



Verizon Wireless  
2285 Mitchell Drive, Suite 9  
Walnut Creek, CA 94598

Client:



Middle Management LLC  
785 Oak Grove Road #2  
Suite 201  
Concord, CA 94518  
F: 925.792.9754  
www.middlemanagementllc.com

Project Architect:



ON AIR  
460 Pied St. West, Suite 101  
Walnut Creek, CA 94598  
Tel: 925.938.8825  
Fax: 925.938.8111

Site Agent:

100% Construction  
Drawings

SF ALAMO 009  
(NEAR) 20 FRANCISCA WAY  
ALAMO, CA 94507

PSL # 433675

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a duly Licensed Professional Engineer, to alter this document.

Rev.	Date	Description
01	08/07/18	Coord. 100% 50%
02	08/07/18	Coord. 100%
03	08/07/18	Coord. 100%
04	02/14/18	Coord. 100%
05	04/03/18	Coord. 100%

Project No.:

Date: 08/07/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checkdate: RB

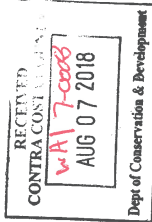
TITLE SHEET

Sheet Title:

T.1

Sheet No.:

© Middle Management LLC 2018



SF ALAMO 009

(NEAR) 20 FRANCISCA WAY  
ALAMO, CA 94507

PSL # 433675



SITE INFORMATION

PSL #: 433675  
OWNER: PEGEE CALIFORNIA, OMT POLE  
870 N. MCCARTHY BLVD, SUITE 110  
MILPITAS, CA 95035  
TEL: (408) 6558775  
APPLICANT: VERIZON WIRELESS  
2285 MITCHELL DRIVE, SUITE 9  
WALNUT CREEK, CA 94598  
AGENT: ON AIR LLC  
SUITE 101 WEST  
SONOMA, CA 95476  
TEL: (707) 7597453  
APN ADJACENCY: (IPO) 191-009-014  
SITE ADDRESS: (NEAR) 21 FRANCISCA WAY  
ALAMO, CA 94507  
COUNTY: CONTRA COSTA COUNTY  
ZONING: PUBLIC ROW  
ZONING JURISDICTION: CONTRA COSTA COUNTY

CODE COMPLIANCE

- CONSTRUCTION WORK AND MATERIAL SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY LOCAL JURISDICTION, INCLUDING BUT NOT LIMITED TO:
- CALIFORNIA CODE OF REGULATIONS
  - 2016 CALIFORNIA FIRE CODE
  - 2016 CALIFORNIA MECHANICAL CODE
  - 2016 CALIFORNIA PLUMBING CODE
  - 2016 CALIFORNIA ELECTRICAL CODE
  - 2016 GREEN CODE
  - 2016 CALIFORNIA ENERGY STANDARDS
  - 2016 CALIFORNIA ENERGY STANDARDS
  - CITY COUNTY ORDINANCES
  - CONTRACT SPECIFICATIONS
  - CONTRACT SPECIFICATIONS
  - CONTRACT SPECIFICATIONS

VICINITY MAP



DRIVING DIRECTIONS

- DIRECTIONS FROM VERIZON WIRELESS RE MARKET OFFICE:
- HEAD NORTH ON MICHELLE ON TOWARDS OAK GROVE RD
  - TURN RIGHT ONTO OAK GROVE RD
  - TURN LEFT ONTO YEMASCO VALLEY RD
  - TURN LEFT ONTO FRANCISCA WAY
  - USE THE LEFT 2 LANES TO TURN LEFT ONTO THE INTERSTATE 680'S SIP ROAD TO SAN JOSE
  - TURN RIGHT ONTO FRANCISCA WAY
  - TURN RIGHT ONTO ULYSSES RD
  - TURN LEFT ONTO DANVILLE BLVD
  - TURN LEFT ONTO FRANCISCA LANE
  - TURN LEFT ONTO FRANCISCA LANE

PROJECT TEAM

ON AIR, LLC  
ON AIR, LLC  
SUITE 101 WEST  
SONOMA, CA 95476  
PROJECT MGR: CHRIS FOULIER  
PHONE: 800-880-0809  
MOBILE: 707-732-2777  
FAX: 707-732-2777  
EMAIL: cfoulier@onairllc.com  
CONSTRUCTION MANAGER: MOHAMMAD A. BANIER  
MOBILE: 610-614-0705  
EMAIL: mbanier@onairllc.com  
SITE ACQUISITION AGENT: KATE HELLAND  
PHONE: 707-732-2777  
FAX: 707-732-2777  
EMAIL: philian@onairllc.com  
ARCHITECT/ENGINEER  
PROJECT MANAGER: JOSEPH BARNES  
MIDDLE MANAGEMENT, INC.  
MOBILE: 707-592-5054  
FAX: 707-592-5054  
EMAIL: rbanier@middlemanagement.com  
VERIZON WIRELESS  
REGIONAL OFFICE  
BUILDING 9  
2700 WILSON BLVD  
WALNUT CREEK, CA 94598

HANDICAP REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA PUBLIC ACCESS AND FACILITY ACT CODE PART 2, TITLE 24, CHAPTER 118, SECTION 11038.



PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR THE VERIZON WIRELESS NETWORK CONSISTING OF THE INSTALLATION AND OPERATION OF AN ANTENNA AND ASSOCIATED EQUIPMENT ON AN EXISTING WOOD POLE IN THE PUBLIC RIGHT-OF-WAY.

SCOPE OF WORK

- INSTALL NEW TELECOMMUNICATIONS EQUIPMENT BOXES ON A EXISTING 38.3 FT. FT. POLE
- POLE-MOUNTED EQUIPMENT TO BE INSTALLED ON A G995 COMPLIANT STANDOFF
- EQUIPMENT CONSISTS OF (1) 4 FT. ANTENNA ON POLE TOP EXTENSION, (2) BRASS AND (2) DIRECTIONAL DISKS, (3) 4 FT. BRASS, (1) DISCONNECT SWITCH, (1) DISTRIBUTION PANEL
- POWER SUPPLY LUMIN, AND (1) POLE-MOUNTED FIBER SMART METER.
- ALL POLE EQUIPMENT TO BE PAINTED VALSPAR DEEP EARTH COLOR.
- POWER SERVICE FROM OVERHEAD POC

