

CRAN RSFR LOSAO 11 SITE ID:

130 LOS ALTOS AVE SITE ADDRESS:

LOS ALTOS, CA 94022

PM#: TBD

SITE TYPE: PG&E POLE #TBD

POLE OWNER: PG&E

FA LOCATION: 14818955 USID: 204379

SITE INFORMATION

SAN RAMON, CA 94583

130 LOS ALTOS AVE

CITY OF LOS ALTOS

AT#T MOBILITY APPLICANT: 5001 EXECUTIVE PARKWAY

AGENT:

36 EXECUTIVE PARK, SUITE 210 IRVINE, CA 92614

ADJCT TO 167-35-054

LOS ALTOS, CA 94022

SITE ADDRESS:

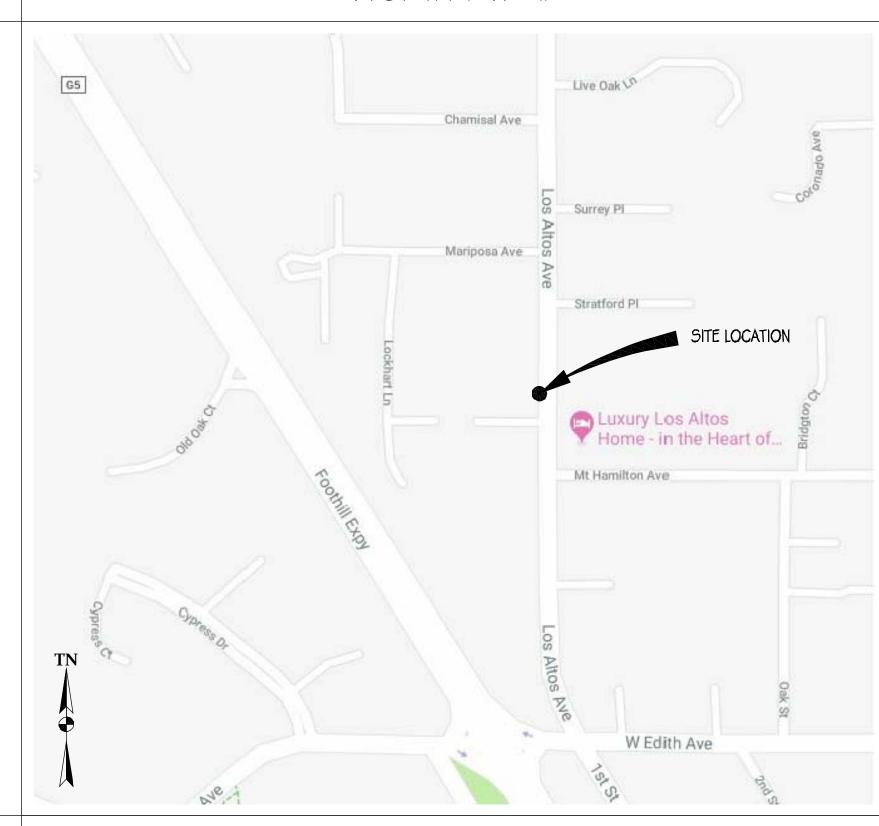
ZONING JURISDICTION:

COUNTY: SANTA CLARA 37° 23′ 1.40″ N (37.383722) NAD 83 LATITUDE:

LONGITUDE: 122° 07' 15.13" W (-122.120869) NAD 83

GROUND ELEVATION: ZONING: **PUBLIC ROW**

VICINITY MAP



CODE COMPLIANCE DRIVING DIRECTIONS

CONSTRUCTION WORKS & MATERIALS MUST COMPLY WITH ALL APPLICABLE NATIONAL, STATE \$ LOCAL CODES AS ADOPTED BY LOCAL JURISDICTION, INCLUDING BUT NOT LIMITED TO:

1. 2016 CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 \$ 25)

2. 2016 CALIFORNIA BUILDING CODE

3. 2016 CALIFORNIA ELECTRICAL CODE

4. 2016 CALIFORNIA MECHANICAL CODE

5. 2016 CALIFORNIA PLUMBING CODE

6. 2016 CALIFORNIA FIRE CODE

7. LOCAL BUILDING CODES

8. CITY/COUNTY ORDINANCES

9. ANSI/EIA-TIA-222-G

HANDICAP REQUIREMENTS

THIS FACILITY IS UNMANNED \$ NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS \$ REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE ADMINISTRATIVE CODE, TITLE 24 PART 2, SECTION 1105B.3.4.2, EXCEPTION 1

DIRECTIONS FROM AT&T WIRELESS WALNUT CREEK OFFICE

500 I EXECUTIVE PARKWAY, SAN RAMON, CA 94583 290 MT HAMILTON AVE, LOS ALTOS, CA 94022

END AT: 290 MT HAMILTON AVE, LOS ALTOS, CA 94022

ESTIMATED TIME: 52 MINS ESTIMATED DISTANCE: 40.5 MI

	1.	HEAD NORTHEAST ON BISHOP DR TOWARD SUNSET DR	256	FT
	2.	TURN RIGHT ONTO SUNSET DR	Q. I	MI
	3.	USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD	0.3	MI
	4.	USE THE RIGHT LANE TO MERGE ONTO 1-680 S VIA THE RAMP TO SAN JOSE	0.3	Ml
	5.	MERGE ONTO I-680 S	21.5	Μl
	6.	TAKE EXIT 12 FOR MISSION BLVD/STATE ROUTE 262 TOWARD I-880	0.2	Μl
	7.	FOLLOW SIGNS FOR MISSION BLVD W AND MERGE ONTO CA-262 S/MISSION BLVD	0.3	MI
	8.	MERGE ONTO CA-262 S/MISSION BLVD	0.6	Μl
	9.	USE THE LEFT 2 LANES TO TAKE THE EXIT TOWARD INTERSTATE 880 S/SAN JOSE	0.9	MI
	10.	MERGE ONTO I-880 S	3.1	Μl
	11.	USE THE RIGHT 2 LANES TO TAKE THE CA-237 W EXIT TOWARD MTN VIEW	0.9	MI
	12.	KEEP LEFT TO CONTINUE ON CA-237 W/SOUTHBAY FWY	8.9	MI
	13.	TURN RIGHT ONTO EL CAMINO REAL	1.4	MI
	14.	USE THE LEFT 2 LANES TO TURN LEFT ONTO EL MONTE AVE	266	FT
	15.	USE ANY LANE TO TURN LEFT TO STAY ON EL MONTE AVE	0.3	MI
	16.	TURN RIGHT ONTO N EL MONTE AVE	0.1	MI
	17.	TURN RIGHT ONTO ALMOND AVE	0.9	MI
	18.	TURN LEFT ONTO N SAN ANTONIO RD	0.1	Ml
	19.	TURN RIGHT AT THE 15T CROSS STREET ONTO MT HAMILTON AVE	0.3	MI
1				

PROJECT TEAM

SURESITE 2033 GATEWAY PLACE, 6TH FLOOR SAN JOSE, CA 95110 (949) 278-2962 L.MEINERS@SURE-SITE.COM

PROJECT MANAGERS: CHRIS JOHNSON

ERICSSON 6140 STONERIDGE MALL RD, SUITE 350 PLEASANTON, CA 94588

(408) 796-8443 CHRISTOPHER.JOHNSON@ERICSSON.COM

ARCHITECT/ENGINEER OF RECORD: BRET McCOMB

PRECISION DESIGN & DRAFTING, INC 11768 ATWOOD ROAD, SUITE #20 AUBURN, CA 95603 (530) 823-6546 BRET@PDND.COM

CONSTRUCTION MANAGER: DELBERT BUTCHER **ERICSSON** 6140 STONERIDGE MALL ROAD, SUITE 350 PLEASANTON, CA 94588

At all services & grounding trenches, provide

NATIONWIDE UNDERGROUND SERVICE ALERT

"CALL BEFORE YOU DIG"

811/800-227-2600

" WARNING" tape at 12" below grade.

(720) 317-7282

PROJECT DESCRIPTION

THIS IS AN UNMANNED TELECOMMUNICATIONS FACILITY FOR AT&T WIRELESS CONSISTING OF THE INSTALLATION & OPERATION OF

- 2. ALL EQUIPMENT, EQUIPMENT MOUNTING, CONDUITS, AND APPURTENANCES TO BE PAINTED TO MEET JURISDICTION APPROVAL
- 4. FIBER CONNECTION TO BE SECURE UNDER SEPARATE ENCROACHMENT PERMIT.

SHEET NO:

TITLE SHEET

SITE PLAN A-1

EQUIPMENT PLAN & ANTENNA PLANS

ELEVATIONS

SINGLE-LINE DIAGRAM & DETAILS

ANTENNAS & ASSOCIATED EQUIPMENT ON AN (E) PG&E UTILITY POLE IN THE PUBLIC RIGHT OF WAY.

