PROJECT NAME: ANTELLA RELOCATION

SITE NAME: CHERRY INDUSTRIAL

CASCADE #: SF52XC168

SITE ADDRESS: 6590 CENTRAL AVENUE
NEWARK, CA

SITE TYPE: NEW MONOPOLE

SITE INFORMATION

ARCHITECT: BORGE'S ARCHITECTURAL GROUP, INC.

PROPERTY OWNER: PRECISION SITE DEVELOPMENT LLC

STRUCTURAL ENGINEER: NORM SCHEEL, S.E., F ASCE, F SEAOC, LEED AP BD+C, LEED AP HOMES

CONSTRUCTION MANAGER: MOISES PALACIOS

APPLICANT: SPRINT

COUNTY: ALAMEDA COUNTY

LATITUDE IN DEGREES: 37.781107107

LONGITUDE IN DEGREES: -121.62749301

GROUND ELEVATION: ±20.5' AMSL

DISABLED ACCESS REQUIREMENTS

NOTICE: FACILITIES ARE DESIGNED NOT FOR HUMAN OCCUPATION. ACCESSIBILITY REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE CURRENT VERSIONS OF THE FOLLOWING CODES OR AS ADAPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PROJECTS IS INTENDED TO CONSTITUTE WORK OR SERVICE TO ACCOMMODATE HANDICAPPED PERSONS.

SPECIAL INSPECTIONS

POST INSTALLED ANCHORS

AREA MAP

APPLICABLE CODES

DRIVING DIRECTIONS: 12657 ALCOBIA BLVD. SAN RAMON, CA 94583

PROJECT DESCRIPTION

1. TURN RIGHT ONTO CENTRAL AVENUE RIGHT-OF-WAY.
2. TURN LEFT ONTO MOODY AVENUE TOWARDS CENTRAL FREMONT
3. TAKE RAMP RIGHT FOR MOODY AVENUE TOWARDS CENTRAL FREMONT
4. TURN LEFT ONTO CHERRY ST
5. TURN LEFT ONTO CANTON AVE
6. TURN LEFT ON CENTRAL AVE
7. ARRIVE CENTRAL AVE
8. 6590 CENTRAL AVE, NEWARK, CA 94560 ON LEFT

PROJECT DEPLOYMENT:

1. INSTALLATION OF ANTENNAS AND ASSOCIATED EQUIPMENT
2. INSTALLATION OF ANTENNAS AND ASSOCIATED EQUIPMENT
3. INSTALLATION OF ANTENNAS AND ASSOCIATED EQUIPMENT
4. INSTALLATION OF ANTENNAS AND ASSOCIATED EQUIPMENT
5. INSTALLATION OF ANTENNAS AND ASSOCIATED EQUIPMENT

NOTES:

1. ALL WORK SHOULD BE COMPLETE BY 6:00PM ON PROJECT DATE.
2. NO WORK PROPOSED WITHIN CHERRY STREET OR CENTRAL AVENUE RIGHT-OF-WAY.

DRAWING INDEX

SHEET NO: SHEET TITLE

1. T-1 SHEET & PROJECT DATA

PREPARED BY: J.E.S

CHECKED BY: M.T.D

DRAWN BY: J.E.S

PROJECT NO: T-16503-5

TITLE SHEET & PROJECT DATA

SHEET NUMBER A-1

10/30/18 100% ZD Submittal

SF52XC168

Cherry Industrial

5098 FOOTHILLS BLVD, STE 3-119

SAN RAMON, CA 94583

916 773 3037
THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

SECTION 01 100 - SCOPE OF WORK

THE WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE NATIONAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF.

PRECEDENCE:

LTS OCCUR BETWEEN THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITE DEVELOPMENT AND THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS. THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE.

SITE CLEANUP:

CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP ALL WORK DISTURBED OR GENERATED DURING THE PERFORMANCE OF THE CONSTRUCTION DRAWINGS. CONCOLOR DRAWINGS, SPECIFICATIONS, AND CONTRACT DOCUMENTS IN ACCORDANCE WITH REQUIREMENTS DETAILED IN THE CONSTRUCTION DRAWINGS.

DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE:

THE CONTRACTOR SHALL SUBMIT DRAWINGS, SPECIFICATIONS, AND CONTRACT DOCUMENTS AT JOBSITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL SUBMIT ALL DRAWINGS, SPECIFICATIONS, AND CONTRACT DOCUMENTS TO JOBSITE PRIOR TO CONSTRUCTION COMPLETION.

METHODS OF PROCEDURE FOR INSTALLATION:

CONSTRUCTION CONTRACTOR SHALL PERFORM WORK AS DESCRIBED AT THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS:

A. TOP TIE
B. BOTTOM TIE INSTALL A NEW CABINET
C. INSTALLATION OF BREAST PLATE
D. INSTALLATION OF HYBRID CABLE
E. INSTALLATION OF BRUFS
F. INSTALLATION OF BRUFS
G. CABLING
H. Install through 4x4 - ANTENNA LINE ACCEPTANCE STANDARDS
I. SPRING CONSTRUCTION ENGINEERING NOTICE - ON 2018 180 2018
J. COMMISSIONING CHECKS

SECTION 01 200 - COMPANY FURNISHED MATERIAL AND EQUIPMENT

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

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS AND EQUIPMENT TO ENSURE IT IS PROTECTED AND HANDLED PROPERLY THROUGHOUT THE CONSTRUCTION PERIOD. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.

ALL TESTING REQUIRED BY PLANNED INSTALLATION.

C. REQUIRED CLOSETOW DEDICATION INCLUDED, BUT NOT LIMITED TO THE FOLLOWING:

1. ADJACENCY, DOWNTILT, AGL FROM SUNSHINE INSTRUMENTS - ANTENNA ALIGNMENT TOOL (AAT)
2. SWEETY AND FIBER TESTS
3. SCANNABLE BARDUC PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SIZED EQUIPMENT
4. ALL AVAILABLE UNJUDGED (RFD) DRAWING
5. PDF SCAN OF REALINE PRODUCED IN FIELD
6. A PDF SCAN OF REALLINE MARKUPS FOR USE IN ELECTRONIC AS-BUILT DRAWING PRODUCTION
7. LID HANDERS
8. FINAL PAYMENT APPLICATION
9. REQUIRED FINAL CONSTRUCTION PHOTOS
10. CONTRACTOR AND COMMISSIONING CHECKLIST COMPLETE WITH DIFFERENT ITEMS
11. ALL PICTURES AND DOCUMENTS UPLOADED TO SYSTEMS (SPRING DOCUMENT REPOSITORY OR SYSTEMS)
12. CLOSING PHOTOGRAPHY

D. PROVIDE PHOTOGRAPHS OF FINAL PROJECT PER THE FOLLOWING LIST:

1. ADDITIONAL PHOTOS MAY BE REQUIRED TO SHOW ACCEPTANCE PROCESS
2. EACH MARK-BAY CABLE MINIMUM TWO PHOTOS
3. OF EACH ANTENNA AND BRU
4. MANUFACTURERS NAME TAG FOR ALL SIZED EQUIPMENT
5. PULL AND DISTRIBUTION BOXES INTERMEDIATE BETWEEN BRUFS AND BRUFRS (DOOR/open)
6. BRUFRS CABINET WITH DOOR KNEE SHOWING MODIFICATIONS
7. BRUFRS CABINET DOORS OPEN, BRUFRS INSTALLED
8. BREAK OUT CYLINDERS
9. ASR SIGNATURE FOR SPRINT OWNED TOWERS
10. RADIATION EXPOSURE WARNING SIGNS
11. PHOTOGRAPH FROM EACH SECTOR FROM APPROXIMATELY 45 DEGREES TO ANY ANTENNA AT HORIZON
12. LOAD PHOTOS TO SITE MAIN PROJECT LIBRARY CHAIN CREATE NEW CATEGORY 5.0 DEPLOYMENT AND RECORD PERMANENT CONSTRUCTION LOAD PHOTO WITH SITE CASCADE AND SPRINT LOGO ON BACK OF PHOTOGRAPH AND DISPLAY ORDINANCE PHOTOGRAPH SUCH THAT THE GPS COORDINATES ARE IDENTIFIED IN THE Photo-ID." MATERIAL.