DRAWING INDEX

SHEET NO.	TITLE	SHEET TITLE
T.1	TITLE SHEET	
C.1	SITE SURVEY	
C.2	SITE SURVEY	
A.1	OVERALL SITE PLAN	
A.2	POLE PLAN ENLARGEMENTS	
A.3	ELEVATIONS	
A.4	ELEVATIONS	
A.5	EQUIPMENT DETAILS	
A.6	EQUIPMENT DETAILS	
A.7	EQUIPMENT DETAILS	
E.1	SINGLE LINE DIAGRAM, BUSS DIAGRAM, PANEL SCHEDULE	
E.2	POLE GROUNDING, ELECTRICAL DETAILS	
TC.1	SITE SPECIFIC VEHICLE TRAFFIC CONTROL PLAN	

ADMINISTRATIVE REQUIREMENTS

CONTRACTOR SHALL VERIFY ALL PLANS & (E) DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME IF USING 11X17" PLOT. DRAWINGS WILL BE HALF SCALE

**SITE MAP**

A BOUNDARY SURVEY WAS NOT PERFORMED AT THIS TIME. RIGHT-OF-WAY WIDTHS AND PROPERTY LINE LOCATIONS SHOWN HEREON ARE BASED ON THE LOCATION OF EXISTING DRIVE AND BASED ON A COMBINATION OF AERIAL MAPS AND FIELD OBSERVATIONS FOR GRAPHICAL PURPOSES ONLY.

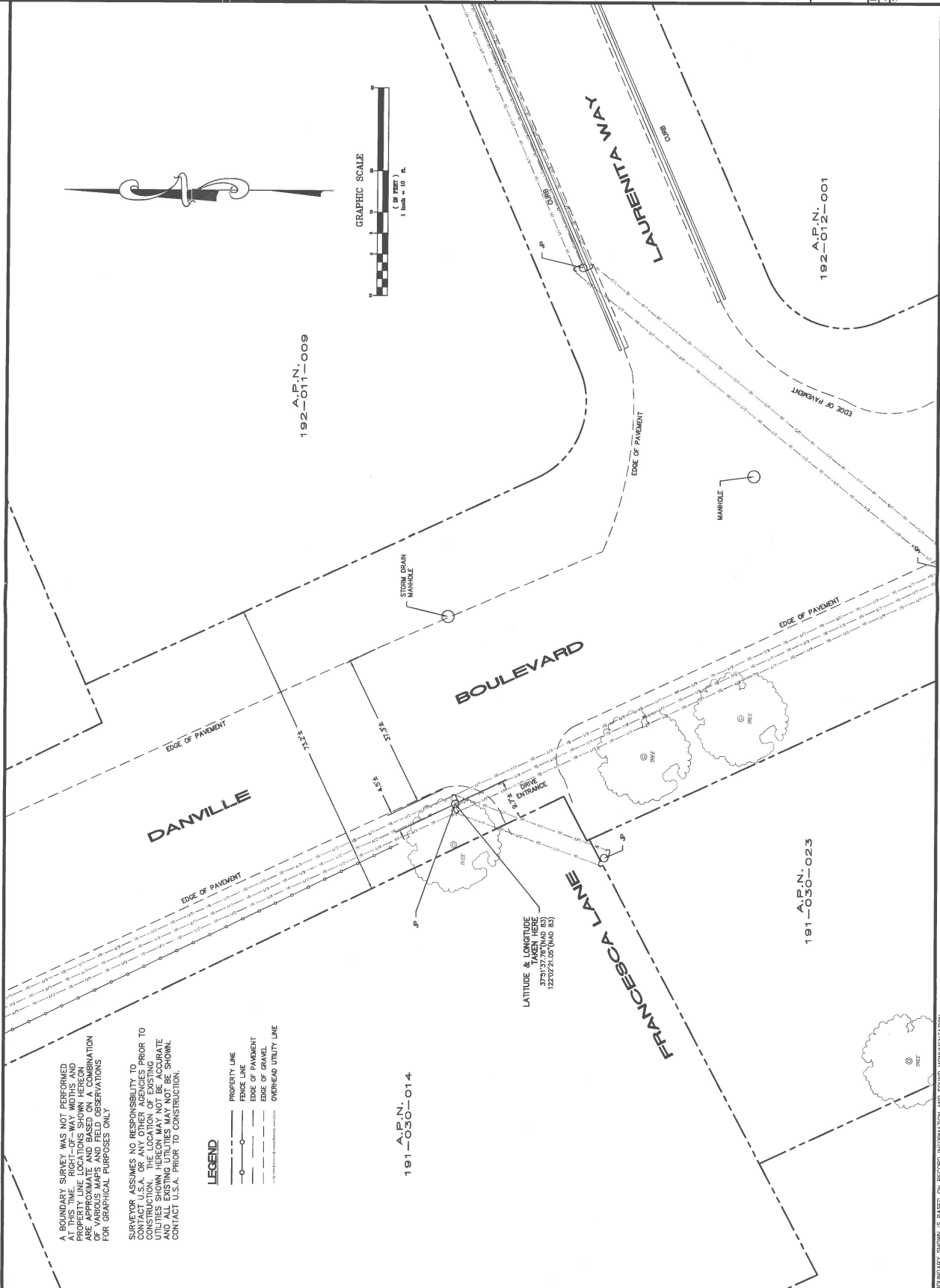
SURVEYOR ASSUMES NO RESPONSIBILITY TO CONTACT U.S.A. OR ANY OTHER AGENCIES PRIOR TO CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES IS NOT SHOWN. ALL EXISTING UTILITIES MAY NOT BE SHOWN. CONTACT U.S.A. PRIOR TO CONSTRUCTION.

**LEGEND**

- PROPERTY LINE
- - - - - EDGE OF PAVEMENT
- - - - - EDGE OF GRAVEL
- - - - - OVERHEAD UTILITY LINE

191-050-014

LATITUDE & LONGITUDE TAKEN HERE (NAD 83)  
 37°54' 22.05" (NAD 83)  
 122°02' 21.05" (NAD 83)



192-A.P.N.-009

192-012-001

191-050-023



Curtis C. Surveying, Professional Land Surveyor | Mapping | Drafting  
 425445 CA 9714 | CO 9814 | ID 1610 | NV 8074 | UT 72066  
 916-213-5500 | curtis@curtissurveying.com | www.curtissurveying.com

REVISIONS

NO.	DATE	DESCRIPTION
1	06/26/17	ISSUED FOR REVIEW



VERIZON WIRELESS  
 2785 MITCHELL DRIVE, BLDG 9  
 WALNUT CREEK, CA, 94598

433675  
 SF ALAMO 009  
 NEAR AV. FRANCISCA  
 & DANVILLE, ALAMO, CA

DRAWN: [ ] DATE: 07/08/17  
 JOB NO. 17013  
 SHEET NO. C-1

C-1

THIS SURVEY SHOWS THE LOCATION OF RECORD INFORMATION AND FOUND MONUMENTATION. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATE.