SCOPE OF WORK:

- I. INSTALL (N) TELECOMMUNICATIONS EQUIPMENT BOXES ON AN (E) PG\$E UTILITY POLE. EQUIPMENT IS TO BE INSTALLED ON GO95 COMPLIANT STANDOFF BRACKET \$ CONSISTS OF (I) ELECTRICAL METER, (I) LOAD CENTER/AC DISCONNECT, (I) CONCEALMENT BOX CONTAINING (1) RRUS-4415 \$ (1) RRUS-11 W/ PSU UNITS, (2) DIPLEXERS, \$ (1) KMW FX-OM2L10H2-06T CYLINDRICAL ANTENNA.
- 3. UTILITY LINES BETWEEN (E) POINT OF CONNECTION \$ POLE TO BE UNDERGROUND AND/OR OVERHEAD.

DRAWING INDEX

GENERAL NOTES, LEGEND, & ABBREVIATIONS

ELEVATIONS

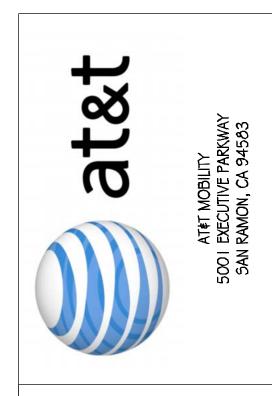
DETAILS

DETAILS

GROUNDING DIAGRAMS

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 11" X 17" PLOT. DRAWINGS WILL BE HALF SCALE







CRAN_RSFR_LOSAO_II

130 LOS ALTOS AVE LOS ALTOS, CA 94022

	ISSUE STATUS				
	\triangle	DATE	DESCRIPTION		
		01/30/19	CD 90%		
		07/24/19	CD 100%		
	. JONES				
	CHECK	FD BY: 1	DICARIO		

APPROVED BY: B. McCOMB 07/24/19 SHEET TITLE:

TITLE SHEET

SHEET NUMBER

GENERAL CONSTRUCTION NOTES

- 1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- 3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
- 4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- 5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- 6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE, THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYORS MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IS ANY DISCREPANCY IS FOUND BETWEEN THE CARJOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ ENGINEER.
- 7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
- 8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- 9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT, CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION, CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
- 10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT. ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PREFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ ENGINEER, FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE,
- 11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
- 12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED/ DISRUPTED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT/ ENGINEER AT COMPLETION OF PROJECT.
- 13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC, SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (QSHA) REQUIREMENTS.
- 14. INCLUDE MISC ITEMS PER AT IT WIRELESS SPECIFICATIONS.

SYMBOLS LEGEND

- 15. ALL EQUIPMENT LOGOS, OTHER THAN THOSE REQUIRED BY REGULATION (E.G. NODE IDENTIFICATION OR SHTUDOWN SIGNAGE) OR PG&E REGULATIONS SHALL BE PAINTED OVER OR REMOVED. RAISED/DEPRESSED LOGOS OR TEXT ON EQUIPMENT (E.G. RRUS), IF PRESENT, TO BE SANDED OFF OR COVERED WITH STICKER, & THEN PAINTED OVER.
- 16, FCNDATED RF WAC MARNING SIGNAGE SHALL FACE OUT TO STREET WHEN PLACED IN FRONT OF OR NEAR A WINDOW. SIGNAGE SHALL FACE TOWARD THE BUILDING IF THERE IS NO WINDOW.
- 17. ALL EQUIPMENT, INCLUDING ANTENNAS, MOUNTING/STANDOFF BRACKETS, POLE EXTENSIONS, CONDUIT, METER, AND RADIOS SHALL BE PAINTED 'MESA BROWN' USING A DURABLE OUTDOOR PAINT.

GROUT OR PLASTER

(E) BRICK

(E) MASONRY

CONCRETE

EARTH

PLYWOOD

SAND

STEEL

CENTERLINE

MATCH LINE

WORK POINT

COAXIAL CABLE

WOOD CONT.

WOOD BLOCKING

PROPERTY/LEASE LINE

GROUND CONDUCTOR

OVERHEAD SERVICE

CHAIN LINK FENCING

OVERHEAD TELEPHONE/OVERHEAD

OVERHEAD TELEPHONE LINE

OVERHEAD POWER LINE

—— C□AX ——

——OHT/OHP——

——— OHT ———

—— P ——

- 18. CABLING SHALL BE MESA BROWN IN COLOR AND SHALL BE INSTALLED IN A TIDY MANNER WITHOUT EXCESS CABLE LOOPS, \$ SHALL BE HIDDEN FROM VIEW TO THE MAXIMUM EXTENT POSSIBLE.
- 19. SUPPORT EQUIPMENT (E.G. METERS, DISCONNECT SWITCH, ETC) TO BE CLUSTERED VERTICALLY AS CLOSE AS TECHNICALLY FEASIBLE ON POLE.

NEW ANTENNA

EXISTING ANTENNA

GROUND BUSS BAR

MECHANICAL GRND. CONN.

GROUND ACCESS WELL

ELECTRIC BOX

TELEPHONE BOX

FND, MONUMENT

SPOT ELEVATION

GRID REFERENCE

DETAIL REFERENCE

ELEVATION REFERENCE

SECTION REFERENCE

SET POINT

REVISION

LIGHT POLE

GROUND ROD

GENERAL NOTES FOR EXISTING CELL SITES

- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
- CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. CONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION, ANY CONSTRUCTION WORK BY CONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION, ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE IS 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 ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND TI CABLES, GROUNDING CABLES AS SHOWN ON THE POWER AND GROUNDING PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY, CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

APPLICABLE CODES, REGULATIONS, AND STANDARDS

- CONTRACTORS WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION,
- THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
- CONTRACTORS WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 - -AMERICAN CONCRETE INSTITUTE (ACI) 3 | 8, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE -AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION -TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES -INSTITUTION FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT
- -IEEE CG2.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
- TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS AND TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
- ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

T TELCO RUN

----- G ----- GROUNDING CONDUCTOR

——— — — GROUNDING CONDUCTOR

— — CONDUIT UNDERGROUND

FUSE, SIZE AND TYPE AS INDICATED.

NEMA 3R ENCLOSURE

ENCLOSURE, SQ D CATALOG NO. H222NRB

SAFETY SWITCH, 2P-240V-60A W/60A FUSES, NEMA 3R

MANUAL TRANSFER SWITCH, 2P-240V-200A, NO FUSE,

LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'-0", 2/40W,

SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG

LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'-0", 2/95W,

SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG

LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL

EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG

LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL

5/8" X 10'-0", CU. GND ROD 18" MIN. BELOW GRADE.

LIGHTING FIXTURE, 1/175W. METAL HALIDE, HUBBELL CAT #MIC-0175H-336

EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING,

MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG-307

OR 1/50W, HUBBELL LIGHTING CATALOG #NRG-121

W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB

COMBINATION, EXIT SIGN & EMERGENCY LIGHTING,

LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG

HUBBELL LIGHTING CATALOG #PRC

#HEG-50-2-R91

#BRH-100-06-1

LIGHTING CATALOG #QL-505

TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

5/8" X 10'-0" ,CU. GND ROD IN TEST WELL 18" MIN.

BELOW GRADE.

CHEMICAL GROUND ROD (XIT GROUND ROD)

CADWELD CONNECTION

MECHANICAL CONNECTION

HALO GROUND CONNECTION

CIRCUIT BREAKER

UTILITY METER BASE

STEP-DOWN TRANSFORMER

RECEPTACLE, 2P-3W-125V-15A, DUPLEX,

TOGGLE SWITCH, IP-125V-15A,

HUBBELL CATALOG #HBL 1201CN

(N) POLE MOUNTED XFMER

(E) POLE MOUNTED XFMR

(N) PAD MOUNTED XFMER

(E) PAD MOUNTED XFMER

TOGGLE SWITCH, IP-120V-15A, "WP"

IONIZATION SMOKE DETECTOR WALARM HORN \$

AUXILIARY CONTACT, 120 VAC, GENTEX PART NO.

GROUND TYPE, HUBBELL CATALOG #5362

TRANSFORMER

POLE

GENERAL TRENCHING NOTES

- MAINTAIN 40" MINIMUM COVER FOR ALL ELECTRICAL CONDUITS.
- MAINTAIN 30" MINIMUM COVER FOR ALL TELECOMMUNICATIONS CONDUITS.
- MINIMUM I " SAND SHADING BELOW CONDUITS, AND 6" COVERING ON TOP OF CONDUITS REQUIRED. ALL ELECTRICAL CONDUITS FROM POWER COMPANY FROM ANY POLE, TRANSFORMER OR OTHER LOCATIONS WILL BE SLURRY BACKFILLED.
- IN STREET SLURRY TO GRADE AND MILL DOWN 1-1/2" FOR AC CAP.
- IN DIRT SLURRY 18" FROM GRADE AND FILL 95% COMPACTION NATIVE SOIL FOR BALANCE
- WARNING TAPE TO BE PLACED IN TRENCH 12" ABOVE ALL CONDUITS AND #18 WARNING TAPE ABOVE RING.

