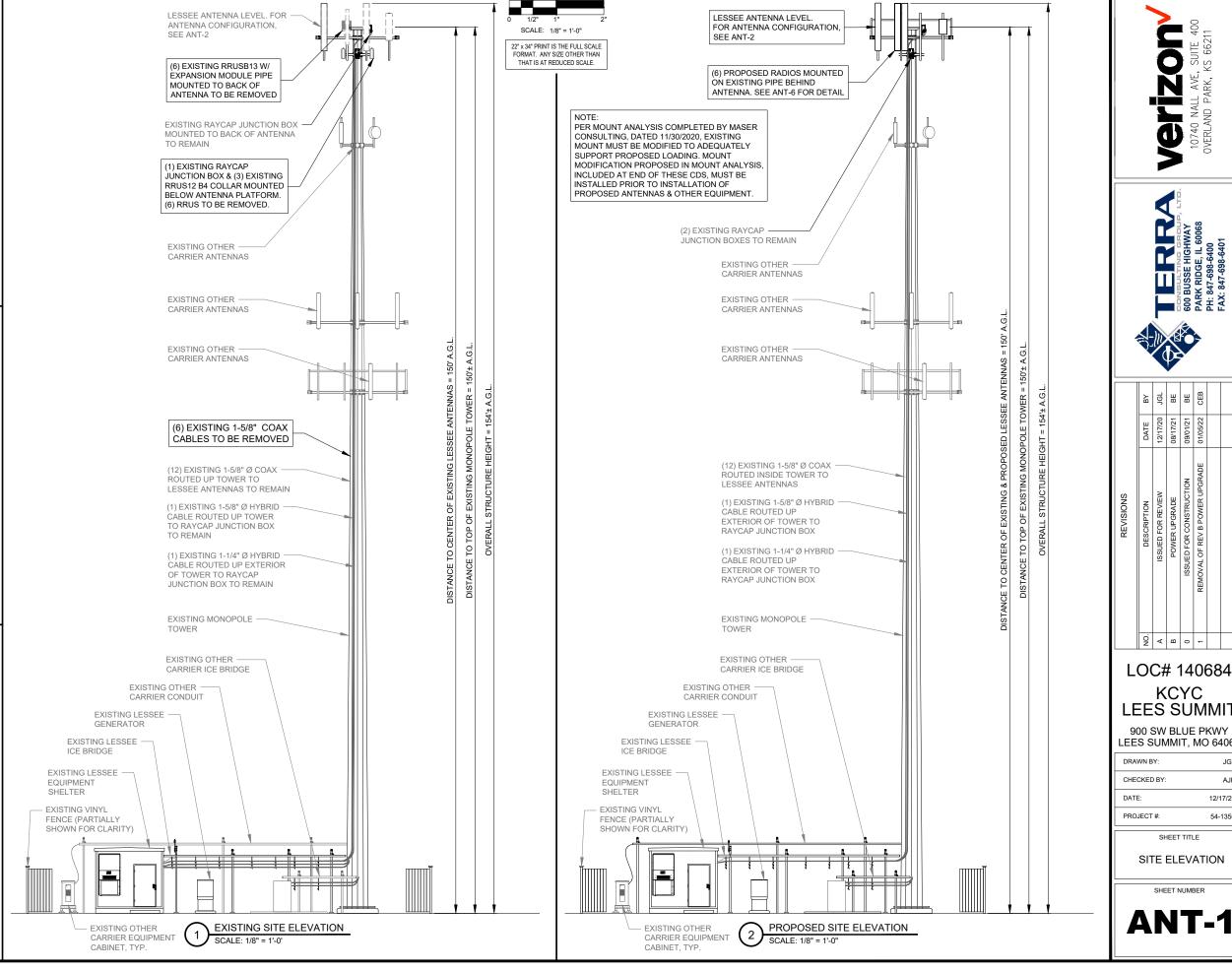
TYPICAL LESSEE ANTENNA SECTOR



LESSEE COAX ROUTE ON TOWER

NOTES

- 1. THIS DRAWING IS FOR EXHIBIT AND LAYOUT PURPOSES ONLY.
- 2. REFER TO PASSING STRUCTURAL ANALYSIS BY TOWER OWNER.
- 3. REFER TO MOUNT MODIFICATION DESIGN ATTACHED TO THIS SET.





| | REVISIONS | | |
|----|--------------------------------|----------|-----|
| Ŏ. | DESCRIPTION | DATE | ВУ |
| ∢ | ISSUED FOR REVIEW | 12/17/20 | 정 |
| В | POWER UPGRADE | 08/17/21 | BE |
| 0 | ISSUED FOR CONSTRUCTION | 09/01/21 | BE |
| - | REMOVAL OF REV B POWER UPGRADE | 01/05/22 | CEB |
| | | | |
| | | | |
| | | | |

KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

| DRAWN BY: | JGL |
|-------------|----------|
| CHECKED BY: | AJB |
| DATE: | 12/17/20 |
| PROJECT #: | 54-1356 |

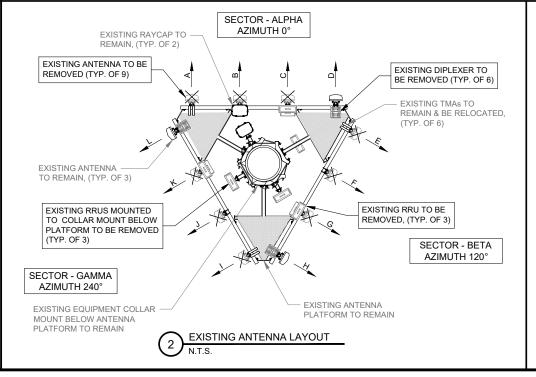
| EXISTING | ANTEN | INA KEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------------|--|---|--|---------------------------------------|--|--|--|---|---|--|--|-----------------------|--------------------|---------------------------------|---------------------------------------|----------------------|---------------------------------|--|---------------------------------------|--------------------------------|-----------------|--|----------------|---------------------------|---|-------------------------|--|--|---|----------------------------------|
| | Positio n | Status | Antenna Centerlin (ft AGL) | e | | a Heigh Wid t(in) h(i | | | h (true D | Oowntil | :lectrica Downtilt | TMA TMA | t Diplexer Make/Model | Diplexe r Count | Coax Make/Model | Coax | | Coax Length | RRU Make/Model | RRU Count | Distribution Box Make/Model | Raycap Count | Hybrid Cable Make/Model | Cable | Cable | Hybrid H Cable Ju Length C | umper J | Jumper J | | umper Ju | |
| Mainline Cable & Distribution | | | | | | | | | | | | | | | | | | | | | RFS DB-B1-6C-12AB-0Z | 2 | RFS/HBF-158-13U656 RFS/HBF-114-13U6S12 | 1 | 1-5/8" 1-1/4" | 200 | | | | | |
| | | | 450 | ANTEL BXA-171063-12CF | 1 | 72.5 6.: | 1 11 | 120 | 0 | 3 | 2 | ADC/CG-1900DD 2 | 1 | | AVA7-50 | | 1-5/8" | 200 | 5 / / / PRUC 43 | 1 | | | RFS/HBF058-08U1S2-15F | - | | | 1 | 5/8" | 45 | 2 | 10 |
| | B | remove remove | 150 150 | ANDREW LNX-6515DS-A1M | | 96.6 11. | | | | 0 | 5 | ADC/CG-1900DD 2 | | | AVA7-50 AVA7-50 | | 1-5/8" | | E//// RRUS 12 E/// RRUS 11 B13 w/ A2 | _ ~ | | | RFS/HBF058-08U1S2-15F | | | | | 5/8" | 15 15 | 2 | 10 |
| lpha Secto | | remove | 150 | ANTEL BXA-171063-12CF | 1 | 72.5 6.3 | | | | | 2 | | | | *AVA7-50 | _ | 1-5/8" | | -,,, | | | | | | | | | | | | 10 |
| | D | existing | 150 | ANDREW LNX-6515DS-A1M | 1 | 96.6 11. | .9 7.1 | 43.7 | 0 | 4 | 5 | | CBC78-DF-2X | 2 | AVA7-50 | 1 | 1-5/8" | 200 | | | | | | | | | | | | 2 | 10 |
| | E | remove | 150 | ANTEL BXA-171063-12CF | 1 | 72.5 6.3 | 1 4.1 | 1 12.8 | 120 | 2 | 2 | ADC/CG-1900DD 2 | | | AVA7-50 | 2 | 1-5/8" | 200 | E//// RRUS 12 | 1 | | | RFS/HBF058-08U1S2-15F | | | | 1 | 5/8" | 15 | 2 | 10 |
| 1-4- C4 | F | remove | 150 | ANDREW LNX-6515DS-A1M | 1 | 96.6 11. | | | 120 | 3 | 5 | , | | | AVA7-50 | | 1-5/8" | _ | E/// RRUS 11 B13 w/ A2 | 1 | | | RFS/HBF058-08U1S2-15F | | | | | 5/8" | 15 | 2 | 10 |
| Beta Sector | G | remove | 150 | ANTEL BXA-171063-12CF | 1 | 72.5 6.3 | 1 4.1 | 12.8 | 120 | 2 | 2 | | | | *AVA7-50 | 2 | 1-5/8" | 200 | | | | | | | | | | | | 2 | 10 |
| | Н | existing | 150 | ANDREW LNX-6515DS-A1M | 1 | 96.6 11. | .9 7.1 | 43.7 | 120 | 3 | 3 | | CBC78-DF-2X | 2 | AVA7-50 | 1 | 1-5/8" | 200 | | | | | | | | | | | | 2 | 10 |
| | - 1 | remove | 150 | ANTEL BXA-171063-12CF | 1 | 72.5 6.3 | 1 4.1 | 12.8 | 240 | 2 | 2 | ADC/CG-1900DD 2 | | | AVA7-50 | 2 | 1-5/8" | 200 | E//// RRUS 12 | 1 | | | RFS/HBF058-08U1S2-15F | | | | 1 | 5/8" | 15 | 2 | 10 |
| Gamma | J | remove | 150 | ANDREW LNX-6515DS-A1M | 1 | 96.6 11. | .9 7.1 | 43.7 | 240 | 3 | 5 | | | | AVA7-50 | 1 | 1-5/8" | 200 | E/// RRUS 11 B13 w/ A2 | 1 | | | RFS/HBF058-08U1S2-15F | | | | 1 | 5/8" | 15 | 2 | 10 |
| Sector | K | remove | 150 | ANTEL BXA-171063-12CF | 1 | 72.5 6.3 | | | | 2 | 2 | | | | *AVA7-50 | _ | 1-5/8" | | | | | | | | | | | | | 2 | 10 |
| | L | existing | 150 | ANDREW LNX-6515DS-A1M | _ | 96.6 11. | .9 7.1 | 43.7 | 240 | 2 | 3 | | CBC78-DF-2X | 2 | AVA7-50 | _ | 1-5/8" | 200 | | | | | | | | | | | | | 10 |
| | | | | Antenna Tota | il 12 | | | | | | | TMA Total 6 | Diplexer Tota | al 6 | Coax Tota | _ | | | RRU Tota | al 6 | Distro Box Tota | al 2 | Hybrid Cable Tota | il 2 | Jumper | r Total | 6 1 | RF Jumpe | er Total | 24 | |
| | | | | | | | | | | | | | | | *COAX | TO BE R | EMOVED | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROPOSEI | ANTE | NNA KEY | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ROPOSE | Positio | | Antenna Centerlin | e | | a Heigh Wid | | | h (true D | owntil | electrica | TMA TMA | | Diplexe | Coax | Coax | | Coax | | RRU | Distribution Box | Raycap | | Cable | Cable | Hybrid H Cable Ju | umper J | Jumper J | | umper Ju | |
| ROPOSEI | | | Antenna | e | | a Heigh Wid | | | h (true D | owntil | Electrica I Downtilt | TMA TMA | t DiplexerMake/Model | | Coax Make/Model | Coax Coun | | Coax Length | RRU Make/Model | Count | Make/Model | Count | Hybrid Cable Make/Model | Cable Count | Cable Size I | Cable Ju Length C | umper J | Jumper J | Jumper J | umper Ju | umper |
| Mainline Cable & | Positio | | Antenna Centerlin | e | | | | | h (true D | owntil | ı | TMA TMA | | | | | | | RRU Make/Model | Count | | Count | Hybrid Cable Make/Model RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 | Cable Count | Cable | Cable Ju Length C | umper J | Jumper J | Jumper J | umper Ju | umper |
| Mainline Cable & | Positio n | | Antenna Centerlin | e | | | | | h (true D | owntil | ı | TMA TMA | | | | | | | RRU Make/Model | Count | Make/Model | Count | RFS/HBF-158-13U6S6 | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C | umper J | Jumper J | Jumper J | umper Ju | umper |
| Mainline Cable & | Positio n | Status | Antenna Centerlin (ft AGL) | e Antenna Make / Model | Count | t (in) h (i | n) (in) | t (lbs) | h (true D | Downtil t D | l Downtilt | TMA TMA | | | | | | | RRU Make/Model | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | Jumper J Size | Jumper J | umper Ju | umper |
| Mainline Cable & | Positio n | Status proposed | Antenna Centerlin (ft AGL) | e | Count | | n) (in) | t (lbs) | h (true D | owntil | ı | TMA TMA | | | | | | | RRU Make/Model | Count | Make/Model | Count | RFS/HBF-158-13U6S6 | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | Jumper J | Jumper J | umper Ju | umper |
| Mainline Cable & Distribution | Positio n | Status proposed | Antenna Centerlin (ft AGL) | e Antenna Make / Model | Count 1 | 30.4 15. | n) (in) .9 8.1 | t (lbs) | h (true Donorth) | Downtil t D | l Downtilt | TMA TMA | | | | Coun | | Length | RRU Make/Model | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | Jumper J Size | Jumper J | umper Ju | umper |
| Mainline Cable & Sistribution | Positio n | Status proposed empty | Antenna Centerlin (ft AGL) | Antenna Make / Model nl-SUB6 VZE01 | Count 1 1 | 30.4 15. | .9 8.1 .9 7.1 | 81.6 51.6 | h (true north) | Downtil t D | l Downtilt | TMA TMA Make/Model Coun | | | Make/Model | Coun | 1-5/8" | Length | | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | Jumper J Size | Jumper Journal of Length 15 | umper Ju | umper ength |
| Mainline Cable & Distribution | Positio n A B | status proposed empty proposed | Antenna Centerlin (ft AGL) | Antenna Make / Model nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B | 1 1 1 | 30.4 15. | .9 8.1 .9 7.1 .9 7.1 | 81.6 51.6 51.6 | h (true north) | Oowntil t D | l Downtilt 3 | TMA TMA Make/Model Coun | | | Make/Model | Coun | t Size | Length | E/// 8843 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | 5/8" | Jumper Ji Length 15 | umper Ju Count L | umper ength |
| Mainline Cable & Sistribution | Positio n A B C D | proposed empty proposed proposed | Antenna Centerlin (ft AGL) | nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B | 1 1 1 | 30.4 15. 96 11. 96 11. | .9 8.1 .9 7.1 .9 7.1 .9 7.1 | 81.6 1 51.6 1 51.6 1 43.7 | h (true north) | Oowntil t D | l Downtilt 3 5 5 | TMA TMA Make/Model Coun | | | Make/Model AVA7-50 | Coun | 1-5/8" | Length | E/// 8843 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | umper J Count | 5/8" 5/8" | Jumper Ji Length 15 | umper Ju Count L | umper ength |
| Mainline Cable & Distribution | Positio n A B C D | proposed empty proposed proposed existing | Antenna Centerlin (ft AGL) | Antenna Make / Model nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 30.4 15. | .9 8.1 .9 7.1 .9 7.1 .9 7.1 .9 8.1 | t (lbs) 1 81.6 1 51.6 1 43.7 1 81.6 | 0 0 0 0 120 | 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | l Downtilt 3 5 5 | TMA TMA Count TM | | | AVA7-50 | 2 | 1-5/8 ^a | 200 200 | E/// 8843 E/// 4449 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Ju Length C 200 200 | Count 2 | 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | umper Ju Count L | 10 10 10 |
| Mainline Cable & Distribution | Position n A B C D E F G H | proposed empty proposed existing proposed empty proposed empty proposed | Antenna Centedin (ft AGL) | Antenna Make / Model nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 30.4 15. | .9 8.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 | 81.6 51.6 51.6 43.7 81.6 | 0 0 0 0 120 120 120 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 5 5 5 3 | TMA TMA Make/Model Coun | | | Make/Model AVA7-50 | 2 | 1-5/8" | 200 200 | E/// 8843 E/// 4449 E/// 8843 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable July 200 200 200 200 200 200 200 200 200 20 | Count 2 2 1 2 1 | 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | Example 1 L L L L L L L L L L L L L L L L L L | 10 10 10 |
| Mainline Cable & Distribution | Position n A B C D E F G H I | proposed empty proposed existing proposed empty proposed empty | Antenna Centerlin (ft AGL) d 150 | nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 30.4 15. 96 11. 96.1 11. | .9 8.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 | 81.6 51.6 51.6 43.7 81.6 | 0 0 0 0 120 120 120 120 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 | TMA TMA Count TM | | | AVA7-50 AVA7-50 | 2 2 2 | 1-5/8 ^a | 200 200 200 | E/// 8843 E/// 4449 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable July 200 200 200 200 200 200 200 200 200 20 | Count 2 2 1 2 1 | 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | E S S S S S S S S S S S S S S S S S S S | 10 10 10 10 |
| Mainline Cable & Distribution | Position n A B C D E F G H | proposed empty proposed existing proposed empty proposed empty proposed | Antenna Centedin (ft AGL) | nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 96.1 15. 96 11. 96.1 11. 96.1 11. 96.1 11. 96.1 11. 96.1 11. 96.1 11. | 9 8.1 9 7.1 9 7.1 9 7.1 9 8.1 9 7.1 9 7.1 9 7.1 | 81.6 51.6 51.6 43.7 81.6 51.6 51.6 43.7 | 0 0 0 0 120 120 120 120 120 120 120 120 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 5 5 5 3 | TMA TMA Count TM | | | AVA7-50 | 2 2 2 | 1-5/8 ^a | 200 200 200 | E/// 8843 E/// 4449 E/// 8843 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable July 200 200 200 200 200 200 200 200 200 20 | Count 2 1 1 1 | 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | E S S S S S S S S S S S S S S S S S S S | 10 10 10 |
| Mainline Cable & Distribution | Position n A B C D E F G H I J | proposed empty proposed existing proposed empty proposed existing proposed empty proposed existing proposed existing proposed | Antenna Centerlin (ft AGL) d 150 | nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nl-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 30.4 15. 96 11. 96.1 11. | 9 8.1 9 7.1 9 7.1 9 7.1 9 7.1 9 7.1 9 7.1 9 7.1 9 7.1 | 81.6 51.6 51.6 43.7 81.6 51.6 51.6 43.7 | 0 0 0 0 120 120 120 120 120 120 120 120 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 | TMA TMA Count TM | | | AVA7-50 AVA7-50 | 2 2 2 | 1-5/8 ^a | 200 200 200 | E/// 8843 E/// 4449 E/// 8843 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable July 200 200 200 200 200 200 200 200 200 20 | Count 2 1 1 1 | 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 15 15 15 15 15 1 | E S S S S S S S S S S S S S S S S S S S | 10 10 10 10 |
| Mainline Cable & Distribution | Position n A B C D E F G H I J K L | proposed empty proposed existing proposed empty proposed empty proposed empty proposed existing proposed existing proposed existing proposed empty | Antenna Centedin (ft AGL) 150 150 150 150 150 150 150 150 150 15 | Antenna Make / Model nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 30.4 15. 96 11. 96.6 11. 30.4 15. 96 11. 96 11. 96 13. 96 13. | 9 8.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 8.1 | t (lbs) 1 81.6 1 51.6 1 51.6 1 81.6 1 51.6 43.7 1 81.6 1 51.6 1 43.7 | 0 0 0 0 120 120 120 120 240 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 3 5 5 5 3 8 8 8 | TMA | | | AVA7-50 AVA7-50 AVA7-50 AVA7-50 | 2 2 2 2 | 1-5/8" 1-5/8" 1-5/8" | 200 200 200 200 | E/// 8843 E/// 4449 E/// 8843 E/// 4449 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable July 200 200 200 200 200 200 200 200 200 20 | Count 2 1 1 1 2 | 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 | 8 4 2 8 4 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 10 10 10 10 10 10 |
| Mainline Cable & Distribution Alpha Secto Beta Sector | Position A B C D E F G H I J K L | proposed empty proposed proposed existing proposed empty proposed existing proposed existing proposed empty proposed empty proposed | Antenna Centerlin (ft AGL) d 150 | nl-SUB6 VZE01 commscope nhh-65c-r28 commscope nhh-65c-r28 andrew/lnx-6515DS-A1M nl-SUB6 VZE01 commscope nhh-65c-r28 commscope nhh-65c-r28 andrew/lnx-6515DS-A1M nl-SUB6 VZE01 commscope nhh-65c-r28 andrew/lnx-6515DS-A1M nl-SUB6 VZE01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 96 11. 96.6 11. 30.4 15. 96.6 11. 30.4 15. 96.11. 96.11. 96.1 11. | 9 8.1 9 7.1 9 7.1 9 7.1 9 7.1 9 7.1 9 8.1 9 7.1 9 7.1 9 7.1 | 81.6 51.6 43.7 1 81.6 43.7 1 81.6 43.7 1 81.6 1 51.6 51.6 | 0 0 0 0 0 120 120 120 120 240 240 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 5 5 5 5 3 8 8 8 5 | TMA TMA Count TM | | | AVA7-50 AVA7-50 | 2 2 2 2 | 1-5/8 ^a | 200 200 200 200 | E/// 8843 E/// 4449 E/// 8843 E/// 4449 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Length C 200 200 | Count 2 1 1 1 2 1 1 1 | 5/8" 5/ | 15 15 15 15 15 15 15 15 | 8 4 2 8 4 2 8 8 4 8 4 8 8 4 8 8 8 8 8 8 | 10 10 10 10 10 10 |
| Mainline Cable & Distribution Alpha Sector Beta Sector Gamma | Position A B C D E F G H I J K L | proposed empty proposed existing proposed empty proposed empty proposed empty proposed existing proposed existing proposed existing proposed empty | Antenna Centedin (ft AGL) 150 150 150 150 150 150 150 150 150 15 | Antenna Make / Model nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 COMMSCOPE NHH-65C-R2B COMMSCOPE NHH-65C-R2B Andrew/LNX-6515DS-A1M nL-SUB6 VZE01 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 30.4 15. 30.4 15. 96 11. 96.6 11. 30.4 15. 96 11. 96 11. 96 13. 96 13. | .9 8.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 .9 7.1 | 81.6 51.6 81.6 | 0 0 0 0 120 120 120 120 120 240 240 240 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 3 5 5 5 3 8 8 8 | TMA | | | AVA7-50 AVA7-50 AVA7-50 AVA7-50 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1-5/8" 1-5/8" 1-5/8" | 200 200 200 200 200 | E/// 8843 E/// 4449 E/// 8843 E/// 4449 | Count | Make/Model | Count | RFS/HBF-158-13U6S6 RFS/HBF-114-13U6S12 HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY HBF058-08U2S1-15FY | Cable Count | Cable Size I 1-5/8" | Cable Length C 200 200 | Count 2 1 1 1 2 1 1 1 | 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" 5/8" | 15 15 15 15 15 15 15 15 | 8 4 2 8 4 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | 10 10 10 10 10 10 |