E. COMPILATION:

PERFORM ALL COMMISSIONING ACTIVITIES AS REQUIRED BY MOPS.

QUALITY ASSURANCE:

CONTRACTOR COMPLIES WITH ALL ENVIRONMENTAL REGULATIONS FOR VOLATILE ORGANIC COMPOUNDS (VOC).

ANALYSIS:

A. COMPANY WILL PROVIDE FREQUENCY CONFIRMATION AND COMMENTS TO THE CONTRACTOR.
A. SUPPORT LADDER INSTALLATION WITH REGULAR HIGH VOLTAGE VERSUS ULTRAVIOLET.
A. CONSTRUCTION PHOTO IDENTIFICATION WITH STAIR AND DESIGNED CONSTRUCTION.
A. MEASURE ALL ENVIRONMENTAL REGULATIONS FOR VOLATILE ORGANIC COMPOUNDS.

QUALITY ASSURANCE:

A. COMPANY WILL PROVIDE FREQUENCY CONFIRMATION AND COMMENTS TO THE CONTRACTOR.
A. SUPPORT LADDER INSTALLATION WITH REGULAR HIGH VOLTAGE VERSUS ULTRAVIOLET.
A. CONSTRUCTION PHOTO IDENTIFICATION WITH STAIR AND DESIGNED CONSTRUCTION.
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A. COMPANY WILL PROVIDE FREQUENCY CONFIRMATION AND COMMENTS TO THE CONTRACTOR.
A. SUPPORT LADDER INSTALLATION WITH REGULAR HIGH VOLTAGE VERSUS ULTRAVIOLET.
A. CONSTRUCTION PHOTO IDENTIFICATION WITH STAIR AND DESIGNED CONSTRUCTION.
A. MEASURE ALL ENVIRONMENTAL REGULATIONS FOR VOLATILE ORGANIC COMPOUNDS.
CONTINUE FROM SP-1
1. GROUNDING OF TRANSMISSION LINES: ALL TRANSMISSION LINES SHALL BE GROUNDED AS INDICATED. PROVIDE PRODUCTS BY THE FOLLOWING:
   1. ALLIED TUBE AND CONDUIT
   2. B LINE SYSTEM
   3. SUNSET DIVERSIFIED PRODUCTS
   4. THOMAS & BETTS

B. FASTENING TYPES, MATERIALS, AND CONSTRUCTION FEATURES AS FOLLOW:
   1. EXPANSION BOLTS: CARBON STEEL, INDOOR OR EXCEPT FOR TYPE:
   2. POWER-DRIVEN THREADED STUDS: HEAT-TREATED STEEL, DESIGNED SPECIFICALLY FOR THE INTENDED SERVICE.
   3. FASTEN BY MEANS OF WOOD SCREWS ON WOOD.
   4. TOGGLE BOLTS ON HOLLOW MANDY MATERIALS.
   5. CONCRETE INSERTS OR EXPANSION BOLTS ON CONCRETE OR SOLID MANDY MATERIALS.
   6. MACHINE SCREWS, WELDED THREAD STUDS, OR SPRING-TENSION CLAMPS ON STEEL.
   7. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE SHALL NOT BE PERMITTED.
   8. NO WELD CONDUIT, PIPE STRAPS, OR ITEMS OTHER THAN THREADED STUDS TO STEEL, STRUCTURE.
   9. IN PARTITIONS OF LIGHT STEEL CONSTRUCTION, USE SHEET METAL SCREWS.

SUPPORTING DEVICES:
A. INSTALL SUPPORTING DEVICES TO FASTEN ELECTRICAL COMPONENTS SECURELY AND PERMANENTLY IN ACCORDANCE WITH NEC.
B. COORDINATE WITH THE BUILDING STRUCTURAL AND OTHER TRADES.
C. UNLESS OTHERWISE INDICATED ON THE DRAWING, FASTEN ELECTRICAL ITEMS AND THEIR SUPPORTING HARDWARE SECURELY TO THE STRUCTURE IN ACCORDANCE WITH THE FOLLOW:
D. ENSURE THAT THE LOAD APPLIED BY ANY FASTENER DOES NOT EXCEED 25 PERCENT OF THE BOLT'S DUTY RATING AS PERMITTED BY THE APPLICABLE INSTALLATION STANDARDS.
E. USE VIBRATION AND SHOCK RESISTANT FASTENERS FOR ATTACHMENTS TO CONCRETE SURFACES.