GENERAL GROUNDING NOTES

- 5/8° × 10' ROD, CAD WELD BELOW GRADE
- GROUND TESTED AT 5 OHMS OR LESS.
- #2 GROUND AND BOND WIRE. GROUND 2' MIN FROM POLE,
- PLACE 3 #10 GA WIRES FROM TESCO BREAKER TO PBMD OR STRONG BOX.
- WOOD MOULDING, STAPLED EVERY 3" AND AT EACH END, UNLESS OTHERWISE NOTED.

GENERAL CONDUIT NOTES

- ALL CONDUITS WILL BE MANDRELED AND EQUIPPED WITH 3/8" PULL ROPE.
- SCHEDULE 40 CONDUIT FOR UNDERGROUND USE.
- SCHEDULE 80 CONDUIT FOR RISER USE.
- 2" GALVANIZED STEEL CONDUIT FOR ANY CONDUIT UNDER 3", STUB UP 10" THEN CONVERT TO SCHEDULE 80.
- CONVERT 4" CONDUIT TO 3" AT BASE OF POLE.
- CONTRACTOR TO STUB UP POLE 10" w/ 3" POWER CONDUIT. POWER COMPANY TO CONVERT FROM 3" STUB SCHEDULE 80 TO 2" SCHEDULE 80 FROM TOP OF STUB UP.

TYPICAL R.O.W. POLE CONSTRUCTION NOTES

- CABLE NOT TO IMPEDE 15" CLEAR SPACE OFF POLE FACE.
- ALL CLIMB STEPS NEXT TO CONDUIT SHALL HAVE EXTENDED STEPS.
- NO BOLT THREADS TO PROTRUDE MORE THAN 1-1/2"
- ALL HOLES IN POLE LEFT FROM REARRANGEMENT OF CLIMBERS TO BE FILLED.
- 90° SHORT SWEEPS UNDER ANTENNA ARM, ALL CABLES MUST TRANSITION ON THE INSIDE OR BOTTOM OF THE ARM (NO CABLE ON TOP OF ARM).
- USE 90° CONNECTOR AT CABLE CONNECTION FOR OMNI DOWN ANTENNAS.
- USE CABLE CLAMPS TO SECURE CAB;LE TO ARMS, PLACE 2" T-MOBILE CABLE I.D. TAGS ON BOTH SIDES OF ARMS.
- USE 1/2" DIA, CABLE ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
- FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.

ABBREVIATIONS

HIGH PRESSURE SODIUM

4	AMPERE	нт	HEIGHT
∖ B	ANCHOR BOLT	ICGB	ISOLATED COPPER GROUND BUSS
.BV .CCA	ABOVE ANTENNA CABLE COVER ASSEMBLY	(N, (")	INCH(E5)
DD'L	ADDITIONAL	IN⊤ LB, (#)	interior Polind(5)
PF	ABOVE FINISHED FLOOR	LAG	LAG BOLTS
Ğ	ABOVE FINISHED GRADE	<u> </u>	LINEAR FEET (FOOT)
C .UM	AMPERE INTERRUPTING CAPACITY ALUMINUM	ітн	LENGTH
JONI J	ALTERNATE	L LPS	LONG(ITUDINAL) LOW PRESSURE SODIUM
, IT	ANTENNA	MAS	MASONRY
PROX	APPROXIMATE(LY)	MAX	MAXIMUM
RCH F	ARCHITECT(URAL)	MB	MACHINE BOLT
r VG	AMPERE TRIP AMERICAN WIRE GAUGE	MECH	MECHANICAL
ίΤ	BATTERY	MFR MIN	MANUFACTURER MINIMUM
)	BOARD	MISC	MISCELLANEOUS
.DG	BUILDING	MLO	MAIN LUGS ONLY
K KG	BLOCK BLOCKING	MTD	MOUNTED
/	BEAM	MTG Mπ	MOUNTING METAL
1	BOUNDARY NAILING	MTS	MANUAL TRANSFER SWITCH
(BRANCH BREAKED	N	NEUTRAL
KR CW	BREAKER BARE TINNED COPPER WIRE	(N)	NEW
5	BASE TRANSMISSION SYSTEM	NEMÁ NO, (#)	NATIONAL ELECTRICAL MANUFACTURERS ASSO NUMBER
)F	BOTTOM OF FOOTING	NTS	NOT TO SCALE
J	BACK-UP CABINET	OH	OVERHEAD
В	CONDUIT CABINET	OC .	ON CENTER
NT	CANTILEVER(ED)	OPNG P	OPENING POLE
3	CIRCUIT BREAKER	P/C	PRECAST CONCRETE
P	CAST IN PLACE	rcs	PERSONAL COMMUNICATION SERVICES
(T	CIRCUIT	PH	PHASE
G R	CEILING CLEAR	PLY	PLYWOOD
)Ĺ	COLUMN	PNLBD PPC	PANELBOARD POWER PROTECTION CABINET
NC	CONCRETE	PRC	PRIMARY RADIO CABINET
NN NGT	CONNECTION(OR)	PRI	PRIMARY
)n s t)nt	CONSTRUCTION CONTINUOUS	PSF	POUNDS PER SQUARE FOOT
7141	PENNY (NAILS)	P51 P T	POUNDS PER SQUARE INCH
SL.	DOUBLE	PWR	PRESSURE TREATED POWER (CABINET)
M	DEMAND	QTY	QUANTITY
PT	DEPARTMENT DOUGLAG FIR	RAD, (R)	radius
E A	DOUGLAS FIR DIAMETER	RCPT	RECEPTACLE
ÂG	DIAGONAL	ref Reinf	REFERENCE REINFORCEMENT(ING)
М	DIMENSION	REQ'D	REQUIRED
VG	DRAWING(5)	RG5	RIGID GALVANIZED STEEL
VL `	Dowel(5) Each	SAF	SAFETY
, 宋	EMERGENCY GENERATOR RECEPTACLE	SCH SDBC	SCHEDULE SOFT DRAWN BARE COPPER
	ELEVATION	SEC	SECONDARY
EC	ELECTRICAL	SHT	SHEET
EV IT	ELEVATOR ELECTRICAL METALLIC TUBING	SIM	SIMILAR
11	EDGE NAIL	SN	SOLID NEUTRAL
İCL	ENCLOSURE	SPEC SQ	SPECIFICATION(S) SQUARE
G	ENGINEER	55	STAINLESS STEEL
<u>(</u>	EQUAL	STD	STANDARD
ST, (E) P	EXISTING EXPANSION	STL	STEEL
Г	EXTERIOR	STRUC SURF	STRUCTURAL SURFACE
B	FABRICATION(OR)	SW SW	SWTCH
С	FACTOR	TEL	TELEPHONE
	FIRE ALARM	TEMP	TEMPORARY
	FINISH FLOOR FINISH GRADE	THK	THICK(NESS)
ĺ	FINISH (ED)	tn Toa	TOE NAIL
₹	FLOOR	TOC	Top of Antenna Top of Curb
JOR	FLUORESCENT	TOF	TOP OF FOUNDATION
N C	FOUNDATION FACE OF CONCRETE	TOP	TOP OF PLATE (PARAPET)
M M	FACE OF CONCRETE FACE OF MASONRY	TOS	TOP OF STEEL
9	FACE OF STUD	TOW TYP	TOP OF WALL TYPICAL
W	FACE OF WALL	UG	UNDER GROUND
AN.	FINISH SURFACE	UL	UNDERWRITERS LABORATORY INC.
. (¹) G	FOOT (FEET) FOOTING	UNO	UNLESS NOTED OTHERWISE
3	FUSE	V	VOLT
	GROUND	VAC VIF	VOLT ALTERNATING CURRENT VERJPY IN FIELD
[GROWTH (CABINET)	W	WATT OR WIRE
) Ski	GAUGE	ŴD	WIDE(WIDTH)
TV V	GENERATOR GALVANIZE(D)	W/	WITH
CI	GROUND FAULT CIRCUIT INTERRUPTER	W/O	WITHOUT
В	GLUE LAMINATED BEAM	WD WP	WOOD WEATHERPROOF
ID .	GROUND	wr WT	WEIGHT
5	GLOBAL POSITIONING SYSTEM	XFER	TRANSFER
IND BC	GROUND HARD DRAWN COPPER WIRE	XPMR	TRANSFORMER
DG DG	HOT-DIP GALVANIZE(D)	XLPE C	CROSS-LINK POLYETHYLENE
DR	HEADER	Vk ₽	CENTERLINE