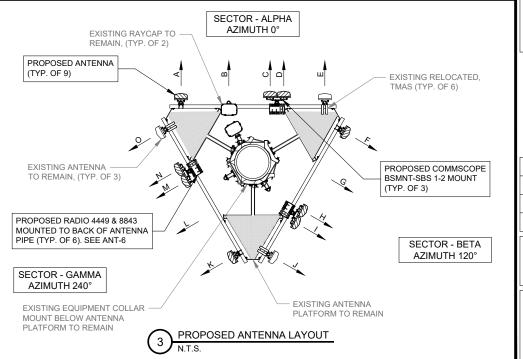
1 ANTENNA KEYS

NOTES

- 1. THIS DRAWING IS FOR EXHIBIT AND LAYOUT PURPOSES ONLY.
- 2. REFER TO PASSING STRUCTURAL ANALYSIS BY TOWER OWNER.
- G.C. TO VERIFY ANTENNA TECHNOLOGIES PRIOR TO REMOVAL OF ANY ANTENNAS.

NOTE:
PER MOUNT ANALYSIS COMPLETED BY MASER
CONSULTING, DATED 11/30/2020, EXISTING
MOUNT MUST BE MODIFIED TO ADEQUATELY
SUPPORT PROPOSED LOADING. MOUNT
MODIFICATION PROPOSED IN MOUNT ANALYSIS,
INCLUDED AT END OF THESE CDS, MUST BE
INSTALLED PRIOR TO INSTALLATION OF
PROPOSED ANTENNAS & OTHER EQUIPMENT.









| | ВУ | JGL | BE | BE | CEB | | |
|-----------|-------------|-------------------|---------------|-------------------------|--------------------------------|--|--|
| | DATE | 12/17/20 | 08/17/21 | 09/01/21 | 01/05/22 | | |
| REVISIONS | DESCRIPTION | ISSUED FOR REVIEW | POWER UPGRADE | ISSUED FOR CONSTRUCTION | REMOVAL OF REV B POWER UPGRADE | | |
| | | | | | | | |
| | Ŏ. | ∢ | В | 0 | - | | |
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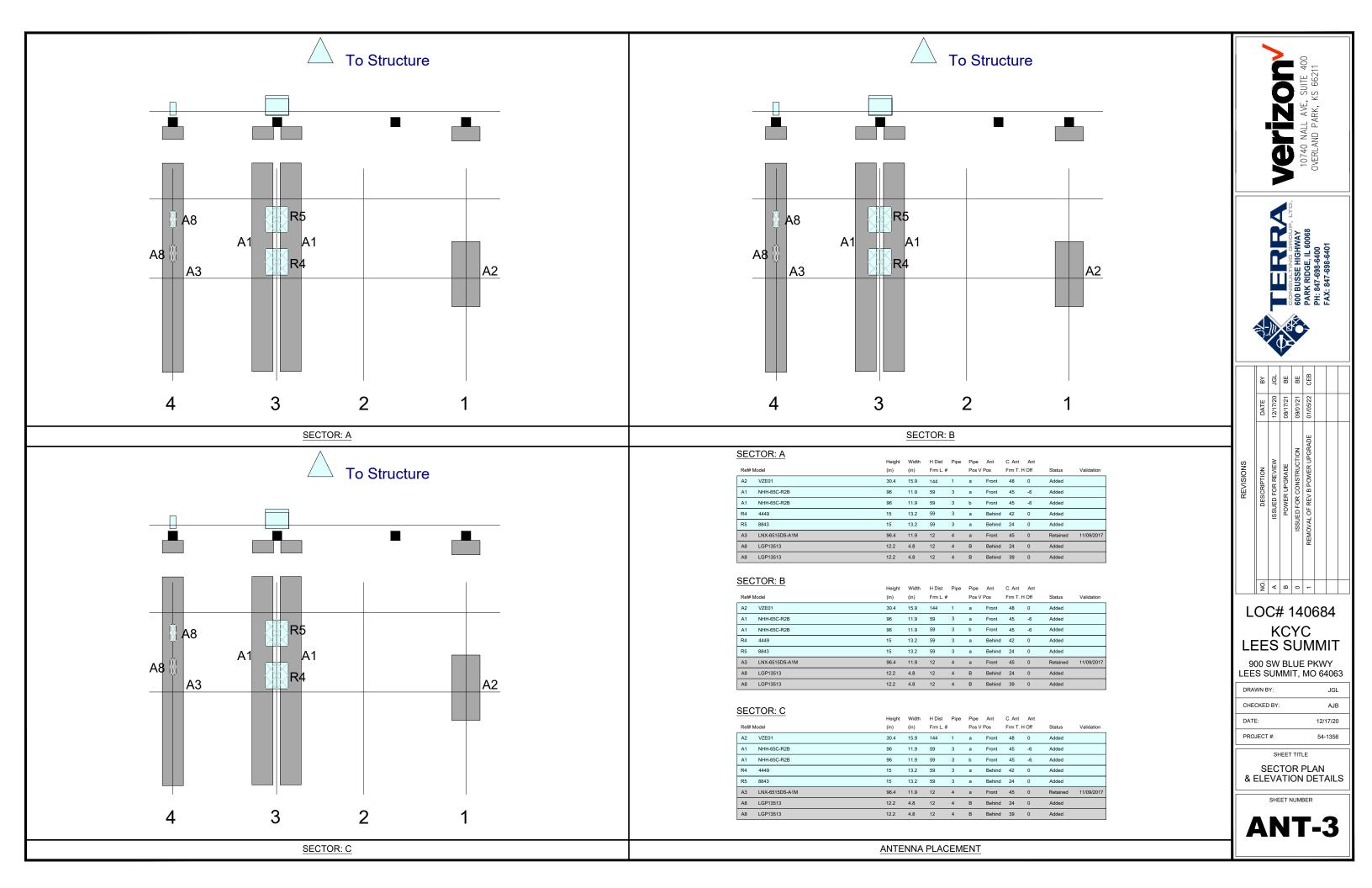
LOC# 140684 KCYC LEES SUMMIT

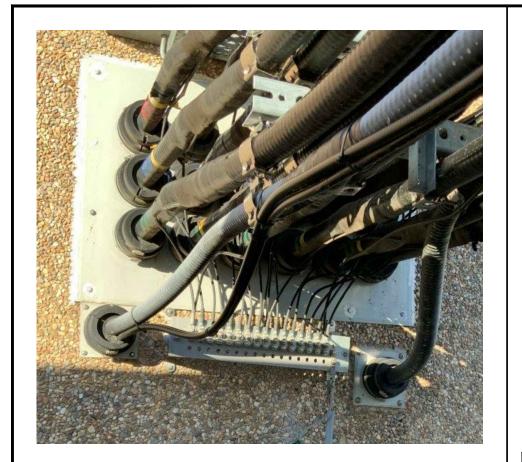
900 SW BLUE PKWY LEES SUMMIT, MO 64063

| DRAWN BY: | JGL |
|-------------|----------|
| CHECKED BY: | AJB |
| DATE: | 12/17/20 |
| PROJECT #: | 54-1356 |

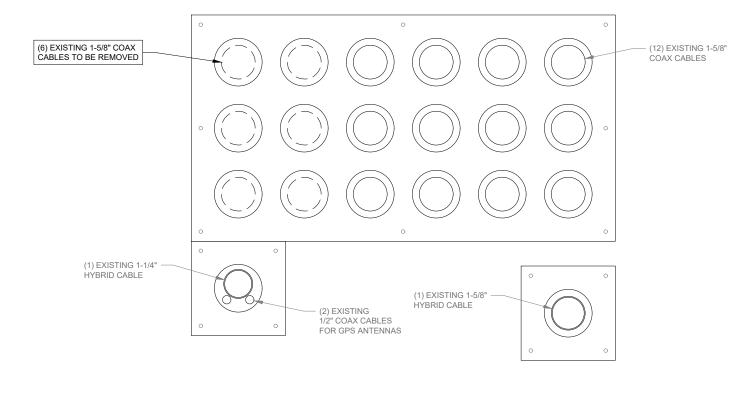
ANTENNA KEYS & LAYOUT

SHEET NUMBER





LESSEE ENTRY PANEL

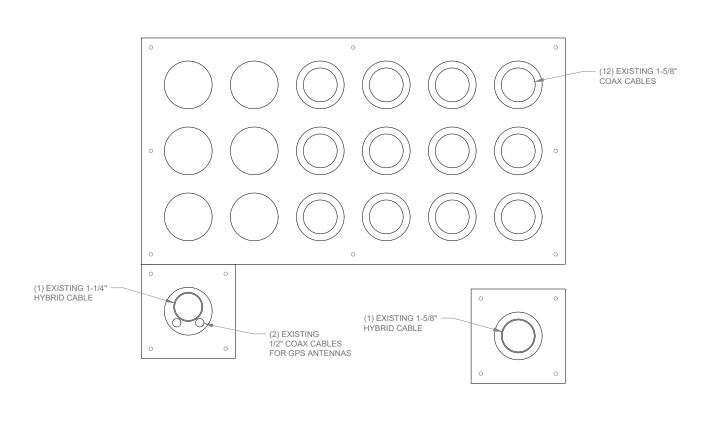


NOTE: G.C. TO VERIFY CORRECT LINES PRIOR TO DISCONNECTION

2 EXISTING ENTRY PANEL LAYOUT FROM OUTSIDE SHELTER N.T.S.

PARTS LIST

- (1) NEW L-SUB6 BBU
- (3) ERICSSON 5G VZE01
- (3) ERICSSON 8843 FOR AWS LTE
- (3) ERICSSON 4449 FOR 700, 850 LTE
- (6) COMMSCOPE NHH-65C-R2B
- (3) COMMSCOPE BRACKET BSAMNT-SBS-1-2
- (6) Y-CABLES RFS HBF058-08U2S1-15FY
- (6) 5/8"± FIBER JUMPERS



PROPOSED ENTRY PANEL LAYOUT FROM OUTSIDE SHELTER
N.T.S.