DC CIRCUIT BREAKER LABELING:
A. LABEL CIRCUIT BREAKERS ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001, REV. 1.

SECTION 26 100 - BASIC ELECTRICAL REQUIREMENTS

A. MANUFACTURERS OF EQUIPMENT SHALL HAVE A MINIMUM OF THREE YEARS EXPERIENCE WITH LABEL CIRCUIT BREAKERS ACCORDING TO SPRINT CELL SITE ENGINEERING NOTICE - EN 2012-001.
B. LABOR REQUIRED FOR INSTALLATION EQUIPMENT IN EXISTING CABINET OR NEW CABINET AS CONTRACTOR SHALL PROVIDE AND INSTALL ALL MISCELLANEOUS MATERIALS AND PROVIDE ALL SAME MANUFACTURER AND SHALL BE NEW, OF THE BEST QUALITY AND DESIGN, AND FREE FROM DEFECTS AND DESIGN, AND FREE FROM DEFECTS.
C. FIBER & COAX CONNECTORS AND GROUND KITS SHALL BE WEATHERPROOFED.
D. ALL EQUIPMENT FURNISHED UNDER DIVISION 26 SHALL CARRY UL LABELS AND LISTINGS WHERE REQUIRED.
E. ELECTRICAL IDENTIFICATION:
   1. ALL MATERIALS AND EQUIPMENT SPECIFIED IN DIVISION 26 OF THE REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING:
   2. MANUFACTURERS OF BOXES AND COVERS SHALL BE HOFFMAN, SQUARE “D”, CROUSE-HINDS, COOPER, ALPINE, OH GIDDY, RACO, OR APPROVED EQUAL.
F. SUPPORTING HARDWARE SECURELY TO THE STRUCTURE IN ACCORDANCE WITH THE FOLLOW:
   1. FASTEN BY MEANS OF WOOD SCREWS ON WOOD.
   2. TOGGLE BOLTS ON HOLLOW MANDY MATERIALS.
   3. CONCRETE INSERTS OR EXPANSION BOLTS ON CONCRETE OR SOLID MANDY MATERIALS.
   4. MACHINE SCREWS, WELDED THREAD STUDS, OR SPRING-TENSION CLAMPS ON STEEL.
   5. EXPLOSIVE DEVICES FOR ATTACHING HANGERS TO STRUCTURE SHALL NOT BE PERMITTED.
   6. NO WELD CONDUIT, PIPE STRAPS, OR ITEMS OTHER THAN THREADED STUDS TO STEEL, STRUCTURE.
   7. IN PARTITIONS OF LIGHT STEEL CONSTRUCTION, USE SHEET METAL SCREWS.

HUBS AND BOXES:
A. AT TERMINATIONS TO CABINETS OR OTHER EQUIPMENT NOT HAVING INTEGRAL THREADED HUBS PROVIDE METAL THREADZED HUBS OF THE SIZE AND CONFIGURATION REQUIRED. HUB SHALL INCLUDE LOCATING AND MARKING RING SEAL PROVIDE IMPACT RESISTANT 100 DEGREE C PLASTIC-BUSHING TO PROTECT CABLE INSTALLATION.
B. CABLE TERMINATION FITTINGS FOR CONDUIT
   1. CABLE TERMINATORS FOR RG5 CONDUIT SHALL BE TYPE CIRC BY GOS GIDNEY OR EQUIVALENT.
   2. CABLE TERMINATORS FOR LMR600 SHALL BE ETCC-328; OR MADE FOR THE PURPOSE OF PRODUCTS BY HOCUS.
C. EXTERIOR PULL BOXES AND PULL BOXES IN INTERIOR INDUSTRIAL AREAS SHALL BE PLATED CAST ALLOY; HEAVY DUTY, WEATHERPROOF, DUST PROOF, OR MADE FOR THE PURPOSE OF PROVIDE PRODUCTS BY HOCUS.
D. CONDUIT OUTLET BOXES SHALL BE PLATED CAST ALLOY WITH SIMILAR GASKETED COVERS.
E. MANUFACTURERS FOR BOXES AND COVERS SHALL BE HOFFMAN, SQUARE “D”, CROUSE-HINDS, COOPER, ALPINE, OH GIDDY, RACO, OR APPROVED EQUAL.