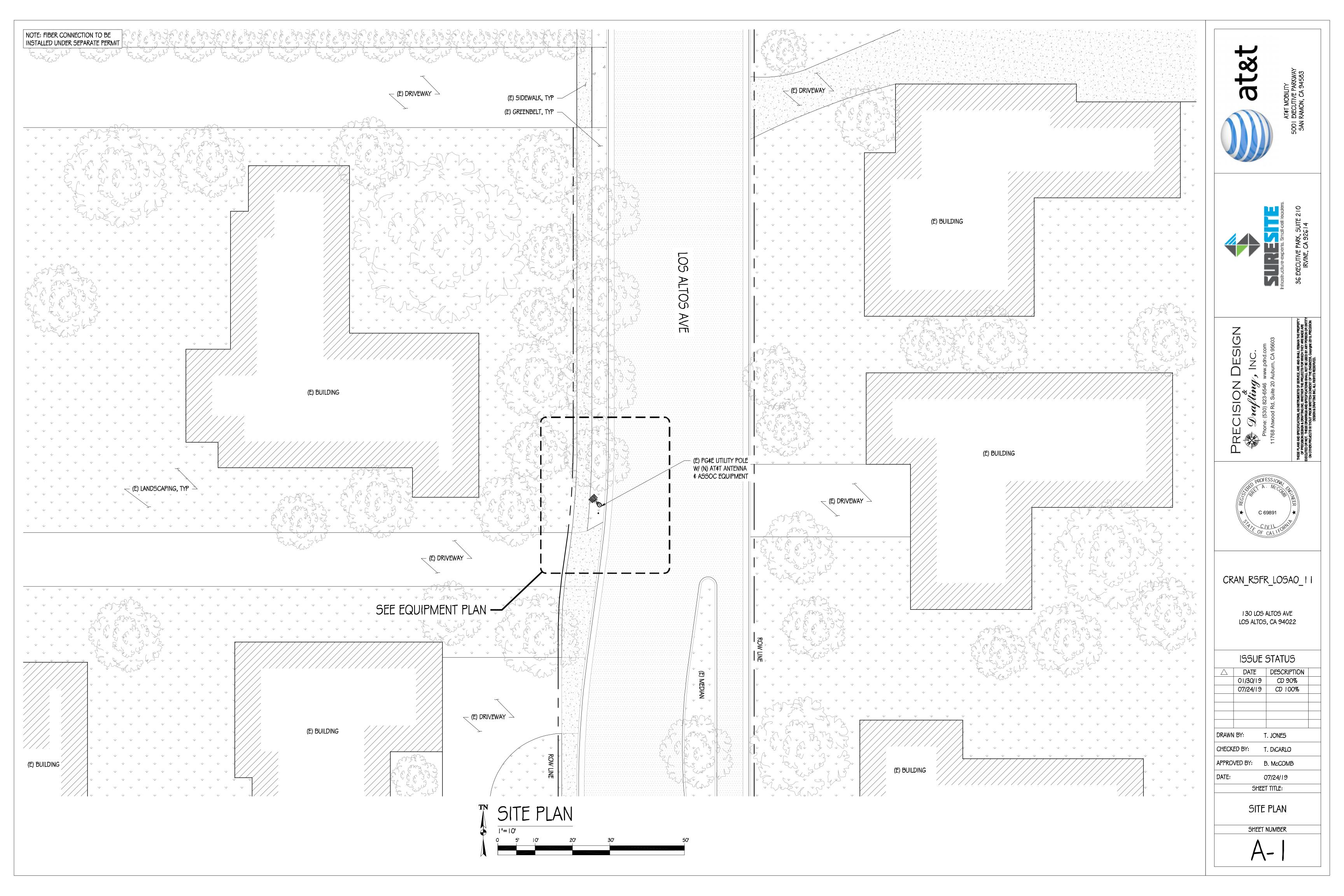


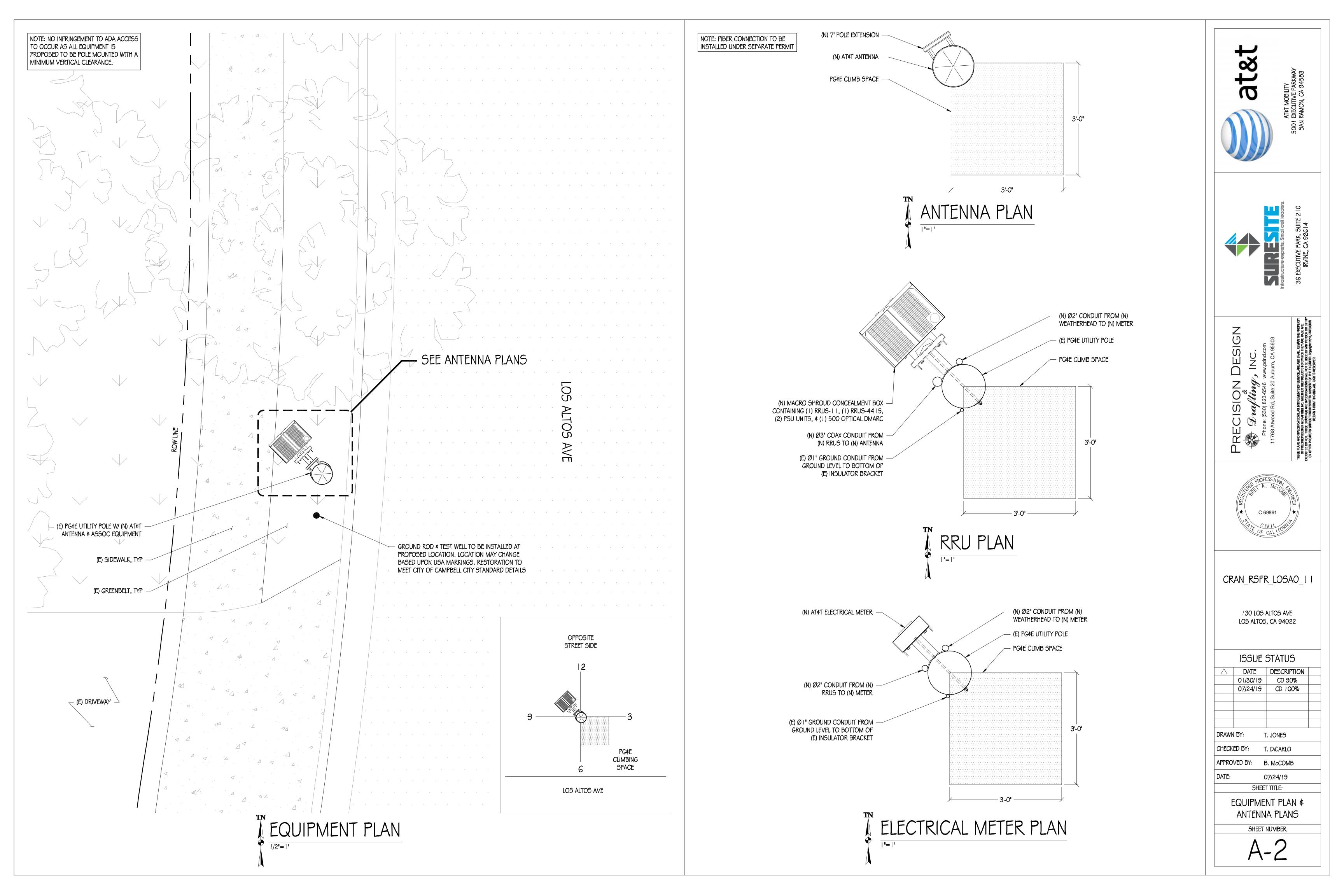
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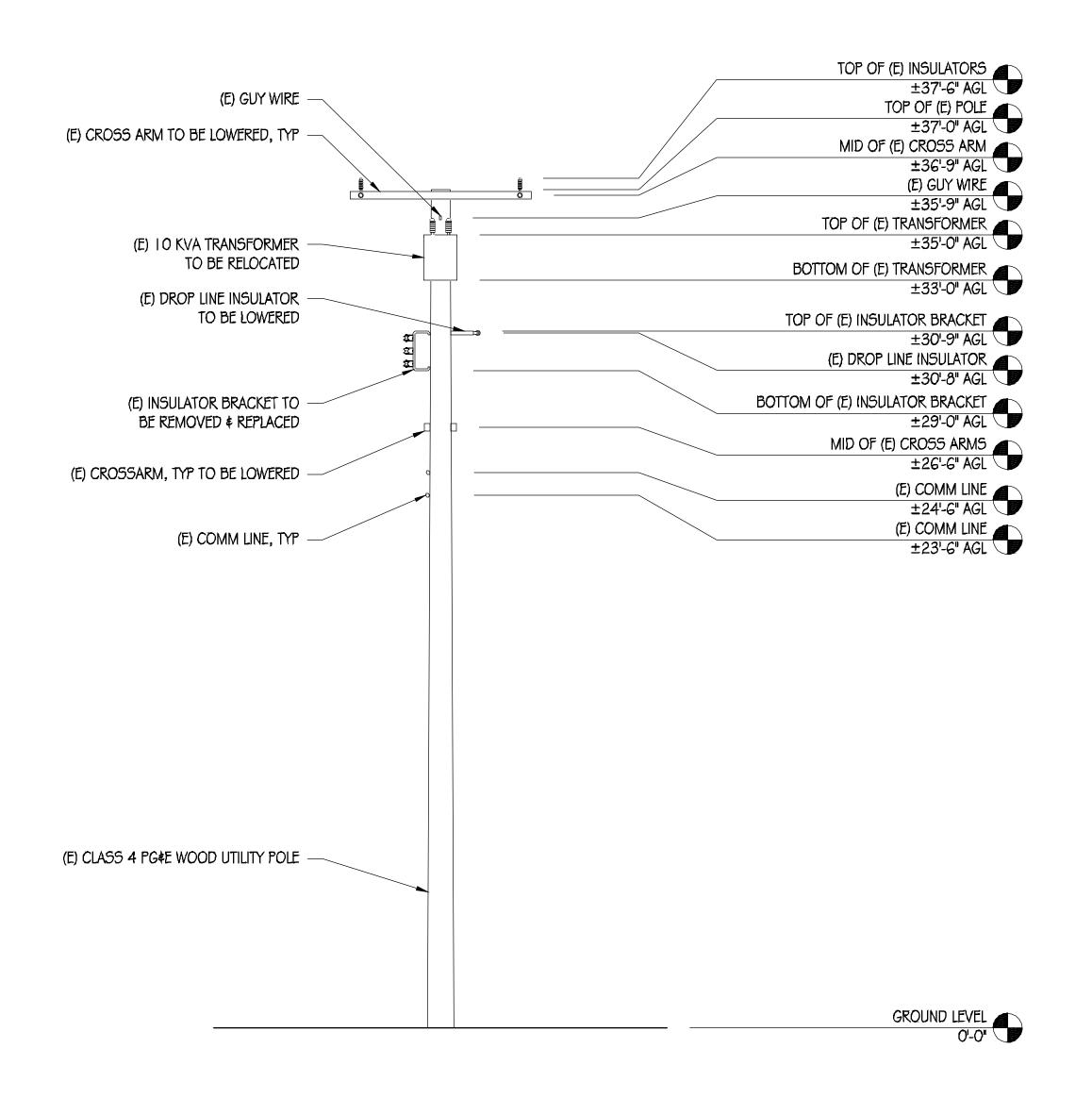
130 LOS ALTOS AVE LOS ALTOS, CA 94022

