PROJECT NAME: SAN FRANCISCO BAY EXPANSION - 58 SITES
PROJECT ADDRESS: ACROSS 304 MISSION AVE, SAN RAFAEL, CA
PROJECT TYPE: EXIST. WOOD JPA POLE
CUSTOMER NODE ID #: SF90XS3T5
CROWN NODE ID #: SFB004m1
HUB NAME: SF40XC103
COORDINATES: LAT: 37.972172 LONG: -122.515749
CROWN CASTLE BILLING / SCU #: 479641

PROJECT DESCRIPTION:
This project will consist of adding a new wood pole-top extension and canister antenna to the top of the pole. A side-mounted equipment chassis will also be installed to the existing pole. The equipment chassis will contain the following:

(1) New Radiocell RRU
(1) Fibre Enclosure Box
(1) Electrical Load Center / Distribution Panel
(1) Electrical Power Meter

APPLICATIONS:
- Handicapped Requirements: Not Applicable
- Handicapped Access: Requirements are not required

CODES:
- General Order (GO) 95, Rule 94
- 2015 International Building Code (IBC)
- 2014 National Electrical Code (NEC)

PLUMBING REQUIREMENTS:
- Facility has no plumbing

POWER COMPANY:
- Pacific Gas and Electric (PG&E)
for all coax waterproofing installation. see installation instructions for coax weather protection system for 1/4" Connections to antenna or device.

b. for 1/8" connections to antenna or device using insulated copper/or aluminum wire.

c. for wps-dra, male to port.

d. for wps-dra, male to port.

for 1/4" connections to antenna or device.

c. for wps-dra, male to port.

d. for wps-dra, male to port.

For Coax Waterproofing - Fusion Tape Type:

b. Provide (1) main ground from the antenna mounting bracket at the top of the pole, to the main ground bus bar (TMGB) (location defined below). Main vertical ground shall consist of # 2 solid bare copper or # 4 solid bare aluminum. Method of contact shall be 2 hole slotted lug (Brown) to the main ground bus bar (TMGB). M. All pole mounted devices, including but not limited to: (antenna mounts and antennas, mounting brackets, cabinets) shall be connected to the TMGB using compression type, 2 hole slotted lug (Brown) to the main ground bus bar (TMGB). N. All fittings exposed to environment must be sealed with shrink wrap. O. All connectors must be properly sealed from weather with heat shrink. P. Any modifications to the connector lugs is prohibited, including but not limited to grinding, cutting or bending. Q. All connector lugs must be properly sealed from weather with heat shrink. R. Photos of the tests are required as well as test results in formal document format. Submit result of test to CC Construction Manager prior to final walkthrough. Submit all photos and test results in formal document format.

For Ground Rod Details:

b. Provide (1) main ground from the main ground bus bar (TMGB) (location defined below) to a ground rod at the pole base. Main vertical ground shall consist of a # 2 solid bare copper or # 4 solid bare aluminum. Method of contact shall be 3/4" Cad Weld to the main ground bus bar (TMGB). S. Main ground vertical to the Antenna mounting bracket shall be attached directly to the Antenna Bracket via a self-tapping bolt or screw. A washer must be added to the thru bolt or screw. T. Main ground vertical shall be attached directly to a ground bus bar (TMGB) mounted to the face of the utility pole. Method of contact shall be 2 hole slotted lug (Brown) to the main ground bus bar (TMGB). U. Ground rod shall be attached to the utility company secondary lines with a 12" drip loop. V. All trenches shall be min. 24" in depth.
DISCONNECT MUST BE APPROVED BY PG&E

METER MUST BE APPROVED BY PG&E
PG&E SHUTDOWN PROCEDURE

Instructions for De-Energizing the Site:
1. Call Crown Castle Network operations center 1888-632-0931
2. Identify RF DISCONNECT BOX
3. Open RF DISCONNECT BOX
4. Open cover for RF Disconnect Breaker
5. Turn RF Disconnect Breaker to off position to de-energize node
6. To confirm that the site has been de-energized, PG&E crew technician can remove the single screw on the bottom right cover of the RF Disconnect Breaker and remove the cover to expose the source and load terminals on the switch and then check for no potential between the load terminal and ground to verify that no RF signal can be generated.
7. Notify Crown Castle Network operations center that work is complete