Verizon Wireless  
2745 Walnut Creek, CA 94598

Client:



Metzler Management LLC  
782 Oak Grove Road #2  
Suite 201  
Concord, CA 94518  
T 925.979.8974  
www.metzlermanagement.com

Project Architect:



ON AIR  
1400 Pine St. Wood, CA 94515  
Phone: 925.835.9100  
Fax: 925.835.9111

Site Agent:

100% Construction  
Drawings

Drawing Phase:

SF ALAMO 009  
(NEAR) 20 FRANCISCA WAY  
ALAMO, CA 94501

PRJ #433675

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a duly licensed professional engineer, to prepare or cause to be prepared any drawings or specifications for any project of engineering or architecture to be used for the construction of any building, structure, machine, apparatus, or other improvement to realty, without first being duly licensed as a professional engineer or architect.

Rev.	Date	Description
01	02/09/17	Comm. Drop: 90%
02	03/08/17	Comm. Drop: 100%
03	04/04/17	Comm. Drop: 100%
04	02/14/18	Comm. Drop: 100%
05	04/03/18	Comm. Drop: 100%

Project No.:

Date: 04/09/18 Job No.:

Scale: AS SHOWN CAD File:

Designed By: JG Checked: RB

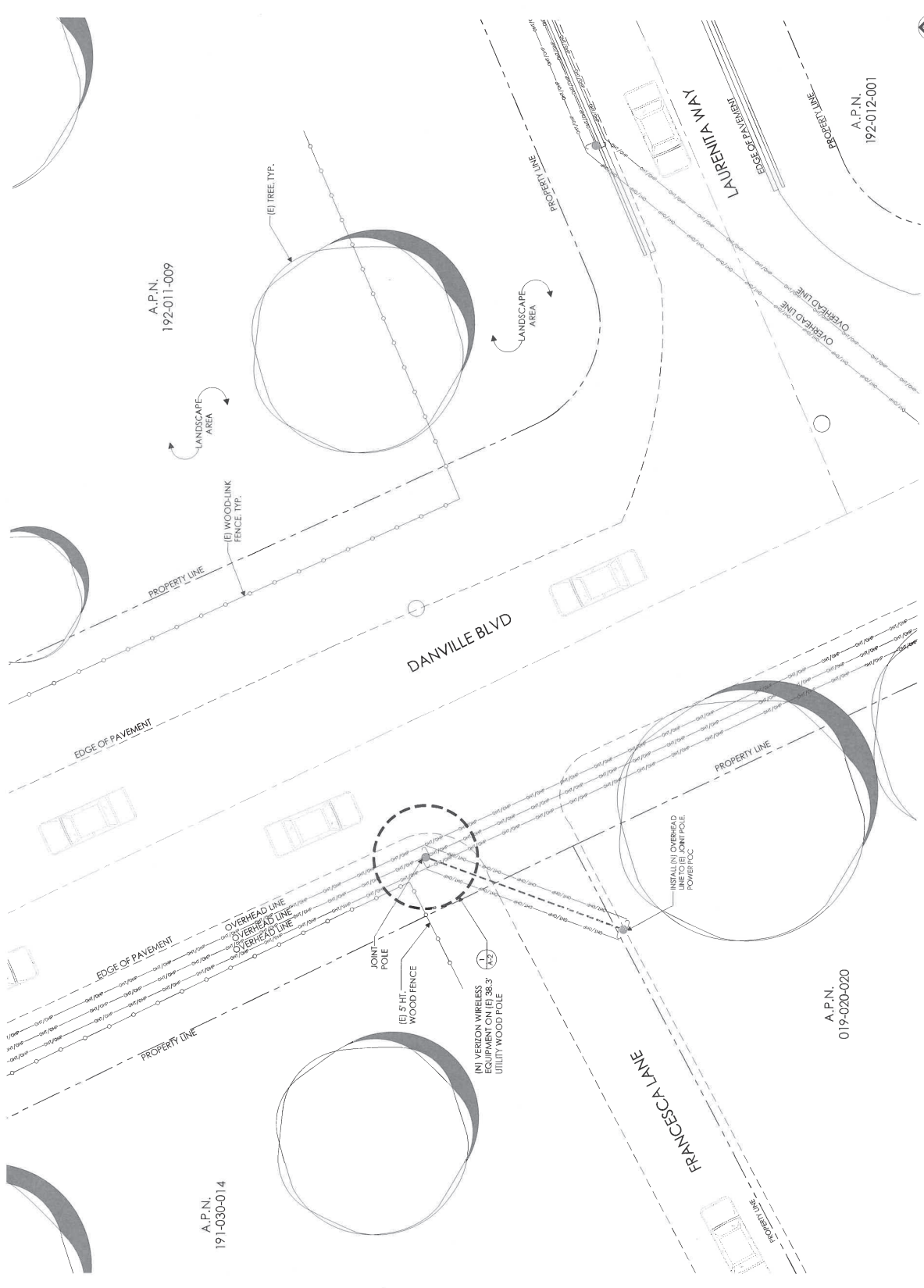
Overall Site Plan

Sheet Title:

A.1

Sheet No.:

©Metzler Management LLC 2018



A.P.N. 192-011-009

(E) WOODLINK FENCE, TYP.

(E) TREE, TYP.

DANVILLE BLVD

LABENIA WAY

A.P.N. 192-012-001

A.P.N. 191-030-014

(E) 38.3' UTILITY WOOD POLE

(N) VERIZON WIRELESS EQUIPMENT ON (E) 38.3' UTILITY WOOD POLE

INSTALL (N) OVERHEAD LINE TO (E) JOINT POLE POWER/CC

A.P.N. 019-020-020

FRANCISCA LANE



NORTH

SCALE 1/8" = 1'-0"



OVERALL SITE PLAN

1



Verizon Wireless  
2735 Alamo Drive, Suite 9  
Walnut Creek, CA 94598

Client:



Metric Management, LLC  
382 Oak Grove Road #2  
Suite 201  
Concord, CA 94528  
Tel: 925.252.5254  
www.metricmanagement.com

Project Architect:



ON AIR  
1485 Pine St. West, Suite 101  
Walnut Creek, CA 94597  
Tel: 925.835.3933  
Fax: 925.835.8111

Site Agency:

100% Construction  
Drawings  
Drawing Phase:

SF ALAMO 009  
191-030-014  
ALAMO, CA 94501

Site Name:

File #433675

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a duly Licensed Professional Engineer, to alter this document.