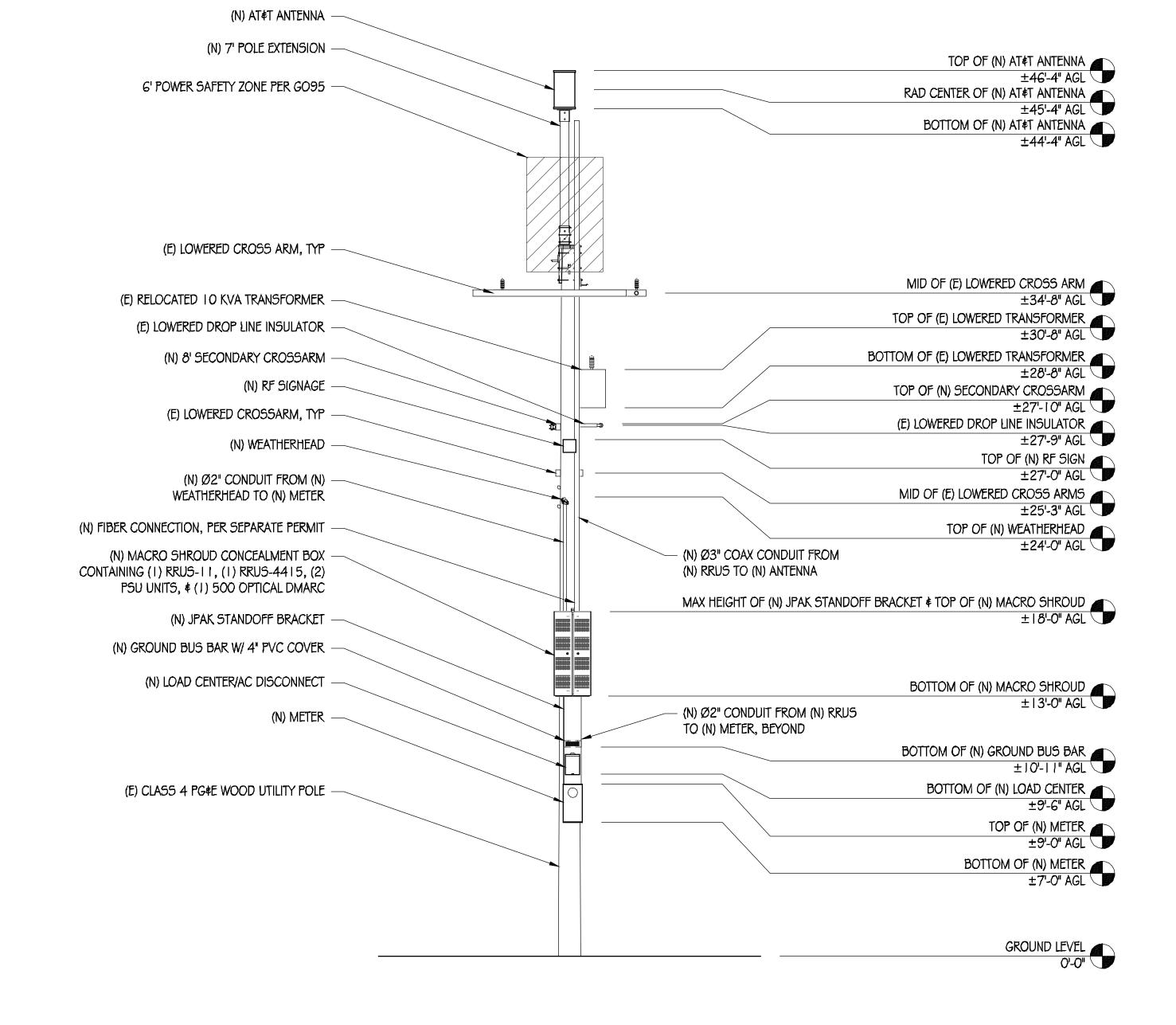
ISSUE STATUS					
\triangle	△ DATE DESCRIPTION				
	01/30/19	CD 90%			
	07/24/19	CD 100%			
ORAWN	I BY:	T. JONES			
CHECK	ED BY:	T. DICARLO			
APPRO	VED BY:	В. МсСОМВ			
DATE:		07/24/19			
SHEET TITLE:					

GENERAL NOTES, LEGEND, **# ABBREVIATIONS** SHEET NUMBER









EXISTING NORTHEAST ELEVATION

1/4"= 1'-

NEW NORTHEAST ELEVATION







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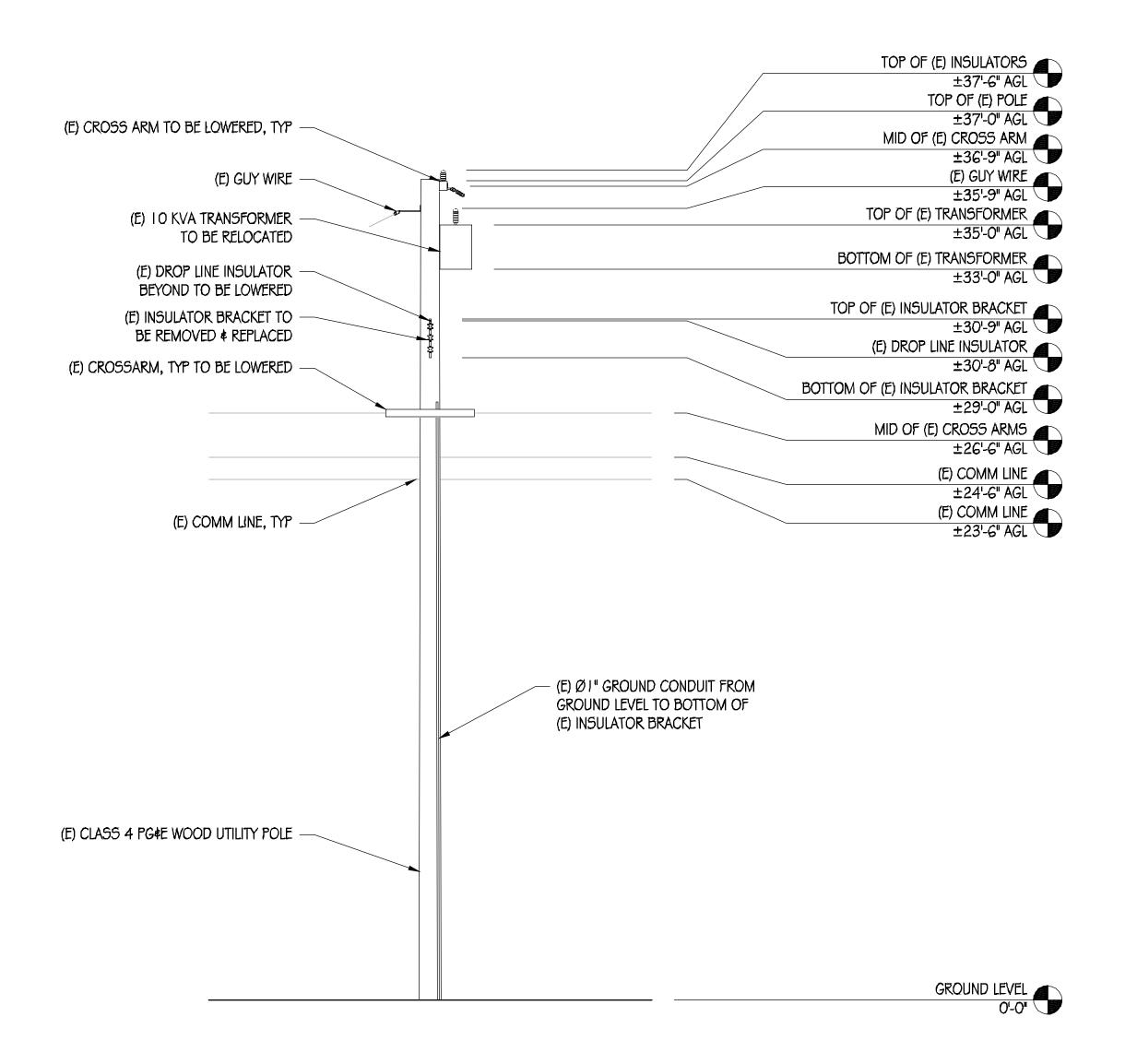
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\triangle	DATE	DESCRIPTION
	01/30/19	CD 90%
	07/24/19	CD 100%
DRAWN	BY:	T. JONES
CHECK	ED BY:	T. DICARLO
APPRO'	VED BY:	В. МсСОМВ
DATE:		07/24/19
	SHE	ET TITLE:

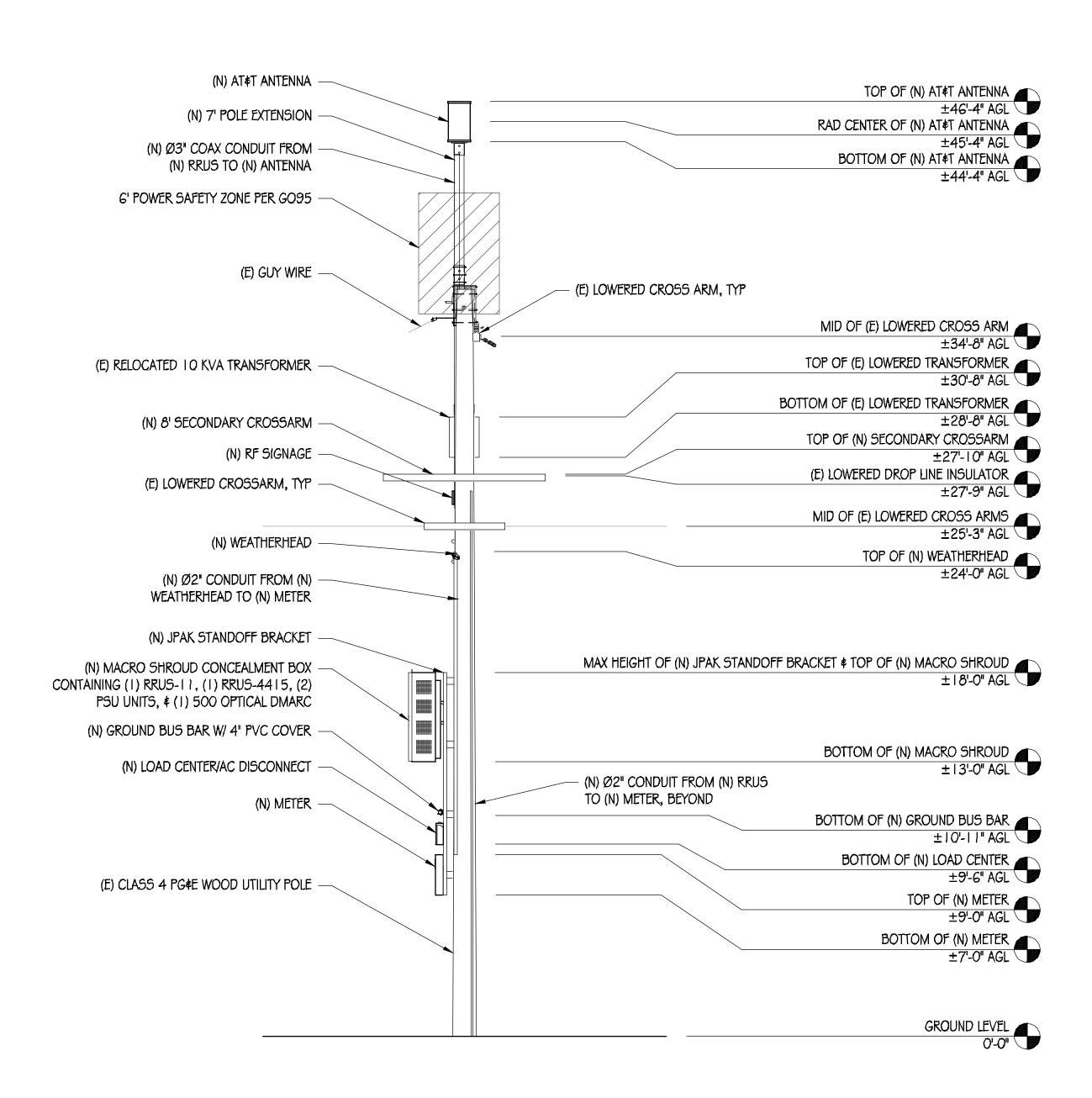
ELEVATIONS

SHEET NUMBER

A-3



EXISTING SOUTHEAST ELEVATION



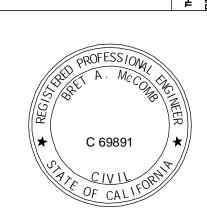
NEW SOUTHEAST ELEVATION

1/4"= 1'-0





Phone: (530) 823-6546 www.pdnd.com
11768 Atwood Rd, Suite 20 Auburn, CA 95603



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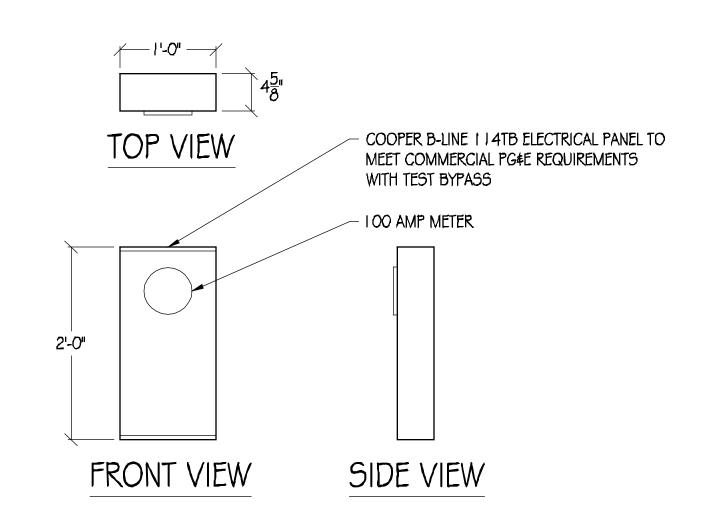
	ISSUE	STATUS
\triangle	DATE	DESCRIPTION
	01/30/19	CD 90%
	07/24/19	CD 100%
DRAWN	I BY:	T. JONES
CHECK	ED BY:	T. DICARLO
APPRO	VED BY:	В. МсСОМВ
DATE:		07/24/19
	SHEE	T TITLE:

ELEVATIONS

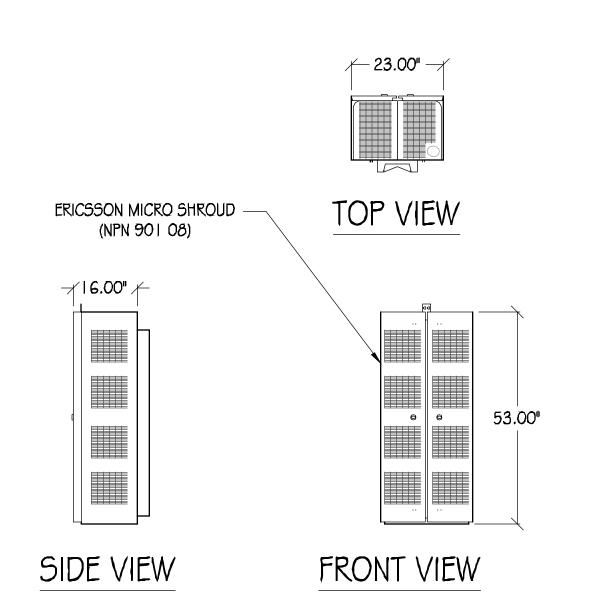
SHEET NUMBER

POLE-TOP EXTENSION NOTES:

- I. THIS UNIT MEETS GENERAL ORDER (G.O.) 95 REQUIREMENTS FOR STRENGTH IN CLASS 6 POLES AND THEREFORE MAY BE USED TO SUPPORT EQUIPMENT ON THESE CLASSES OF POLES. IT MAY BE USED ON LARGER CLASS POLES, BUT MAY NOT BE USED TO SUPPORT EQUIPMENT ON THEM.
- 2. THE UNIT MAY BE GUYED.
- 3. THE BRACKET IS MADE TO FIT POLES WITH DIAMETERS OF 8"-11". THEREFORE, DEPENDING UPON THE ACTUAL POLE-TOP DIAMETER, TO FIT POLES OF CLASS 3 AND SMALLER, A BRACKET ADAPTER MAY BE REQUIRED.
- 4. UNITS ARE SUPPLIED WITH THE WOOD BAYONET ASSEMBLED.
- 5. A POLE STEP KIT IS REQUIRED.
- 6. ATTACH THE BRACKET ASSEMBLY ACROSS THE LINE DIRECTION WITH THE CROSS ARM.
- 7. ALL DETAILS SHOWN ON THIS PAGE ARE FOR REFERENCE ONLY. THE POLE-TOP EXTENSION AND ANTENNA MOUNTING SYSTEMS ARE PER UTILITY COMPANY STANDARDS AND ARE SUBJECT TO CHANGE AT THEIR DISCRETION. BOTH THE POLE-TOP EXTENSION AND ANTENNA MOUNTING SYSTEM SHALL BE INSTALLED BY THE UTILITY COMPANY.