SUPPLEMENTAL GROUNDING SYSTEM
A. FURNISH AND INSTALL A SUPPLEMENTAL GROUNDING SYSTEM AS INDICATED ON THE DRAWINGS.
B. SUPPLEMENTAL GROUNDING SYSTEM ALL CONNECTIONS TO BE MADE WITH CEI WELDS, EXCEPT AT EQUIPMENT USE LUGS OR OTHER AVAILABLE GROUNDING MEANS AS REQUIRED BY CONTRACTOR, AT GROUND BAR USE TWO HOLE SPACES WITH NO ID.
C. STOOL GROUND-BARS IN THE EVENT OF STOOL GROUND-BARS. CONTACT SPRINT CM FOR REPLACEMENT INSTALLATION USING THREADED RED CONNECTORS.

EXISTING STRUCTURE:
A. ALL EXISTING EXPOSED STRINGS AND ALL EXPOSED IOLETS, RECEPCTCLES, SWITCHES, DEVICES, BOXES, AND OTHER EQUIPMENT THAT ARE NOT TO BE UTILIZED IN THE COMPLETED PROJECT SHALL BE REMOVED OR BE ENERGIZED AND CARRIED IN THE WALL, CEILING, OR FLOOR SO THAT THEY ARE CONCEALED AND SAFE. WALL, CEILING, OR FLOOR SHALL BE PATCHED TO MATCH THE INTENDED SERVICE.

CONDUIT AND CONDUCTOR INSTALLATION:
A. CONDUIT SHALL BE INSTALLED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND WRENCHES. EXPLODE DEVICES FOR ATTACHING WRENCHES TO STRUCTURES SHALL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES.
B. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A VIBRATION AND SHOCK RESISTANT MANNER. PARALLEL AND PERPENDICULAR TO THE STRUCTURE WALL AND CEILING LINES.
C. SUPPORT CONDUIT SHAL BE SUPPORTED BY USE MOUNTING BRACKETS, SUPPORT SYSTEM WITH NON-MAGNETIC STAINLESS STEEL FOIL CONDUITS OR WITH SECURITY CONDUITS OR WITH SECURITY CONDUITS.
No gracing or permanent construction shall occur within drip lines of trees that are to remain without arborist approval.

Prior to construction, general contractor to contact DigAlert to mark out existing underground utilities. In the event of conflict, contractor to contact PDC.
NOTES:
1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO REMAIN WITHOUT ARBORIST APPROVAL.
2. PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR TO CONTACT DIGALERT TO MARK OUT EXISTING UNDERGROUND UTILITIES. IN THE EVENT OF CONFLICTS, CONTRACTOR TO CONTACT PDC.
EXISTING SOUTHEAST ELEVATION

0'-0" BASE OF SILO
52'-0" (E) CLEARWIRE ANTENNA RAD CENTER
54'-0" (E) SPRINT ANTENNA RAD CENTER
56'-0" (E) SHELTER
100% ZD Submittal

1/4" = 1'-0"

EH WINDFORM TO BE REMOVED AND RELOCATED TO MONOPOLE

(E) SPRINT ANTENNA, HARDWARE & ASSOCIATED CABLES TO BE REMOVED AND RELOCATED TO (P) MONOPOLE

(E) HYBRID CABLES TO BE REMOVED AND RE-ROUTED TO (P) MONOPOLE

100% ZD Submittal

Plot Date: 4/16/2019 9:47:24 AM
File Name: T:\2016\T-16503_Precision Site Development LLC\SF52XC168-45\SF52XC168 Cherry Industrial\Sheets\Building A\A-3.1 ELEVATIONS.dwg
Plotted By: Dorel Gheorghiu

CHECKED BY: Dorel Gheorghiu
DRAWN BY: PROJECT NO:

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

borgesarch.com
10/30/18
100% ZD Submittal

A-3.1
### Material Safety Data Sheet

**Section 1: Products and Manufacturers**

**NARADA POWER SOURCE CO., LTD.**

12657 Alcosta Blvd., Suite 300
San Ramon, CA 94583

**CFC CHAPTER 6 COMPLIANCE**

**TOTAL kWh = (190Ah x 12V)/1000 x 16 BATTERIES = 36.48 kWh**

(SINCE <70 kWh OF CAPACITY, CFC CHAPTER 6, SECTION 608 NOT APPLICABLE)

**Battery Information**

<table>
<thead>
<tr>
<th>Battery Model</th>
<th>TOTAL # OF BATTERIES</th>
<th>VOLTAGE</th>
<th>CAPACITY (10 HOUR RATE)</th>
<th>ENERGY (10 HOUR RATE)</th>
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<tr>
<td>SF52XC168</td>
<td>16</td>
<td>12V</td>
<td>36.48 kWh</td>
<td>36.48 kWh</td>
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**Battery Data Chart**

- **Temperature:**
  - High: 100°F
  - Low: 0°F
  - Normal: 70°F

- **Discharge current:**
  - High: 5A
  - Low: 0.5A
  - Normal: 2A

**Batteries Installed: 16 Units**

**NARADA POWER SOURCE CO., LTD.**

12657 Alcosta Blvd., Suite 300
San Ramon, CA 94583

**Contact:**

- Tel: 916 782 7200
- Fax: 916 773 3037
- borgesarch.com

**Project No:**

- 100% ZD Submission
GROUNDING NOTES

1. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND MANUFACTURER SPECIFICATION.

2. IF THE AC PANEL IN THE POWER CABINET IS REMOVED AS REQUIRED, THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO THE SINGLE-POLE SERVICE DISCONNECTING MEANS.


4. EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTIONS WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL USE COMPRESSION TYPE (C-4), LUG RING, BEAD OR DOUBLE-CRIMP TO CLAMP THE COPPER CABLES.

5. USE COMPRESSION TYPE LUGS FOR TERMINATION. THE CABLE CLAMP MOUNTING KIT SHALL BE MADE OF STAINLESS STEEL 3/8 INCH, TO CONNECT TO THE GROUNDING BAR.

6. PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND/OR CEILINGS.

7. PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND/OR CEILINGS.

8. ANTENNA CABLES SHALL BE GROUNDED AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTING PROTECTION. THE ANTENNA CABLES SHALL BE GROUNDED AT THE Top AND BOTTOM OF THE VERTICAL RUN FOR LIGHTING PROTECTION.

9. ALL PROPOSED GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND ROD KIT. PROVIDE MECHANICAL LOCKED CONNECTIONS.

10. INSTALL MOUNTING PIPE (TYP) MECHANICAL CONNECTION FOR GROUNDING CONDUCTORS TO THE TOWER.

11. THIS DOCUMENT.
ONE LINE DIAGRAM AND PANEL SCHEDULE

PANEL SCHEDULE

PREFAILED BREAKER IN THE EXISTING PANEL

1. PROVIDE NEW BREAKER IN THIS EXISTING PANEL
   CLEARLY MARKED WITH PERMANENT LABEL.

2. PROVIDE NEW BREAKER IN THIS EXISTING PANEL.
   CLEARLY MARKED WITH PERMANENT LABEL.

3. PROVIDE NEW BREAKER IN THIS EXISTING PANEL.
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    CLEARLY MARKED WITH PERMANENT LABEL.

46. PROVIDE NEW BREAKER IN THIS EXISTING PANEL.
    CLEARLY MARKED WITH PERMANENT LABEL.

47. PROVIDE NEW BREAKER IN THIS EXISTING PANEL.
    CLEARLY MARKED WITH PERMANENT LABEL.

48. PROVIDE NEW BREAKER IN THIS EXISTING PANEL.
    CLEARLY MARKED WITH PERMANENT LABEL.

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    CLEARLY MARKED WITH PERMANENT LABEL.

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    CLEARLY MARKED WITH PERMANENT LABEL.

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    CLEARLY MARKED WITH PERMANENT LABEL.