Rev.	Date	Description
01	09/01/17	Constr. Draw 100%
02	09/01/17	Constr. Draw 100%
03	10/01/17	Constr. Draw 100%
04	02/14/18	Constr. Draw 100%
05	04/01/18	Constr. Draw 100%

Project No.:

Date: 04/02/18

Job No.:

Scale: AS SHOWN

CAD File:

Designed By: JG

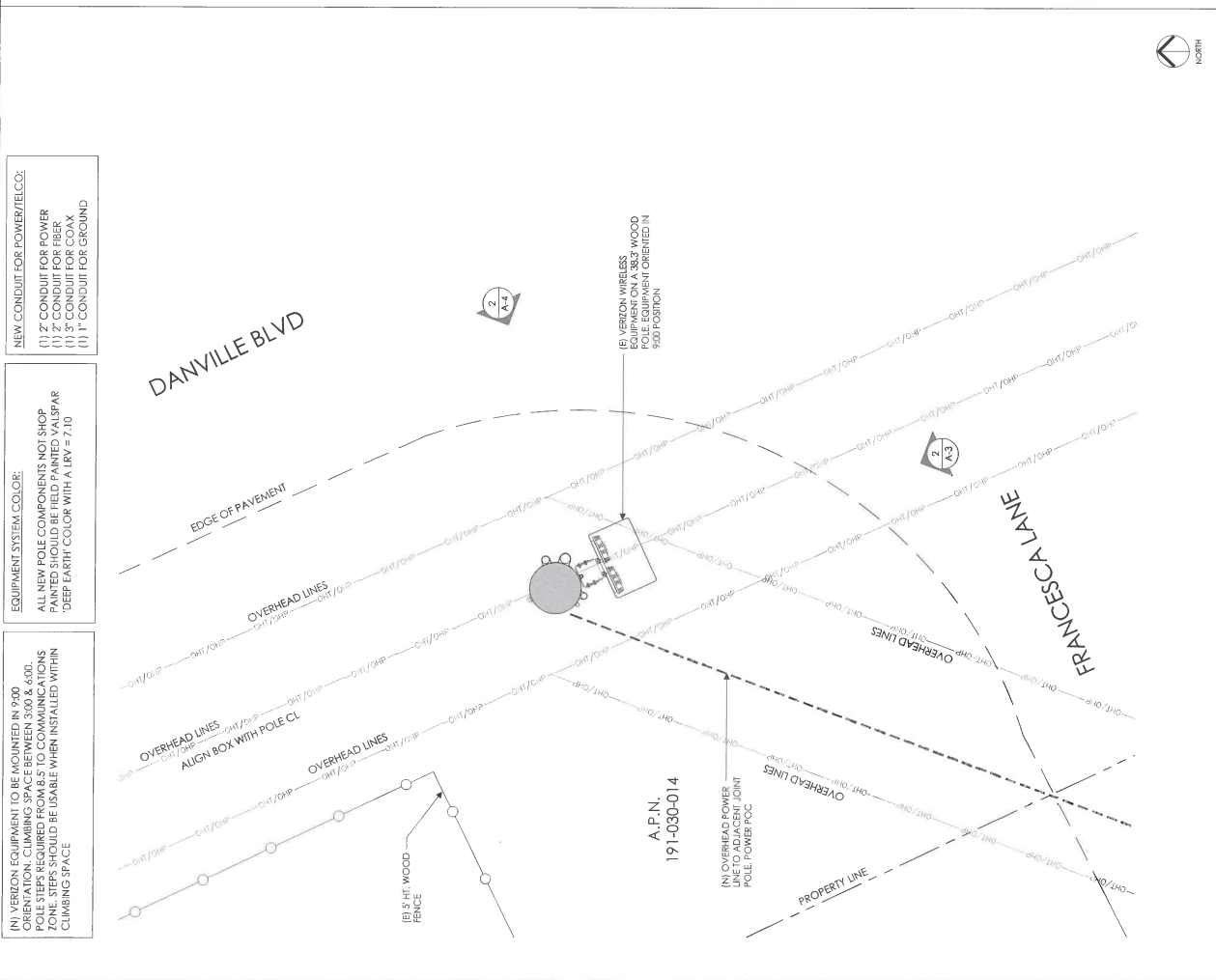
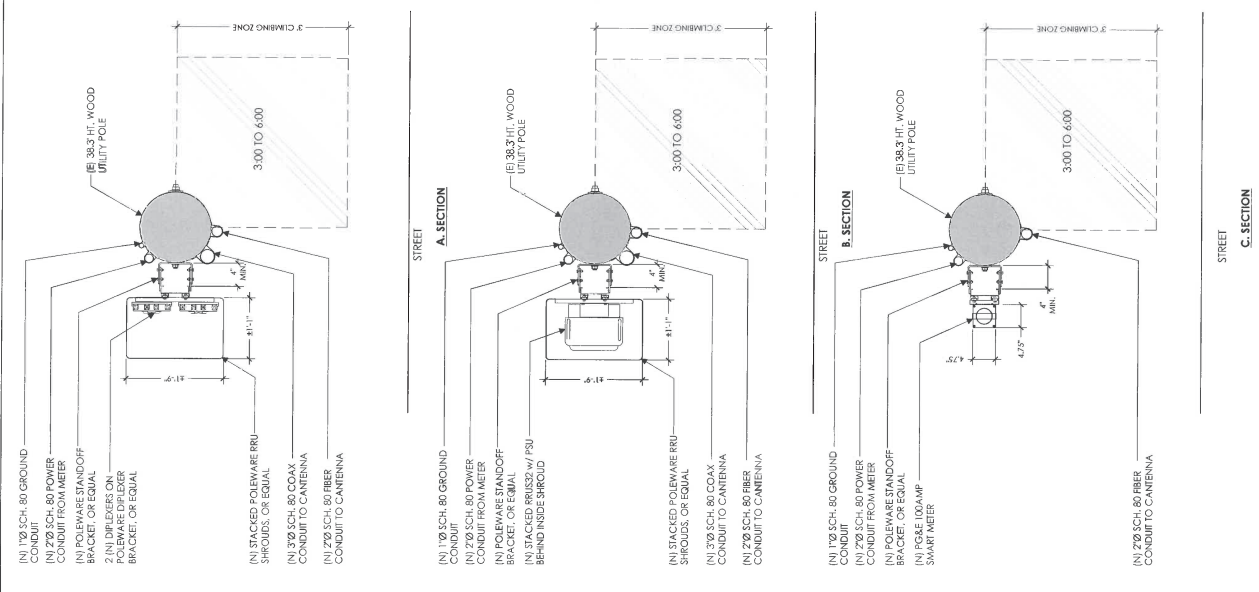
Checked: RB