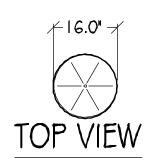


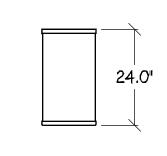




KMW FX-OM2L10H2-06T

WIND AREA: WEIGHT: **DIMENSIONS:** RF CONNECTORS: 2.67 5Q FT 34,2 LBS Ø16.0" X 24.0" TALL (12) 4.3-10 FEMALE





FRONT VIEW

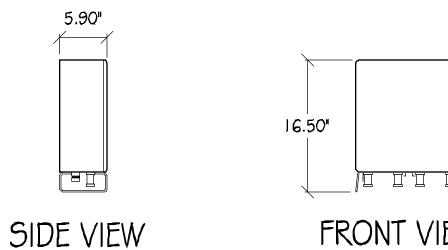


ERICSSON RRUS-4415

TOTAL WEIGHT:

UNDER 46 LBS 16.5" X 13.4" X 5.9"



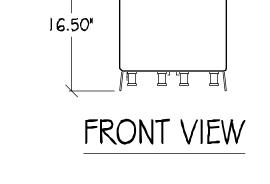


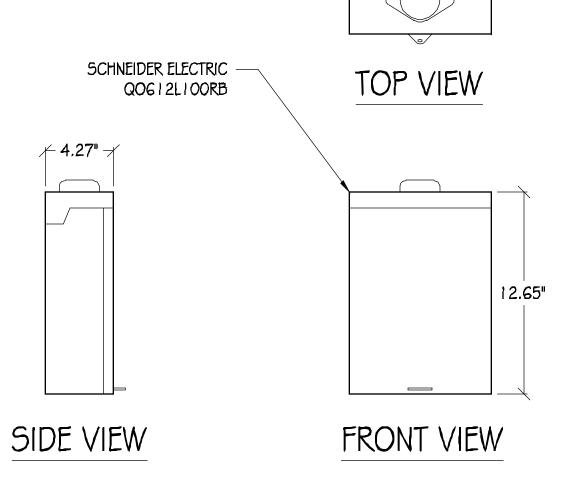


WEATHER HEAD FOR 2"

WEATHER HEAD

CONDUIT #1256 OR EQUIV







ERICSSON RRUS-11 55 LBS TOTAL WEIGHT: 19.7" TALL X17" WIDE DIMENSIONS: X 7.2" DEEP TOP VIEW 19.7"



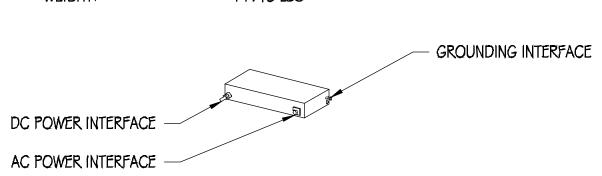
ERICSSON PSU AC 08

DIMENSIONS: WEIGHT:

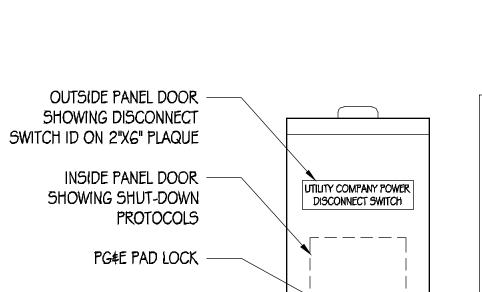
FRONT VIEW

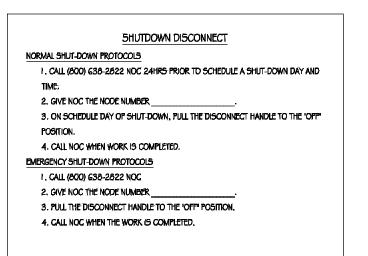
2.72" X 10.79" X 7.09" 11.46 LB5

SIDE VIEW









SHUT-DOWN PROTOCOL ON 3"X4" LABE

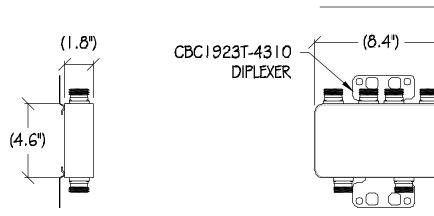
DISCONNECT SIGNAGE

I . SITE ID WILL BE SWITCH #, SITE # \$ SITE NAME 2. SIGN PROVIDED BY GC MOUNTED TO OUTSIDE OF SERVICE DISCONNECT

COMMSCOPE CBC1923T-4310/ EIIFI3P06

COLOR: GRAY TOTAL WEIGHT: +/- 4,4 LB DIMENSIONS: 8.3" TALL X 4.6"

TOP VIEW

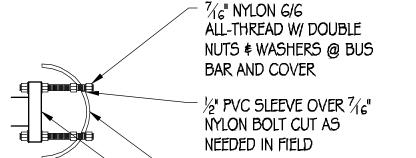


SIDE VIEW

WIDE X 1.8" DEEP

FRONT VIEW





- 4" PVC BUS BAR COVER

BUS BAR

BUS BAR COVER



at&t

AT∉T MOBILITY 5001 EXECUTIVE PARKWAY SAN RAMON, CA 94583

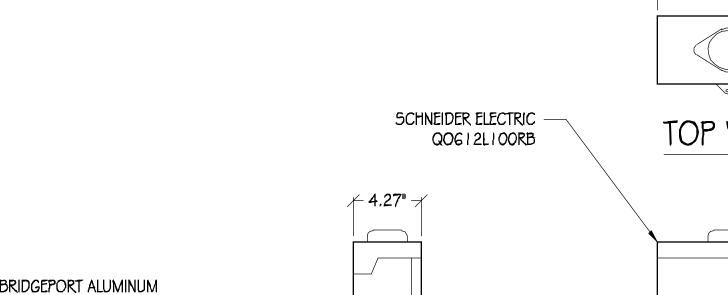
CUTIVE PARK, SUITE IRVINE, CA 92614

130 LOS ALTOS AVE LOS ALTOS, CA 94022

ISSUE STATUS				
\triangle	DATE	DESCRIPTION		
	01/30/19	CD 90%		
	07/24/19	CD 100%		
DRAWN BY: T. JONES				
CHECKED BY: T. DICARLO				
APPROVED BY:		В. МсСОМВ		
DATE:	(07/24/19		
SHEET TITLE:				