VETIZODA 10740 NALL AVE, SUITE 400 OVERLAND PARK, KS 66211



| | REVISIONS | | |
|----|--------------------------------|----------|-----|
| Ŏ. | DESCRIPTION | DATE | ВУ |
| 4 | ISSUED FOR REVIEW | 12/17/20 | JGL |
| В | POWER UPGRADE | 08/17/21 | BE |
| 0 | ISSUED FOR CONSTRUCTION | 09/01/21 | BE |
| _ | REMOVAL OF REV B POWER UPGRADE | 01/05/22 | CEB |
| | | | |
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LOC# 140684 KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

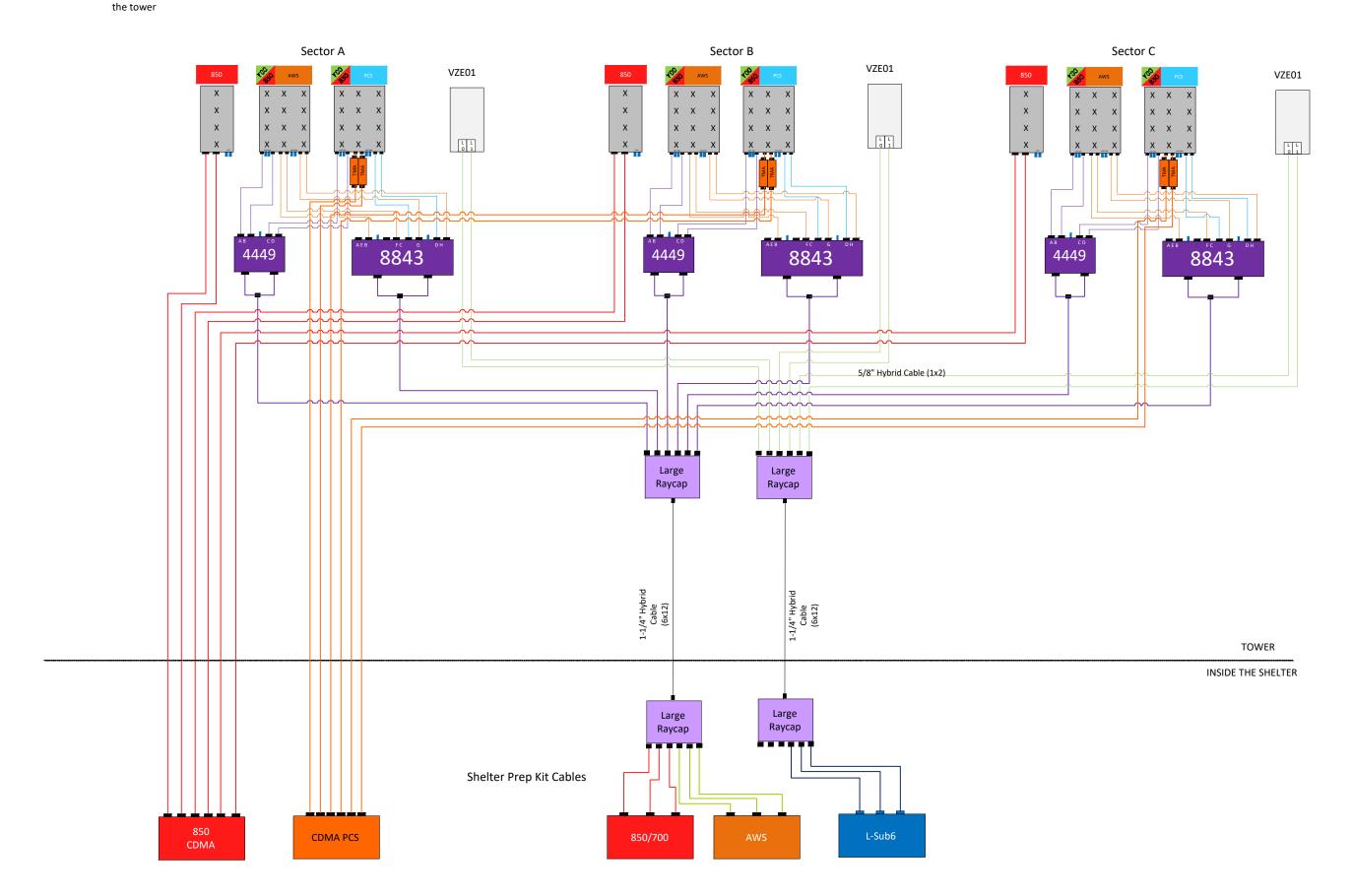
| DRAWN BY: | JGL |
|-------------|----------|
| CHECKED BY: | AJB |
| DATE: | 12/17/20 |
| PROJECT #: | 54-1356 |

SHEET TITLE
COAX ENTRY PANEL
&
PARTS LIST

SHEET NUMBER

Arrangement of Antennas may not match arrangement on

CDMA 850 / CDMA PCS / 700 LTE / AWS LTE / 850 LTE / 850 5G / L-Sub6







| | DATE | /20 | _ | _ | | | |
|-----------|-------------|-------------------|---------------|-------------------------|--------------------------------|--|--|
| 1 11 | اتا | 12/17/20 | 08/17/21 | 09/01/21 | 01/05/22 | | |
| REVISIONS | DESCRIPTION | ISSUED FOR REVIEW | POWER UPGRADE | ISSUED FOR CONSTRUCTION | REMOVAL OF REV B POWER UPGRADE | | |
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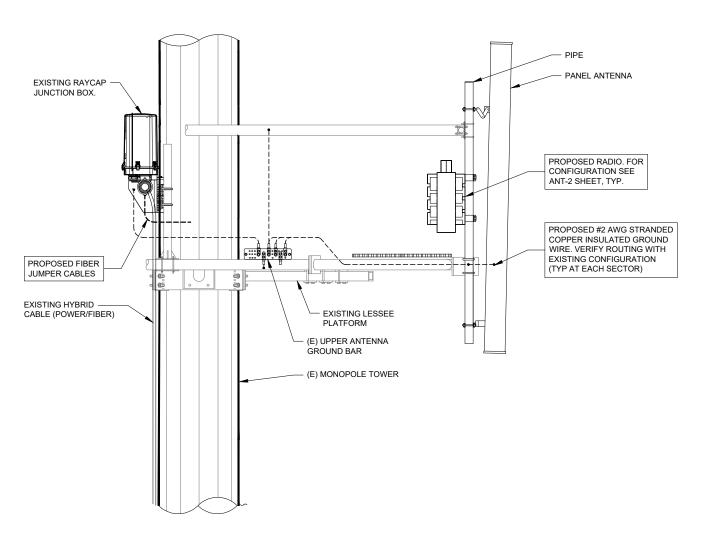
LOC# 140684 KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

| - 1 | DRAWN BY: | JGL |
|-----|-------------|----------|
| 1 | CHECKED BY: | AJB |
| 1 | DATE: | 12/17/20 |
| 1 | PROJECT #: | 54-1356 |

ANTENNA PLUMBING DIAGRAM

SHEET NUMBER







| | ВУ | JGL | BE | BE | CEB | | |
|-----------|-------------|-------------------|---------------|-------------------------|--------------------------------|--|--|
| | DATE | 12/17/20 | 08/17/21 | 09/01/21 | 01/05/22 | | |
| REVISIONS | DESCRIPTION | ISSUED FOR REVIEW | POWER UPGRADE | ISSUED FOR CONSTRUCTION | REMOVAL OF REV B POWER UPGRADE | | |
| | ON | ⋖ | В | 0 | - | | |

LOC# 140684 KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

| ı | DRAWN BY: | JGL |
|---|-------------|----------|
| | CHECKED BY: | AJB |
| | DATE: | 12/17/20 |
| ı | PROJECT #: | 54-1356 |

SHEET TITLE

SITE DETAILS

SHEET NUMBE

GENERAL NOTES

- 1. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK USING HIS OR HER BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW THE SCOPE OF WORK AND EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO ELECTRICAL SERVICE AND OVERALL COORDINATION.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED TO VERIZON WIRELESS BEFORE PROCEEDING WITH THE WORK.
 THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING
- 4. THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW AND EXISTING CONSTRUCTION, STRUCTURE, OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF VERIZON WIRELESS, AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SAFEGUARD THE OWNER'S PROPERTY DURING CONSTRUCTION AND SHALL REPLACE ANY DAMAGED PROPERTY OF THE OWNER TO ORIGINAL CONDITION WITH THE APPROVAL OF THE OWNER.
- 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETE.
- ALL CONSTRUCTION WORK SHALL CONFORM TO THE I.B.C. AND ALL APPLICABLE LOCAL REGULATIONS. ORDINANCES. STATUTES AND CODES.
- 9. VERIZON WIRELESS SHALL OBTAIN THE CONSTRUCTION PERMIT, UNLESS JURISDICTION REQUIRES PERMIT TO BE PICKED UP BY A GENERAL CONTRACTOR. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO THE OWNER.
- 10. CITY APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF JOB SUPERINTENDENT.
- 11. THE CONTRACTOR SHALL PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A:10-B:C WITHIN 75 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILD OUT AREA DURING CONSTRUCTION.
- 12. ANY CONNECTION FEES FOR TEMPORARY ELECTRICAL SERVICE SHALL BE PAID BY THE CONTRACTOR.
- 13. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY POWER. CONTRACTOR SHALL NOT USE THE VERIZON WIRELESS GENERATOR ON SITE.

ABBREVIATIONS

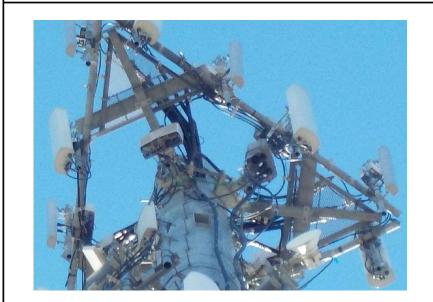
| AGI | <u>L</u> | ABOVE GRADE LINE | GC | GENERAL CONTRACTOR |
|-----|----------|---------------------|--------|--------------------------------|
| AM | Р | AMPERE | GND | GROUND |
| AR | CH | ARCHITECT | HT | HEIGHT |
| BLD |)G | BUILDING | LF | LINEAR FEET |
| CL | | CENTER LINE | MIN | MINIMUM |
| COI | NC | CONCRETE | MISC | MISCELLANEOUS |
| COI | NST | CONSTRUCTION | NTS | NOT TO SCALE |
| COI | NTR | CONTRACTOR | OC | ON CENTER |
| DET | Γ | DETAIL | PL | PLATE |
| DIA | | DIAMETER | REQ'D | REQUIRED |
| DIA | G | DIAGONAL | SF | SQUARE FEET |
| DIM | l | DIMENSION | SHT | SHEET |
| DN | | DOWN | SIM | SIMILAR |
| DW | G | DRAWING | SPECS | SPECIFICATIONS |
| EΑ | | EACH | STD | STANDARD |
| ELE | С | ELECTRICAL | STL | STEEL |
| ELE | V | ELEVATOR, ELEVATION | STRUCT | STRUCTURAL |
| EQ | | EQUAL | TC | TOP OF CURB |
| EQI | JIP | EQUIPMENT | TERRA | TERRA CONSULTING GROUP, L.T.D. |
| EXI | ST | EXISTING | TOP | TOP OF PAVING |
| FNE |) | FOUNDATION | TOS | TOP OF STEEL |
| FTG | € | FOOTING | TOC | TOP OF CONCRETE |
| GΑ | | GAUGE | TYP | TYPICAL |
| GAI | LV | GALVANIZED | UNO | UNLESS NOTED OTHERWISE |



1 EXISTING ASR SIGN PHOTO

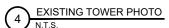


LESSEE COAX ROUTE ON ICE BRIDGE N.T.S.