POLE PLAN ENLARGEMENTS

Sheet Title:

A.2

Sheet No.:  
Metric Management, LLC 2018









Verizon Wireless  
205 Mitchell Drive, Suite 9  
Foster City, CA 95356



Metron Management LLC  
10000 S. Green Road #2  
Suite 100  
Concord, CA 94528  
707.923.9294  
www.metronmanagement.com

Project Architect:

**ON AIR**  
100% Construction  
Drawings

Site Agent:

100% Construction  
Drawings

Drinking Water:  
**SF ALAMO 009**  
(NEAR) 20 FRANCISCA WAY  
ALAMO, CA 94507

Site Name:  
PSU #433675

Professional Seal:  
It is a violation of law for any person  
unless they are acting under the direction  
of a licensed Professional  
Architect to prepare or submit this document.

Rev.	Date	Description
01	02/08/17	Comm. Drawg 90%
02	03/08/17	Comm. Drawg 100%
03	08/08/17	Comm. Drawg 100%
04	02/10/18	Comm. Drawg 100%
05	04/09/18	Comm. Drawg 100%

Project No.:  
Date: 04/09/18 Job No.:  
Scale: AS SHOWN CAD File:  
Designed By: JC Checked: RB

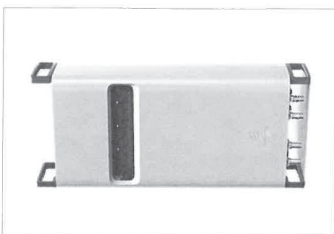
EQUIPMENT  
DETAILS

Sheet Title:  
**A.5**

Sheet No.:  
©Metron Management LLC, 2018



HEIGHT: 2.72 INCHES  
WIDTH: 10.79 INCHES  
DEPTH: 7.0 INCHES  
WEIGHT: 11.46 LBS  
(USED FOR RRUS32)



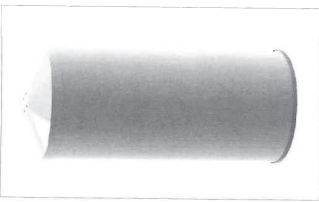
UNIT: ERICSSON RRUS32 B2  
HEIGHT: 27.2 INCHES  
WIDTH: 12.1 INCHES  
LENGTH: 7.0 INCHES  
WEIGHT: 53 LBS (EXCLUDES MOUNTING HARDWARE)

**1 POWER SUPPLY UNIT (PSU AC 08)**

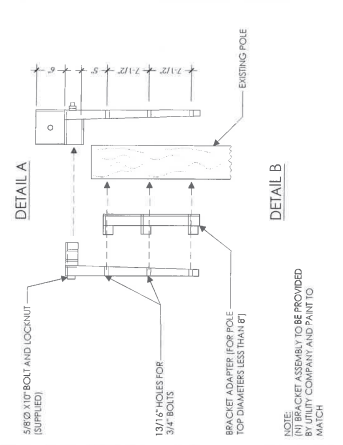
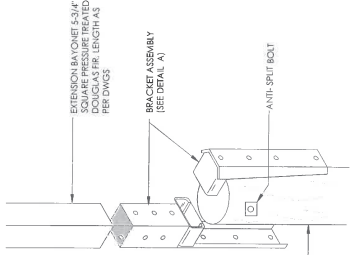
**4 DISCONNECT SWITCH**

**6**

HEIGHT: 48.0 INCHES  
DIAMETER: 14.6 INCHES  
WEIGHT: 38.1 LBS (WITHOUT  
MOUNTING BRACKET)

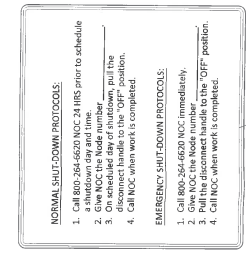


**CANTENNA**



NOTE: THIS UNIT IS TO BE ATTACHED TO EXTERIOR PANEL

CONTRACTOR NOTE: SITE ID WILL BE SITE ID, MARKET ID, SITE #, AND SITE NAME

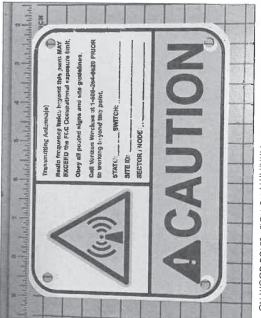


- NORMAL SHUT-DOWN PROTOCOLS:**
1. Call 800-364-6620 NCC 24 HRS prior to schedule shutdown day and time.
  2. Call NCC 24 HRS prior to shutdown.
  3. On scheduled day of shutdown, pull the disconnect handle to the "OFF" position.
  4. Call NCC when work is completed.
- EMERGENCY SHUT-DOWN PROTOCOLS:**
1. Call 800-364-6620 NCC immediately.
  2. Give NCC the Node number.
  3. Pull the disconnect handle to the "OFF" position.
  4. Call NCC when work is completed.

**5 DISCONNECT SIGNAGE**

**8 DISCONNECT SIGNAGE**

**9 RF WARNING SIGNAGE**

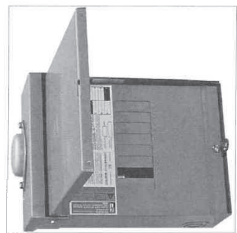


CONTRACTOR NOTES: SIGN ON ALUMINUM WITH SS SCREW TO THE POLE 3' BELOW ANTENNA  
SIGN # AS SHOWN  
AFFIX TO THE STRUCTURE 3'-4' BELOW THE COMMERCIAL RF ANTENNA (9) OR 2' BELOW LOWEST POWER WIRE

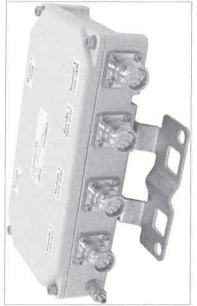
SIGN COLOR: YELLOW  
CONTRACTOR NOTES: SITE ID WILL BE SITE ID, MARKET ID, SITE #, AND SITE NAME