3 LESSEE COAX ROUTE @ TOP N.T.S.









| | REVISIONS | | | |
|----|--------------------------------|----------|-----|--|
| ON | DESCRIPTION | DATE | ВУ | |
| | ISSUED FOR REVIEW | 12/17/20 | JGL | |
| | POWER UPGRADE | 08/17/21 | BE | |
| | ISSUED FOR CONSTRUCTION | 09/01/21 | BE | |
| | REMOVAL OF REV B POWER UPGRADE | 01/05/22 | CEB | |
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LOC# 140684 KCYC LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063

| DRAWN BY: | JGL |
|-------------|----------|
| CHECKED BY: | AJB |
| DATE: | 12/17/20 |
| PROJECT #: | 54-1356 |

GENERAL NOTES & SITE PHOTOS

SHEET NUMBI

N-1

PROIECT NOTES

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER. IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS. EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
- 10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

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MOUNT MODIFICATION DRAWINGS **EXISTING 13.33' PLATFORM MOUNT**

SITE NAME: LEES SUMMIT SITE NUMBER: 140684

900 SW BLUE PKWY LEES SUMMIT, MO 64063 **JACKSON COUNTY**

PROIECT INFORMATION SITE INFORMATION LATITUDE: 38.910175° N LONGITUDE: 94.391244° W JURISDICTION JACKSON COUNTY APPLICANT/LESSEE COMPANY VERIZON WIRELESS CLIENT REPRESENTATIVE COMPANY VERIZON WIRELESS ADDRESS 10740 NALL AVE., STE. 400 CITY, STATE, ZIP OVERLAND PARK, KS 66211 CONTACT SHARRHONDA KELLY SHARRHONDA.KELLY@VERIZONWIRELESS.COM E-MAIL

| PROJECT MANAGER | |
|-----------------|---------------------------|
| COMPANY | MASER CONSULTING |
| CONTACT | KRISTINA ROSS |
| PHONE | (615) 686-2575 |
| E-MAIL | KROSS@MASERCONSULTING.COM |

| | SHEET INDEX |
|-------|----------------------|
| SHEET | DESCRIPTION |
| T-I | TITLE SHEET |
| S-I | BILL OF MATERIALS |
| S-2 | MODIFICATION NOTES |
| S-3 | MODIFICATION NOTES |
| S-4 | MODIFICATION DETAILS |
| S-5 | MODIFICATION DETAILS |
| S-6 | MOUNT PHOTOS |
| | SPECIFICATION SHEETS |
| | |
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CONTRACTOR PMI REQUIREMENTS PMI LOCATION HTTPS://PMI.VZWSMART.COM SMART TOOL PROJECT # 10023391 VZW LOCATION CODE (PSLC) 140684

16248298

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

| REFERENCED I | DOCUMENTS |
|---------------------------|----------------|
| FAILING MOUNT A | NALYSIS REPORT |
| MART TOOL PROJECT # | 10017276 |
| ASER CONSULTING PROJECT # | 20780195A |
| NALYSIS DATE | 11/13/2020 |



OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

LEES SUMMIT

900 SW BLUE PKWY LEES SUMMIT, MO 64063 JACKSON COUNTY



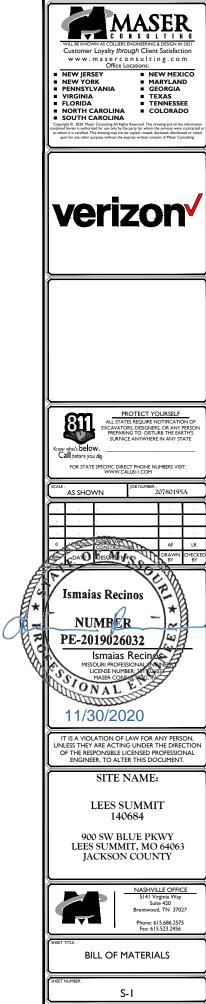
TITLE SHEET

| | | | BILL OF MATE | RIALS |
|----------|--------------|---------------|--|--|
| | | | | |
| | | | VZWSMART KI | TS |
| QUANTITY | MANUFACTURER | PART NUMBER | DESCRIPTION | NOTES |
| Ī | | VZWSMART-PLK7 | MONOPOLE COLLAR MOUNT ASSEMBLY | |
| I | | VZWSMART-PLK1 | SUPPORT RAIL KIT | FINAL LENGTH TO BE DETERMINED IN FIELD, CONTRACTOR TO TRIM AS REQUIRED |
| I | | VZWSMART-PLK5 | KICKER KIT | FINAL LENGTH TO BE DETERMINED IN FIELD, CONTRACTOR TO TRIM AS REQUIRED |
| Ţ | | VZWSMART-MSK5 | CROSSOVER PLATE | |
| | VZWSMART | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | OTHER REQUIRED | PARTS |
| QUANTITY | MANUFACTURER | PART NUMBER | DESCRIPTION | NOTES |
| 1 | - | - | 36" LONG 2.0 STD PIPE | GALVANIZED |
| 2 | - | - | 1/2"Ø SQUARE U-BOLT FOR 4" SQUARE TUBE | GALVANIZED |
| | | | | |
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NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

| | COMMSCOPE |
|---------|--|
| CONTACT | SALVADOR ANGUIANO |
| PHONE | (817) 304-7492 |
| EMAIL | SALVADOR.ANGUIANO@COMMSCOPE.COM |
| WEBSITE | WWW.COMMSCOPE.COM |
| N | IETROSITE FABRICATORS, LLC |
| CONTACT | KENT RAMEY |
| PHONE | (706) 335-7045 (O), (706) 982-9788 (M) |
| EMAIL | KENT@METROSITELLC.COM |
| WEBSITE | METROSITEFABRICATORS.COM |
| | PERFECTVISION |
| CONTACT | WIRELESS SALES |
| PHONE | (844) 887-6723 |
| EMAIL | WWW.PERFECT-VISION.COM |
| WEBSITE | WIRELESSSALES@PERFECT-VISION.COM |
| | SABRE INDUSTRIES, INC. |
| CONTACT | ANGIE WELCH |
| PHONE | (866) 428-6937 |
| EMAIL | AKWELCH@SABREINDUSTRIES.COM |
| WEBSITE | www.sabresitesolutions.com |
| | SITE PRO 1 |
| CONTACT | PAULA BOSWELL |
| PHONE | (972) 236-9843 |
| EMAIL | PAULA.BOSWELL@VALMONT.COM |
| WEBSITE | WWW.SITEPRO I.COM |

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI



GENERAL NOTES

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H, MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIEY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS. OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
- 7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
- ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
- 10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER ALL FENCE STONE GEOFABRIC GROUNDING AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
- II. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- 12. DO NOT SCALE DRAWINGS.
- 13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- 14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- 15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF

DESIGN LOADS

WIND LOADS

- a. BASIC WIND SPEED (3 SECOND GUST), V = 109 MPH
- b. EXPOSURE CATEGORY C
- c. TOPOGRAPHIC CATEGORY I
- d. MEAN BASE ELEVATION (AMSL) = 1017.33'

- a. ICE WIND SPEED (3 SECOND GUST), V = 40 MPH
- b. ICE THICKNESS = 1.5 IN

SEISMIC LOADS

- a. SEISMIC DESIGN CATEGORY B
- b. SHORT TERM MCER GROUND MOTION, $S_S = .100$
- c. LONG TERM MCER GROUND MOTION, S_I = .068

STRUCTURAL STEEL

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
 - a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
- b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 **BOLTS**
- c. AISC CODE OF STANDARD PRACTICE
- 2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

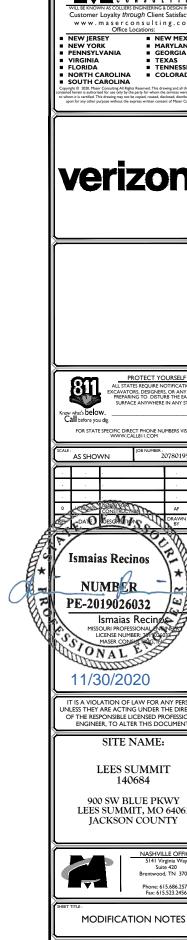
CHANNELS, ANGLES, PLATES, ETC. ASTM A36 (GR 36) STEEL PIPE ASTM A53 (GR 35) ASTM A325 **BOLTS**

NUTS ASTM A563

LOCK WASHERS LOCKING STRUCTURAL GRADE

- 3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA DIFFERENCES. FROM THE ORIGINAL DESIGN. INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
- 4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 - a. SUBMIT SHOP DRAWINGS TO KROSS@MASERCONSULTING.COM
 - b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
- 5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- 6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- 7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
- 8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
- WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
- 10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
- II. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- 12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- 13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION, CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.