**RRUS32**

UNIT: 100 AMP AC DISTRIBUTION PANEL  
HEIGHT: 12.45 INCHES  
WIDTH: 8.9 INCHES  
DEPTH: 4.27 INCHES



**2 AC DISTRIBUTION PANEL**



UNIT: COMMSCOPE C8C 1923T-4310  
HEIGHT: 8.31 INCHES  
WIDTH: 2.48 INCHES  
DEPTH: 7.0 INCHES  
WEIGHT: 4.1 LBS

**3 POLETOP WOOD EXTENSION**

**5 DISCONNECT SIGNAGE**

**8 DISCONNECT SIGNAGE**

**9 RF WARNING SIGNAGE**







Verizon Wireless  
2785 Mitchell Drive, Suite 9  
Walnut Creek, CA 94598

Client:



Moderin Management, LLC  
785 Oak Grove Road E3  
Suite 201  
Concord, CA 94618  
707.932.9274  
www.moderinmanagement.com

Project Architect:



ON AIR  
1450 First St., Suite 101  
Alamo, CA 94501  
707.433.8811

Site Agent:

100% Construction  
Drawings

Drawing Phase:

SF ALAMO 009  
16E48, 120 BRANESCA WAY  
ALAMO, CA 94507

FSI #433675

Site Name:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a duly licensed Professional Engineer, Architect or Engineer, to alter this document.

Rev.	Date	Description
01	10/09/17	Issue Drawings
02	10/09/17	Issue Drawings 100%
03	10/09/17	Issue Drawings 100%
04	10/14/15	Issue Drawings 100%
05	10/09/15	Issue Drawings 100%

Project No.:

Date: 04/09/18

Job No.:

Scale: AS SHOWN

CAD File:

Designed By: JG

Checked: RB

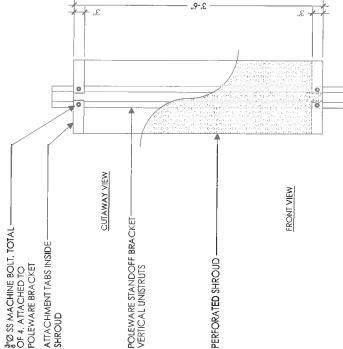
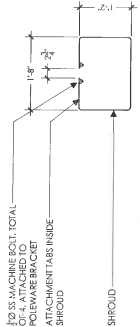
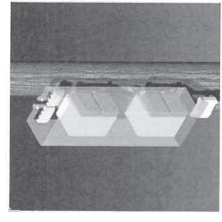
EQUIPMENT  
DETAILS

Sheet Title:

A.7

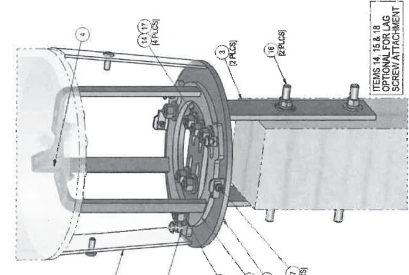
Sheet No.:

Moderin Management, LLC 11C 18



- NOTE
1. RRU SHROUD MODEL: 89105702201A, 1A, 1P AS MFG. BY FOLIVERARE, LLC. (P/N: 21-5119, OR EQUAL).
  2. ALL SURFACES SHOULD BE SHOP PRIMER PAINTED.
  3. ALL SURFACES SHOULD BE FINISHED WITH ENAMEL PAINT.
  4. W. THORNDALE AVE., PASCA, CA 94133, (800) 468-9210.
  5. CUSTOMER TO SPECIFY SHROUD HEIGHT AT TIME OF ORDERING.

ITEM #	QTY.	UNIT	DESCRIPTION
1	2	EA	1/2\"/>
2	1	EA	1/2\"/>
3	1	EA	1/2\"/>
4	1	EA	1/2\"/>
5	1	EA	1/2\"/>
6	1	EA	1/2\"/>
7	1	EA	1/2\"/>
8	1	EA	1/2\"/>
9	1	EA	1/2\"/>
10	1	EA	1/2\"/>
11	1	EA	1/2\"/>
12	1	EA	1/2\"/>
13	1	EA	1/2\"/>
14	1	EA	1/2\"/>
15	1	EA	1/2\"/>
16	1	EA	1/2\"/>
17	1	EA	1/2\"/>
18	1	EA	1/2\"/>
			TOTAL BULK WT 43



ISO VIEW  
PERFORATED SHROUD ATTACHED TO RAIN CAP WITH 1/2\"/>



ELEVATION VIEW  
ANTENNA ADAPTER COMPOSITE ANTENNAS  
ANTENNA MOUNT AMPHICENAL ANTENNAS



ANTENNA ADAPTER COMPOSITE ANTENNAS  
ANTENNA MOUNT AMPHICENAL ANTENNAS

ITEM #	QTY.	UNIT	DESCRIPTION
1	1	EA	1/2\"/>
2	1	EA	1/2\"/>
3	1	EA	1/2\"/>
4	1	EA	1/2\"/>
5	1	EA	1/2\"/>
6	1	EA	1/2\"/>
7	1	EA	1/2\"/>
8	1	EA	1/2\"/>
9	1	EA	1/2\"/>
10	1	EA	1/2\"/>
11	1	EA	1/2\"/>
12	1	EA	1/2\"/>
13	1	EA	1/2\"/>
14	1	EA	1/2\"/>
15	1	EA	1/2\"/>
16	1	EA	1/2\"/>
17	1	EA	1/2\"/>
18	1	EA	1/2\"/>
			TOTAL BULK WT 43

ANTENNA BRACKET

ANTENNA BRACKET

1 RRU SHROUD

2 SCALE NOT TO SCALE



Verizon Wireless  
2785 Mitchell Drive, Suite 9  
Vallejo, CA 94590

Client:



10000 Civic Road E2  
Suite 201  
Corte Madera, CA 94528  
707.992.2724  
www.meridianmanagement.com

Project Architect:



ON AIR  
Construction Management  
4800 Rockwood Drive, Suite 101  
Bakersfield, CA 93311  
Phone: 805.333.8811

Site Agent:

100% Construction Drawings

Drawing Phase:

SF ALAMO 009  
(NEAR) 20 FRANCISCA WAY  
ALAMO, CA 94507

PS: #432475

Site Name:

Professional Seal:  
I, the undersigned, being a duly licensed Professional Engineer in the State of California, hereby certify that I am the author of the above drawings and that I am a duly licensed Professional Engineer in the State of California. My commission expires on 12/31/2011.