- 14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- 15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.



www.maserconsulting.com Office Locations: NEW IERSEY PENNSYLVANIA NORTH CAROLINA DATO DESCRIPTION Ismaias Recinos NUMBER PE-2019026032 Ismaias Recin ONAL 11/30/2020 OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT. SITE NAME: LEES SUMMIT 140684 900 SW BLUE PKWY LEES SUMMIT, MO 64063 JACKSON COUNTY

■ NEW MEXICO

MARYLANI

TEXAS

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTI

S-2

MODIFICATION INSPECTION NOTES

| | MI CHECKLIST |
|--|--|
| CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR) | REPORT ITEM |
| | PRE-CONSTRUCTION PRE-CONSTRUCTION |
| X | MI CHECKLIST DRAWING |
| Х | EOR APPROVED SHOP DRAWINGS |
| NA | FABRICATION INSPECTION |
| NA | FABRICATOR CERTIFIED WELD INSPECTION |
| X | MATERIAL TEST REPORT (MTR) |
| NA | FABRICATOR NDE INSPECTION |
| Χ | PACKING SLIPS |
| dditional testing and inspectic | DNS: |
| ODITIONAL TESTING AND INSPECTIO | CONSTRUCTION |
| DDITIONAL TESTING AND INSPECTIC | |
| | CONSTRUCTION |
| X | CONSTRUCTION CONSTRUCTION INSPECTIONS |
| X NA | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS |
| X NA X | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS ON SITE COLD GALVANIZING VERIFICATION GC AS-BUILT DOCUMENTS |
| X NA X X A A A A A A A A A A A A A A A A | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS ON SITE COLD GALVANIZING VERIFICATION GC AS-BUILT DOCUMENTS |
| X NA X X A DDITIONAL TESTING AND INSPECTIC | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS ON SITE COLD GALVANIZING VERIFICATION GC AS-BUILT DOCUMENTS DNS: |
| X NA X X A A A A A A A A A A A A A A A A | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS ON SITE COLD GALVANIZING VERIFICATION GC AS-BUILT DOCUMENTS ONS: POST-CONSTRUCTION |
| X NA X X ADDITIONAL TESTING AND INSPECTION | CONSTRUCTION CONSTRUCTION INSPECTIONS CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS ON SITE COLD GALVANIZING VERIFICATION GC AS-BUILT DOCUMENTS DNS: POST-CONSTRUCTION MI INSPECTOR REDLINE OR RECORD DRAWING(S) |

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR)

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS. INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE. IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

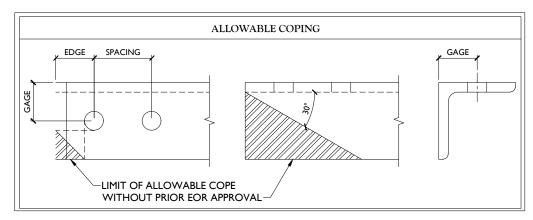
CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

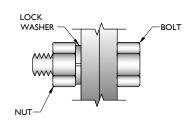
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
- RAW MATERIALS
- PHOTOS OF ALL CRITICAL DETAILS
- FOUNDATION MODIFICATIONS
- WELD PREPARATION
- **BOLT INSTALLATION**
- FINAL INSTALLED CONDITION
- SURFACE COATING REPAIR POST CONSTRUCTION PHOTOGRAPHS
- FINAL INFIELD CONDITION

PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEOUATE.



| BOLT SCHEDULE (IN.) | | | | | |
|---------------------|------------------|---------------|-----------------------|---------|--|
| BOLT DIAMETER | STANDARD HOLE | SHORT SLOT | MIN. EDGE DISTANCE | SPACING | |
| 1/2 | 9/16 | 9/16 x 11/16 | 7/8 | 1 1/2 | |
| 5/8 | 11/16 | 11/16 x 7/8 | 1 1/8 | I 7/8 | |
| 3/4 | 13/16 | 13/16 x 1 | I I/4 | 2 1/4 | |
| 7/8 | 15/16 | 15/16 x 1 1/8 | I I/2 | 2 5/8 | |
| I | 1 1/16 | 1/16 x 5/16 | I 3/4 | 3 | |

| WORKABLE GAGES (IN.) | | | | |
|----------------------|-------|--|--|--|
| LEG | GAGE | | | |
| 4 | 2 1/2 | | | |
| 3 1/2 | 2 | | | |
| 3 | I 3/4 | | | |
| 2 1/2 | I 3/8 | | | |
| 2 | 1 1/8 | | | |



TYP. BOLT ASSEMBLY

NOTES:

- ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
- THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
- SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
- MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED



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CDATO DESCRIPTION

Ismaias Recinos NUMBER PE-2019026032

Ismaias Recin PONAL 11/30/2020

OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

LEES SUMMIT 140684

900 SW BLUE PKWY LEES SUMMIT, MO 64063 JACKSON COUNTY

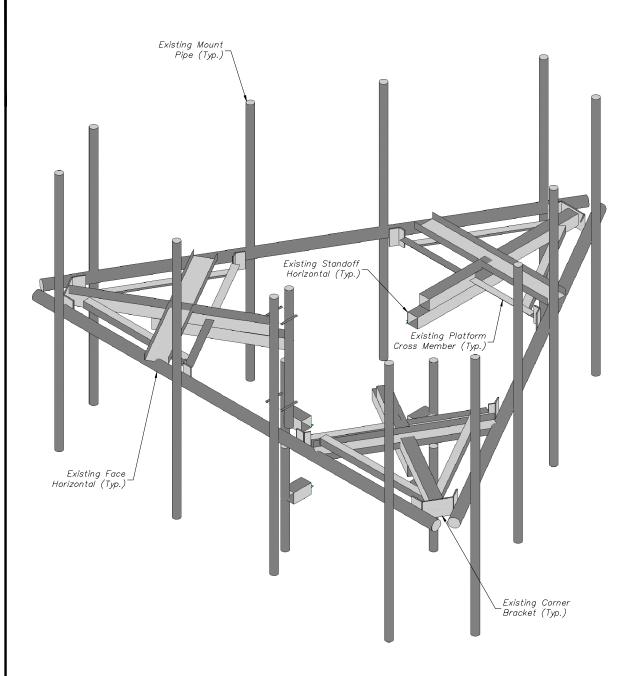


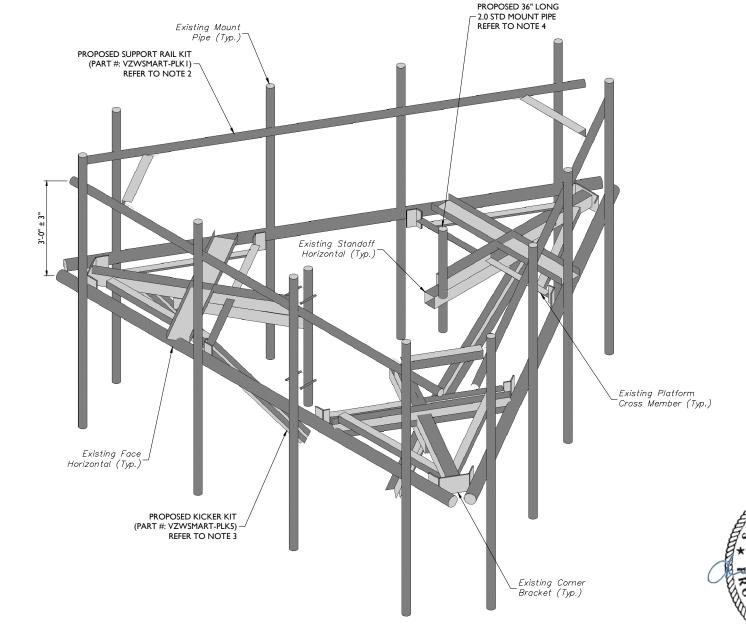
Phone: 615.686.2575 Fax: 615.523.2456

MODIFICATION NOTES

S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION





EXISTING PLATFORM ISOMETRIC VIEW

SCALE: N.T.S.

STRUCTURAL NOTES:

- PER THE MOUNT MAPPING COMPLETED BY HIGHTOWER SOLUTIONS, INC. ON I 1/06/2017, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (146'-9") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
- INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

PROPOSED PLATFORM ISOMETRIC VIEW

SCALE: N.T.S.

MODIFICATION NOTES:

- I. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
- 2. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
- 3. CONTRACTOR SHALL REMOVE THE RRH RING MOUNT DIRECTLY BENEATH THE PLATFORM PRIOR TO THE INSTALLATION OF THE KICKER KIT.CONNECT NEW KICKER TO EXISTING MONOPOLE USING PROPOSED MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONTRACTOR TO FIELD VERIFY FINAL LENGTH OF MEMBERS AND TRIM AS NECESSARY.
- CONTRACTOR SHALL RELOCATE THE EXISTING RAYCAP FROM THE RING MOUNT TO NEW 36" LONG P2.0 STD PIPE. NEW PIPE SHALL BE CONNECTED TO THE EXISTING STANDOFF MEMBERS WITH NEW VZWSMART-MSK5 AND (2) 1/2"Ø SQUARE U-BOLTS.



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O CONSTRUMENT DRAWN CHECK

Ismaias Recinos

NUMBER PE-2019026032

Ismaias Recinos

MISSOURI PROFESSIONAL ANSIN
LICENSE NUMBER: 2019 2030
MASER CONDUCTING. TO

11/30/2020

IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTIO
OF THE RESPONSIBLE LICENSED PROFESSIONAL
ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

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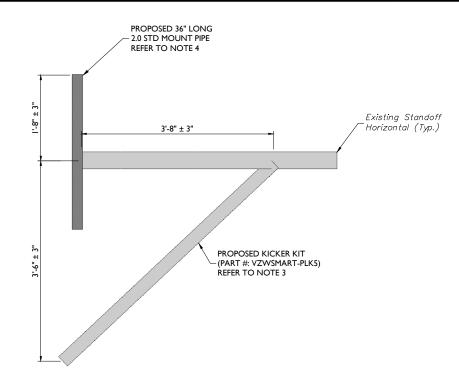
5141 Virginia Way Suite 420 Brentwood, TN 370

Phone: 615.686.257

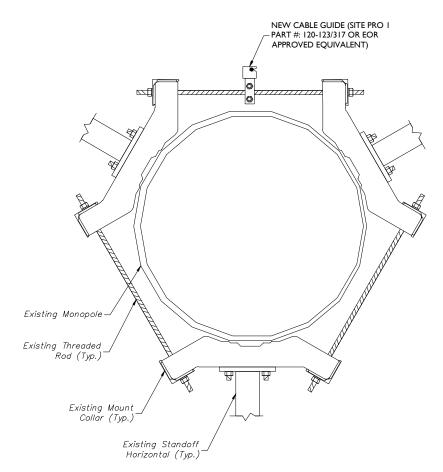
MODIFICATION DETAILS

JMBER :

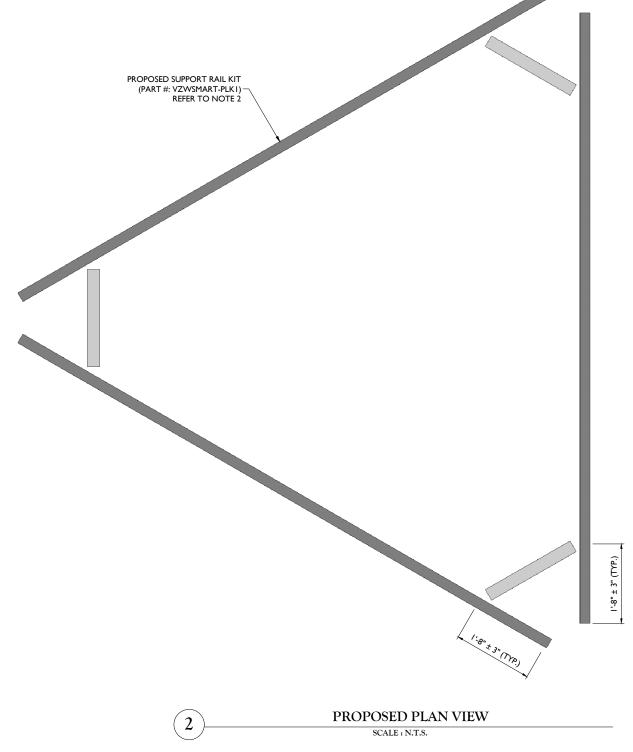
NOTE DO NOT SCALE DRAWINGS FOR CONSTRUCTION



PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS) SCALE: N.T.S.

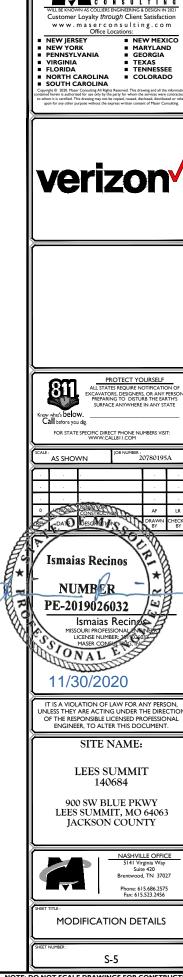


CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW



MODIFICATION NOTES:

- I. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
- 2. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
- 3. CONTRACTOR SHALL REMOVE THE RRH RING MOUNT DIRECTLY BENEATH THE PLATFORM PRIOR TO THE INSTALLATION OF THE KICKER KIT.CONNECT NEW KICKER TO EXISTING MONOPOLE USING PROPOSED MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONTRACTOR TO FIELD VERIFY FINAL LENGTH OF MEMBERS AND TRIM AS NECESSARY.
- CONTRACTOR SHALL RELOCATE THE EXISTING RAYCAP FROM THE RING MOUNT TO NEW 36" LONG P2.0 STD PIPE. NEW PIPE SHALL BE CONNECTED TO THE EXISTING STANDOFF MEMBERS WITH NEW VZWSMART-MSK5 AND (2) 1/2"Ø SQUARE U-BOLTS.





MOUNT PHOTO 1



MOUNT PHOTO 3



MOUNT PHOTO 2



MOUNT PHOTO 4







FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISI WWW.CALLBII.COM

| | AS SHOWN | | | JOB NUMBER: 20780195A | | |
|---|----------|--------|-------------|-----------------------|-------------|---------------|
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| | 0 | - BOOM | CONSTRUCT | D. | AF | LR |
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Ismaias Recinos

NUMBER PE-2019026032

Ismaias Recinos
MISSOURI PROFESSIONAL EN IN
LICENSE NUMBER: 21 02 03
MASER CONDUE PRIG. THE

11/30/2020

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

LEES SUMMIT 140684

900 SW BLUE PKWY LEES SUMMIT, MO 64063 JACKSON COUNTY



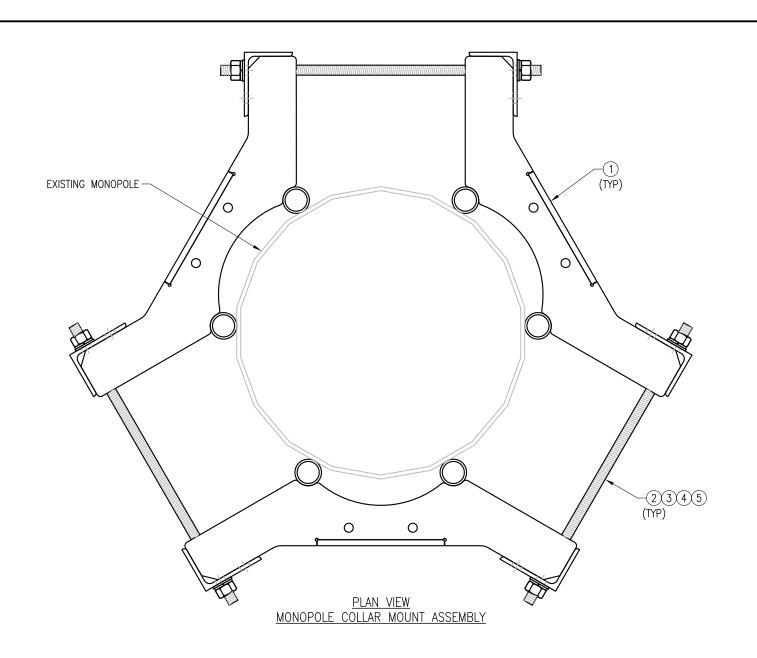
NASHVILLE OFF 5141 Virginia Wa Suite 420 Brentwood, TN 370

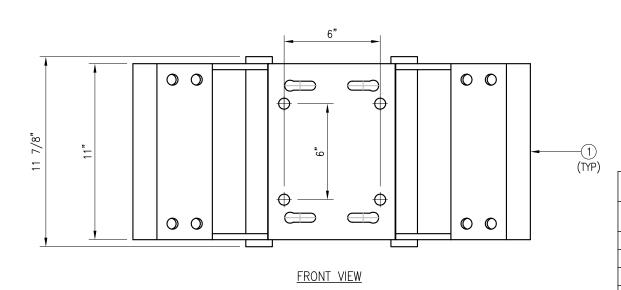
Fax: 615.523.245

MOUNT PHOTOS

SHEET NUMBER :

T SCALE DRAWINGS FOR CONSTRUCT





| | VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY) | | | | | |
|-------------|--|----------|-----------------------------------|---------|-----|--|
| ITEM NO. | QTY. | PART NO. | DESCRIPTION | SHEET # | WT | |
| 1 | 3 | CM-1245 | COLLAR MOUNT ASSEMBLY | PLK7-F1 | 147 | |
| 2 | 6 | | THREADED ROD 5/8" X 4'-0" A193-B7 | | | |
| 3 | 12 | FW-625 | 5/8" HDG USS FLAT WASHER | | 1 | |
| 4 | 12 | LW-625 | 5/8" HDG LOCK WASHER | | 0 | |
| 5 | 12 | NUT-625 | 5/8" HDG HEX NUT | | 1 | |

NOTES:

1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

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VzW

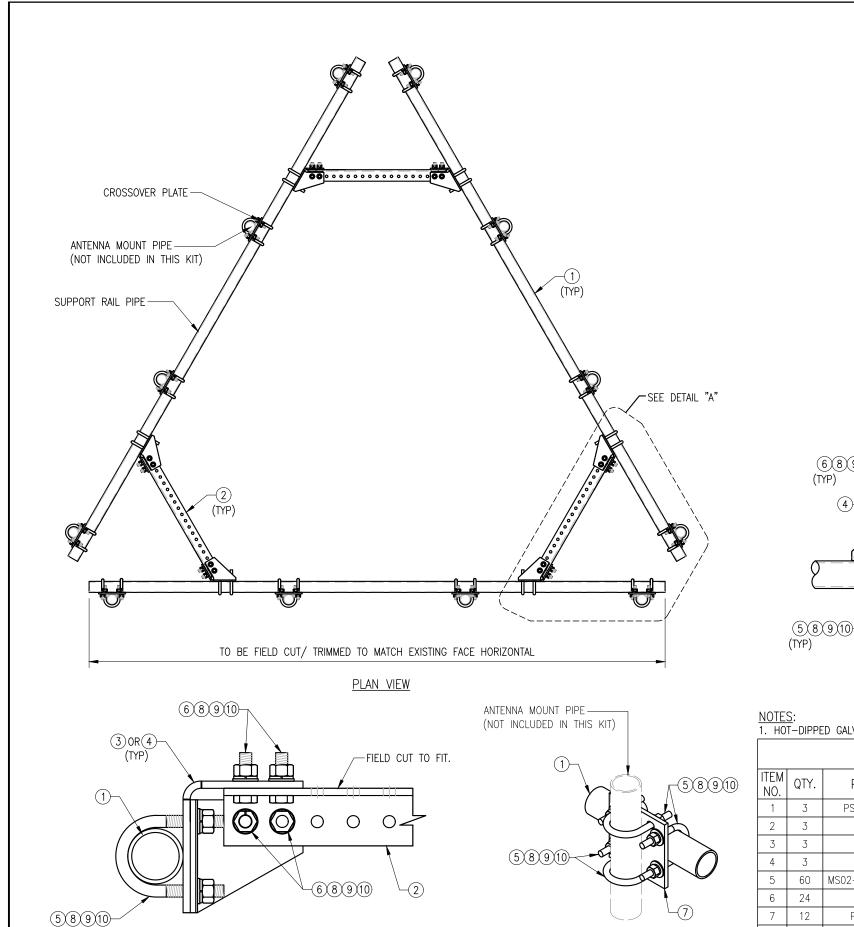
| | DRAWN BY: BT | CHECKED BY: HMA/KW |
|---|-------------------------------|---------------------|
| | REV. DESCRIPTION FIRST ISSUE | BY DATE BT 05/11/20 |
| 1 | SHEET TITLE: | |

VZWSMART-PLK7 MONOPOLE COLLAR MOUNT ASSEMBLY

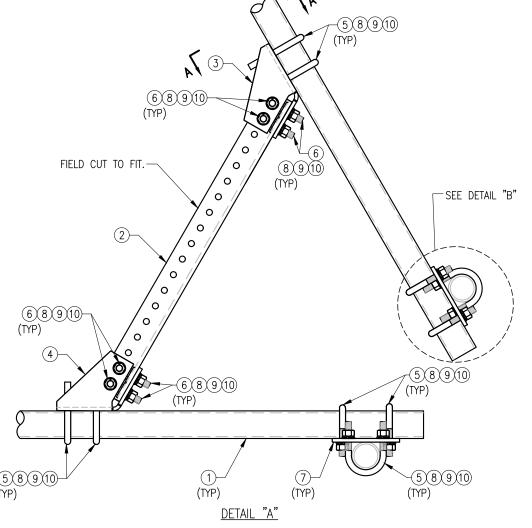
| SHEEL NUMBER: | REV #: |
|---------------|--------|
| VZWSMART-PLK7 | 0 |

150

GALVANIZED WT



SECTION "A-A"



NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

DETAIL "B"

| | VZW SMART-PLK1 (SUPPORT RAIL KIT) | | | | |
|-------------|-----------------------------------|------------------|--|---------|-----|
| ITEM NO. | QTY. | PART NO. | DESCRIPTION | SHEET # | WT |
| 1 | 3 | PST2875-12.5 | 2.5" PST (2.875" O.D. X 0.203" THK.) X 12'-6" A53 GR-B | PLK1-F1 | 292 |
| 2 | 3 | L33375-3 | L 3" X 3" X 3/8" X 3'-0" A36 | PLK1-F1 | 66 |
| 3 | 3 | CBP-L | CORNER BENT PLATE BRACKET | PLK1-F2 | 28 |
| 4 | 3 | CBP-R | CORNER BENT PLATE BRACKET | PLK1-F2 | 28 |
| 5 | 60 | MS02-625-300-500 | RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.) | RBC-1 | 82 |
| 6 | 24 | | BOLT 5/8" X 2" A325 | | 9 |
| 7 | 12 | PL375-857 | PL 3/8" X 8 1/2" X 7'-0" A36 | PLK1-F3 | 77 |
| 8 | 144 | FW-625 | 5/8" HDG USS FLAT WASHER | | 12 |
| 9 | 144 | LW-625 | 5/8" HDG LOCK WASHER | | 3 |
| 10 | 144 | NUT-625 | 5/8" HDG HEX NUT | | 17 |
| | GALVANIZED WT 504 | | | | |