Rev.	Date	Description
01	07/09/17	Create Dwg 50%
02	08/04/17	Create Dwg 100%
03	10/04/17	Create Dwg 100%
04	02/14/18	Create Dwg 100%
05	04/03/18	Create Dwg 100%

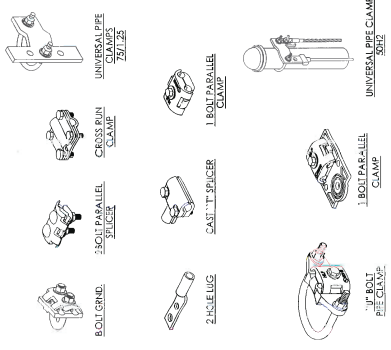
Project No.:  
Date: 04/03/18 Job No.:  
Scale: AS SHOWN CAD File:  
Designed By: JC Checked: RB

ELECTRICAL DETAILS

Sheet Title:

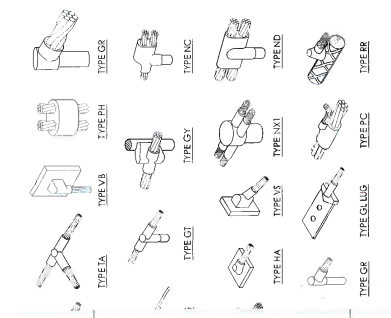
E.2

Sheet No.:  
© Meridian Management LLC, 2018



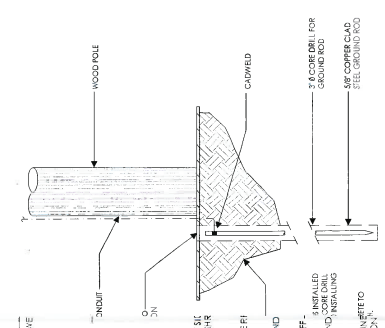
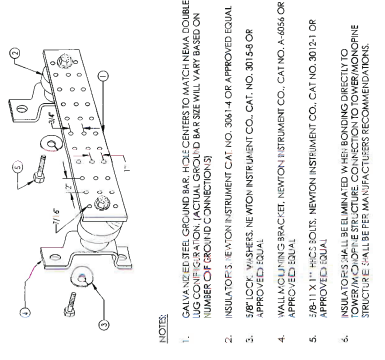
MECHANICAL CONNECTION

5



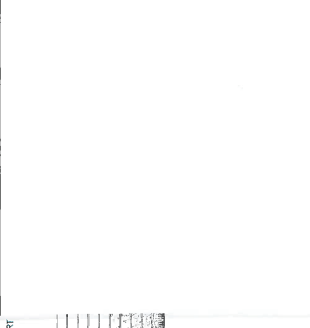
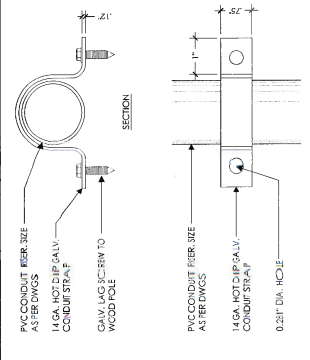
MIC WELD CONNECTION

2



6

3



7

4

- (N) 1" WARNING SIGN - LOCATED 3' BELOW POLE UNITS, FACING STREET
- (E) POLE WOOD UTILITY POLE
- (N) 2" CONCRETE SIDE BY SIDE FOR WAREHOUSE OR EQUAL
- (N) 1" ATTACHED POLYURETHANE INSULATED OR EQUAL
- (N) RUSSET W/FSU BEHIND
- (N) POLEWARE STANDOFF BRACKET OR EQUAL
- (N) RUSSET W/FSU BEHIND
- (N) SIZE BY SPEC CONNECTION TO CONDUIT
- (N) GROUND BUS BAR W/VC SIDE OF STANDOFF BRACKET TO LOCATE
- (N) POLE 100 AMP SMART MEEP

- (N) 1/4\"/>

POLE GROUNDING RISER





Verizon Wireless  
2285 Mitchell Drive, Suite 9  
Walnut Creek, CA 94598

Client:



Medison Management LLC  
785 Oak Grove Road #2  
Suite 201  
Carmel, CA 94518  
714.792.8974  
www.medisonmanagement.com

Project Architect:



ON AIR  
440 Pine St., Suite 101  
Walnut Creek, CA 94597  
Phone: 925.938.9930  
Fax: 925.938.9911

Site Name:

100% Construction Drawings

Drawing Phase:

SF ALAMO 009  
100% CONSTRUCTION DRAWING  
14000 G ST. WAY  
ALAMO, CA 94507

Proj. No.:

Rev. No.:

Professional Seal:

It is a violation of law for any person, unless they are acting under the direction of a duly Licensed Professional Engineer, to alter this document.

Architect/Engineer to alter this document.

Rev.	Date	Description
01	07/20/17	Issue: 100%
02	08/01/17	Issue: 100%
03	08/01/17	Issue: 100%
04	07/13/18	Issue: 100%
05	04/01/18	Issue: 100%

Project No.:

Date:

Scale:

Designed By:

Checked By:

RB

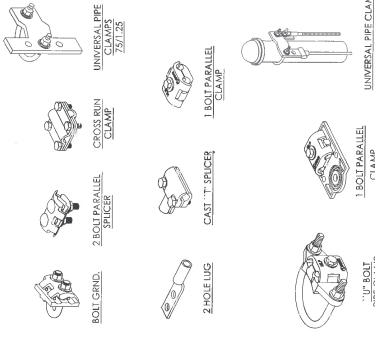
ELECTRICAL DETAILS

Sheet Title:

E.2

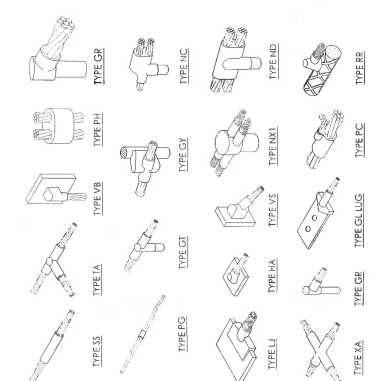
Sheet No.:

© Medison Management LLC, 2018



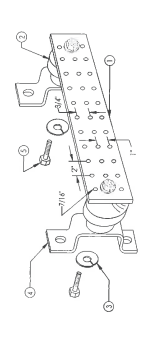
5

MECHANICAL CONNECTION



2

EXOTHERMIC WELD CONNECTION

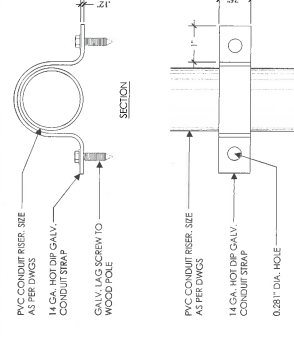


NOTES:

1. GALVANIZED STEEL GROUND BAR, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION. ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS.
2. INSULATORS, NEWTON INSTRUMENT CO., CAT. NO. 304-14 OR APPROVED EQUAL.
3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO., CAT. NO. 301-54 OR APPROVED EQUAL.
4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO., CAT. NO. A-655-0R APPROVED EQUAL.
5. 5/8-11 X 1" HIKCS BOLTS, NEWTON INSTRUMENT CO., CAT. NO. 301-21 OR APPROVED EQUAL.
6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO CONCRETE OR MORTAR SURFACE. CONNECTION TO CONCRETE OR MORTAR SURFACE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

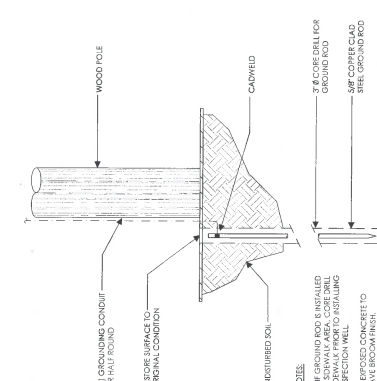
6

BUSS BAR



7

POLE CONDUIT STRAP



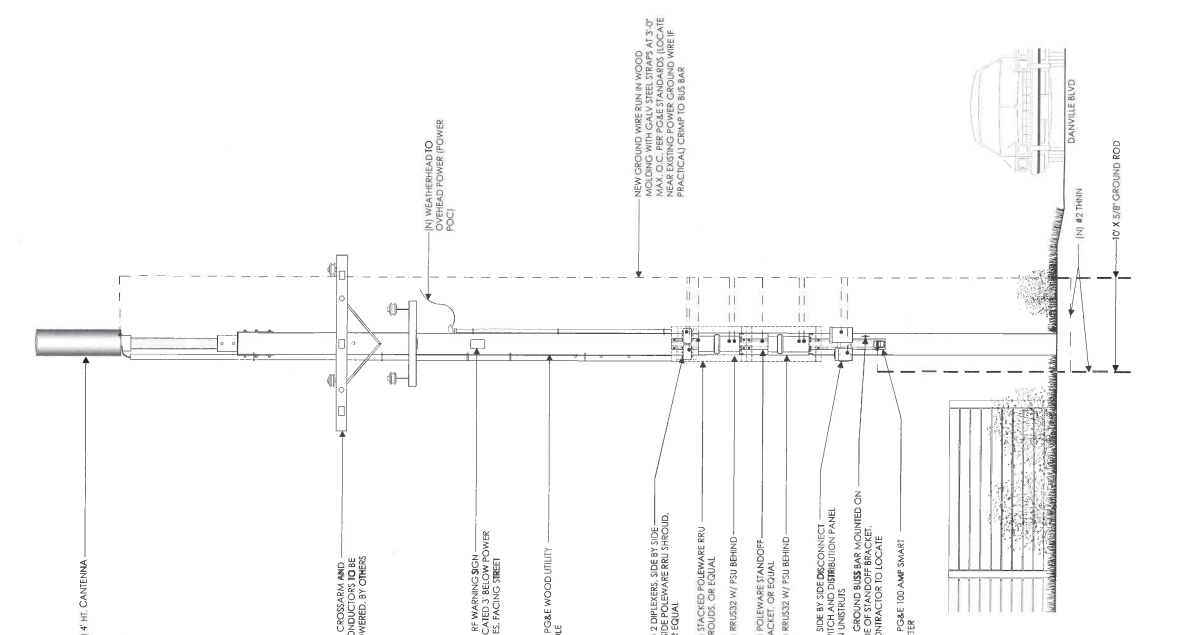
3

POLE GROUNDING ROD

- NOTES:
1. GROUND ROD IS INSTALLED WITH GALV. HOT DIP GALV. COATING. REMOVE GALV. COATING FROM CONTACT SURFACE OF GROUND ROD.
  2. EXPOSED CONCRETE TO HAVE BROKEN SURFACE.

4

NOT USED



1

POLE GROUNDING RISER DIAGRAM (TYP.)

**DOT NOTES:**

- WHEN LANE CLOSURES ARE REQUIRED, THE TRAFFIC CONTROL PLAN SHOULD BE PROVIDED AND NOTARIED BY AN INDIVIDUAL COMPANY THAT HAS FLAGGER CONTROL TRAINING CERTIFICATION.
- "BLUE LIGHTS" (OFF-DUTY POLICE OFFICERS) WILL BE ON-SITE FOR LANE CLOSURES AND IF REQUIRED.

**PLAN NOTES:**

- PLANS DEPICTED ARE GENERAL GUIDELINES FOR TEMPORARY VEHICULAR TRAFFIC CONTROL. CONTRACTOR SHALL CONSULT WITH THE FLAGGER SAFETY CONTRACTOR AS REQUIRED TO HAVE PREPARED THE SPECIFIC TCF FOR REVIEW AND APPROVAL BY THE HIGHWAY AUTHORITY HAVING JURISDICTION. IF REQUIRED, THE FIRM PREPARING THE TCF SHALL BE AUTHORIZED OR CERTIFIED BY THE AUTHORITY HAVING JURISDICTION.
- EXTEND CHANNELIZATION DEVICES INTO SHOULDER WHERE APPLICABLE.
- DISTANCES AS INDICATED IN TABLE 1 SHOULD BE INCREASED FOR CONDITIONS THAT WOULD AFFECT STOPPING DISTANCE SUCH AS DOWNGRADES OR LIMITED SIGHT DISTANCES. DISTANCES CAN BE INCREASED TO 100% OF THE INDICATED DISTANCES BY THE AUTHORITY HAVING JURISDICTION. UNLESS OTHERWISE SPECIFIED, IT IS REQUIRED AS A CONDITION OF APPROVAL BY THE HIGHWAY AND LOCAL AUTHORITY HAVING JURISDICTION.
- SHOULDER TAPER SHOULD BE 1/3 OF THE ON-STREET TAPER LENGTH.
- MAINTAIN A MINIMUM LANE WIDTH OF 10'.