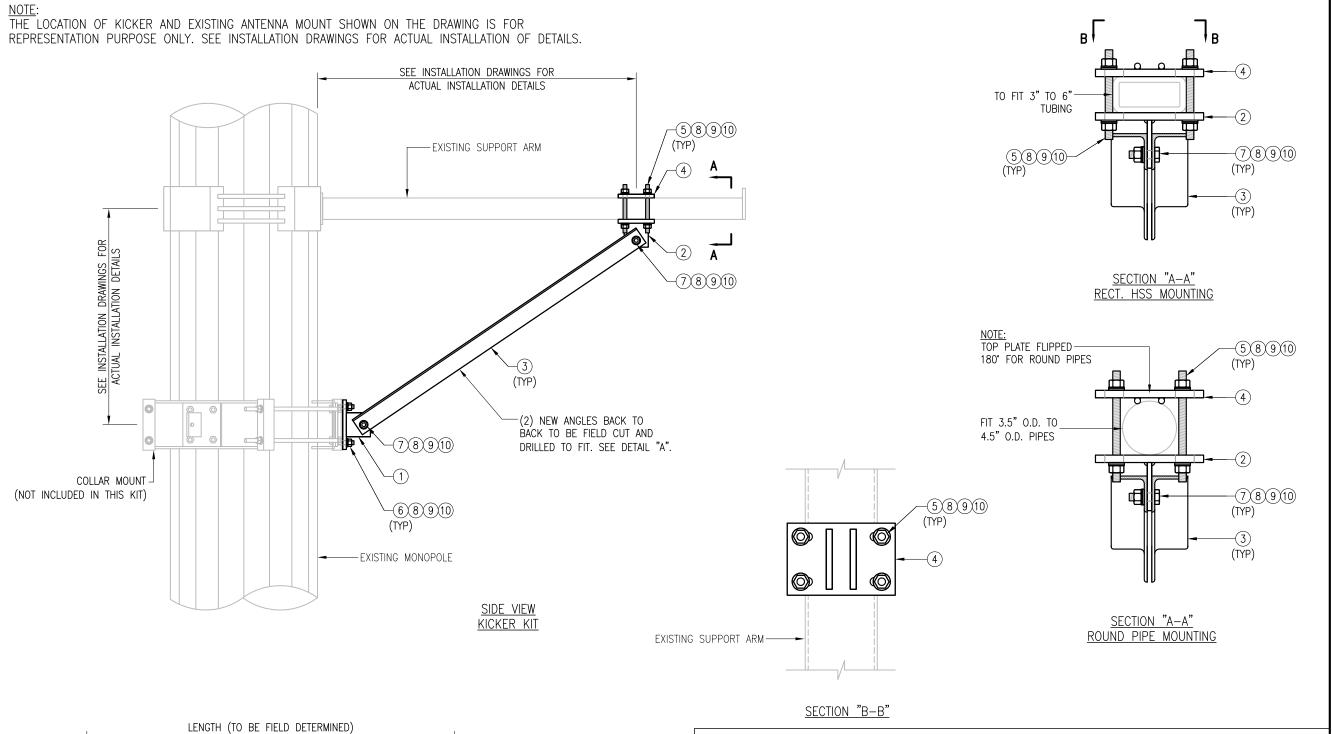
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| DRAWN BY: H.R | CHECKED BY: HMA |
|-------------------------------|----------------------|
| REV. DESCRIPTION FIRST ISSUE | BY DATE H.R 05/08/20 |
| SHEET TITLE: | |

VZWSMART-PLK1 SUPPORT RAIL KIT

VZWSMART-PLK1 REV #:



| - | LENGTH (TO BE FIELD DETERMI | NED) | |
|----------|-----------------------------|--------------|--------------------------|
| | | 1 1/8" (TYP) | 1 3/4" |
| + | * | | m., |
| | DETAIL "A" | | FIELD DRILL 11/16"Ø HOLE |

- 1. ALL HOLES ARE 11/16" DIA. U.N.O
- 2. HOT-DIPPED GALVANIZED PER ASTM A123. 3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

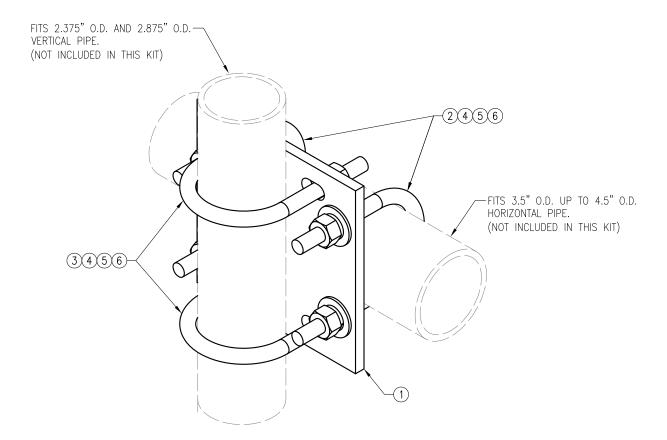
| | | | | | |] | |
|-------------|------|-----------|---|---------------|-------|-------------------------------|---------------|
| | | | VZWSMART-PLK5 (KICKER KIT) | | | DRAWN BY: MN CHECKET |) BY |
| ITEM NO. | QTY. | PART NO. | DESCRIPTION | SHEET # | WT | REV. DESCRIPTION FIRST ISSUE | BY MN |
| 1 | 3 | BRKW-XXX | BRACKET WELDMENT A36 | PLK5-F3 | 43.8 | <u></u> | |
| 2 | 3 | BRKW-XXXX | BRACKET WELDMENT A36 | PLK5-F2 | 35.7 | | |
| 3 | 6 | L331875-8 | L 3" X 3" X 3/16" X 8'-0" A36 | PLK5-F4 | 182.9 | | |
| 4 | 3 | PL-KI | PL 5/8" X 6" X 9" A36 | PLK5-F1 | 29.0 | | |
| 5 | 12 | | THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG | | | SHEET TITLE: | |
| 6 | 6 | | BOLT 5/8" X 2" A325 | | | VZWSMART-F | ılk |
| 7 | 12 | | BOLT 5/8" X 2 1/2" A325 | | | 1 1 | |
| 8 | 42 | FW-625 | 5/8" HDG USS FLAT WASHER | | 3 | KICKER KI | 1 |
| 9 | 42 | LW-625 | 5/8" HDG LOCK WASHER | | 1 | SHEET NUMBER: | $\overline{}$ |
| 10 | 42 | NUT-625 | 5/8" HDG HEX NUT | | 5 | 1 1 | . |
| | | | | GALVANIZED WT | 291 | VZWSMART-PLK5 | |

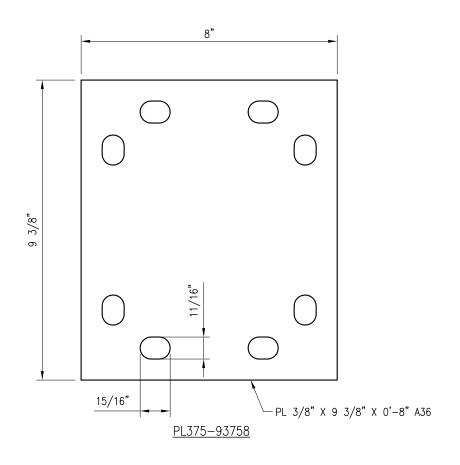
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| DRAWN BY: MN | CHECKED BY: HMA/KW |
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| REV. DESCRIPTION | BY DATE |
| <u> </u> | MN 05/08/20 |
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| $\overline{\wedge}$ | |
| SHEET TITLE: | |
| VZWSMAF | RT-PLK5 |

| KICKER | KIT | |
|---------------|-----|--------|
| SHEET NUMBER: | | REV #: |





| VZWSMART-MSK5 (CROSSOVER PLATE) | | | | | | | | | |
|---------------------------------|------|-------------------|--|------------|----|--|--|--|--|
| ITEM NO. | QTY. | PART NO. | DESCRIPTION | SHEET # | WT | | | | |
| 1 | 1 | PL375-93758 | PL 3/8" X 9 3/8" X 0'-8" A36 | MSK5-F1 | 8 | | | | |
| 2 | 2 | MS02-625-4625-700 | RU-BOLT 5/8" X 4 5/8" I.W. X 7" I.L. A36 (OR EQUIV.) | RBC-1 | 3 | | | | |
| 3 | 2 | MS02-625-300-500 | RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.) | RBC-1 | 3 | | | | |
| 4 | 8 | FW-625 | 5/8" HDG USS FLAT WASHER | | 1 | | | | |
| 5 | 8 | LW-625 | 5/8" HDG LOCK WASHER | | 0 | | | | |
| 6 | 8 | NUT-625 | 5/8" HDG HEX NUT | | 1 | | | | |
| | | | GAL | VANIZED WT | 16 | | | | |

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| RAWN BY: H.R | CHECKED BY: HMA |
|--|----------------------|
| REV. DESCRIPTION THE PROPERTY OF THE PROPERTY | BY DATE H.R 05/08/20 |
| VZWSMAF CROSSOVI | |

SHEET NUMBER: REV #:

VZWSMART-MSK5

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

<u>Purpose</u> – to provide Maser Consulting the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the
 install of the modification components. This may involve the install of wire rope guides, or other items
 to protect the wire rope.
- The photos in the file structure should be uploaded to https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- Base and "During Installation Photos"
 - Base pictures include
 - Photo of Gate Signs showing the tower owner, site name, and number
 - Photo of carrier shelter showing the carrier site name and number if available
 - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
 - o "During Installation Photos if provided must be placed only in this folder
- Photos taken at ground level
 - o Overall tower structure before and after installation of the modifications
 - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

Photos taken at Mount Elevation

- o Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
 - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
- O Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
- o Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
- Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
- o Photos showing the safety climb wire rope above and below the mount prior to modification.
- Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting.
 - If the drawings are as specified on the drawings
 - The contractor should provide the packing list or the materials utilized to perform the mount modification
 - If an equivalent is utilized
 - It is required that the Maser Consulting certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.

| | , | , |
|------------------------|-----------|--|
| | • | fied on the Maser Consulting Mount Modification Drawings and folder is a packing list or invoice for these materials |
| | • | ivalent" and included as part of the contractor submission is the ces, or specifications validating accepted status |
| Certifying Individual: | Company | |
| | Name | |
| | Signature | |

The contractor must certify that the materials meet these specifications by one of these methods.

| Antenna & equipment placement and Geometry Confirmation: | | | | | | | |
|---|--|--|--|--|--|--|--|
| • The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis. | | | | | | | |
| The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis. | | | | | | | |
| The contractor notes that the equipment on the mount is not in accordance with the antenna place diagrams and has accordingly marked up the diagrams or provided a diagram outlining the difference. | | | | | | | |
| Certifying Individual: Company | | | | | | | |
| Name | | | | | | | |
| Signature | | | | | | | |
| Special Instructions / Validation as required from the MA or Mod Drawings: | | | | | | | |
| Ssue: Contractor shall reroute the existing safety climb wire rope between the threaded rods of the existing and proposed collar mounts and the monopole tower. Contractor shall install safety climb wire rope guides to further prevent contact with the collar mount threaded rods. | | | | | | | |
| Contractor shall remove the existing RRH ring mount beneath the existing platform and relocate the existing surge suppressor onto a new 3' long P2.0 STD pipe, connected to the standoff horizontal with new VZWSmart-MSK5 crossover plate and (2) 1/2" dia. square U-bolts. | | | | | | | |
| Response: | | | | | | | |

Schedule A – Photo & Document File Structure