DETAILS SHEET NUMBER

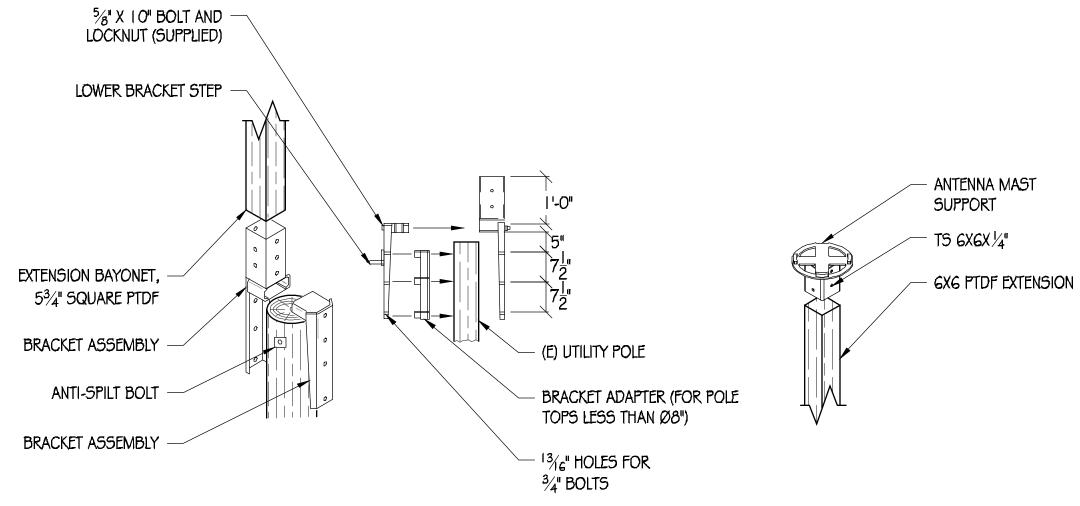
A-5



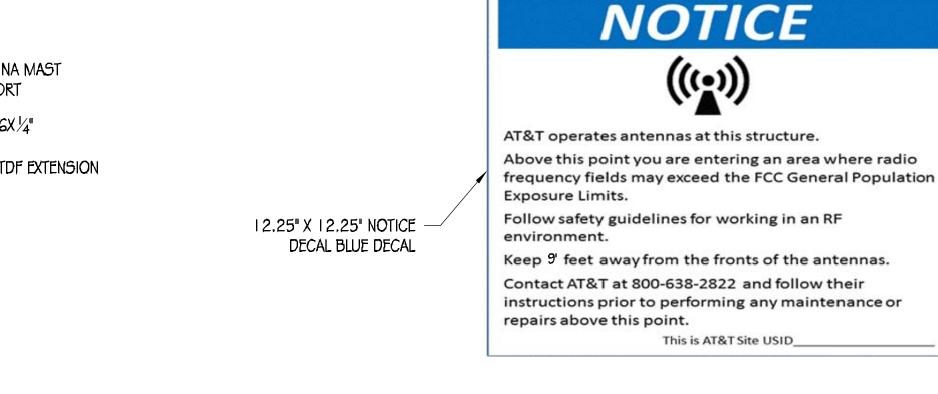
LOAD CENTER/AC DISCONNECT

STRUCTURAL STEEL NOTES:

- I. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2016 CBC.
- 2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) \sharp WT (TEE) SHAPES TO BE ASTM A992 (F_Y =50,000 PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE B (F_Y =46,000 PSI). ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR 5, GRADE B (F_Y =35,000 PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
- 3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC \$ AWS DI.I. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
- 4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
- 5. BOLTS SHALL BE GALVANIZED ASTM A325 MINIMUM, BOLTED CONNECTIONS SHALL BE BEARING TYPE, SEE PLANS FOR LOCATION, NUMBER, \$ SIZE OF BOLTS, SPECIAL INSPECTION NOT REQUIRED U.O.N.
- 6. THREADED RODS SHALL BE ASTM F593 CW 304/316 STAINLESS STEEL. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION. NUMBER. \$ SIZE OF BOLTS.
- 7. ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HDG WASHERS.
- 8. ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HDG PER ASTM A I 23 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED PER PLAN.
- 9. ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
- 10. AT ALL WEB STIFFENER PLATES LEAVE $^3\!\!4$ "Ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.



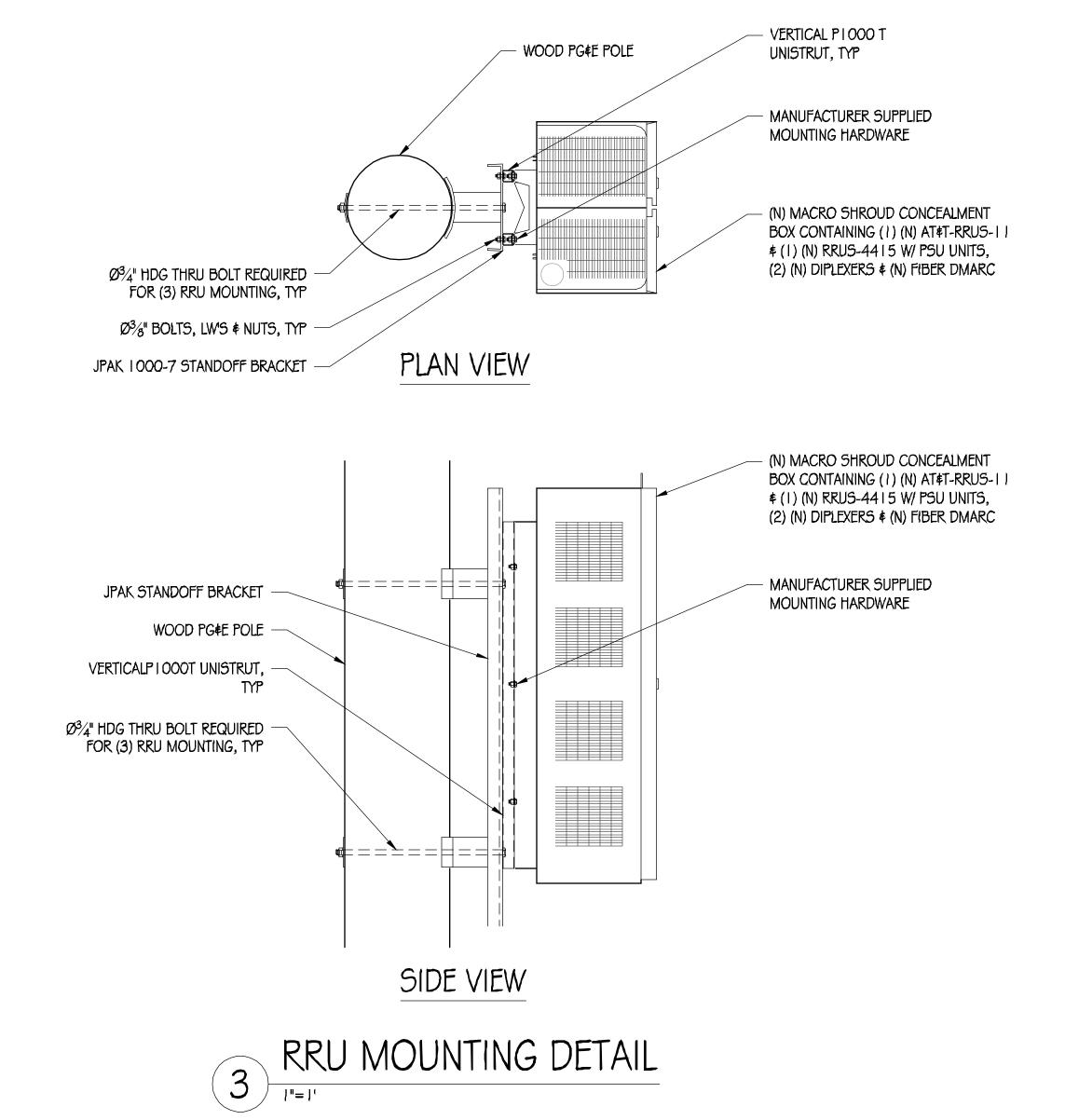


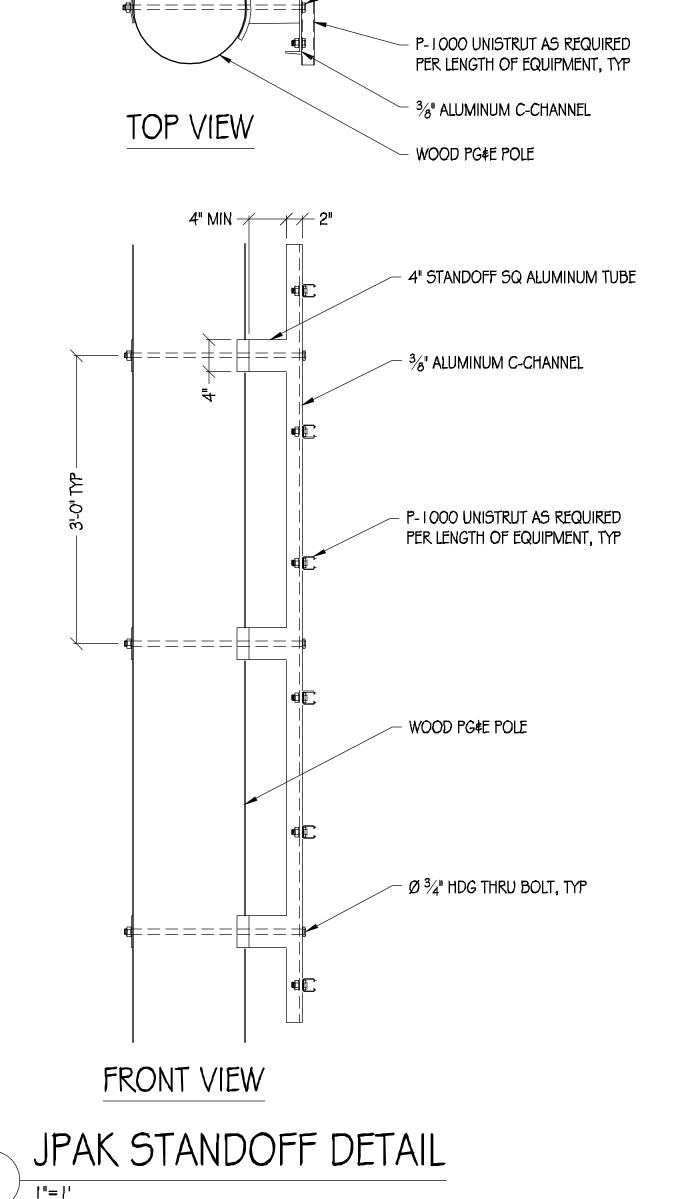


NOTICE SIGNAGE

NOTES;

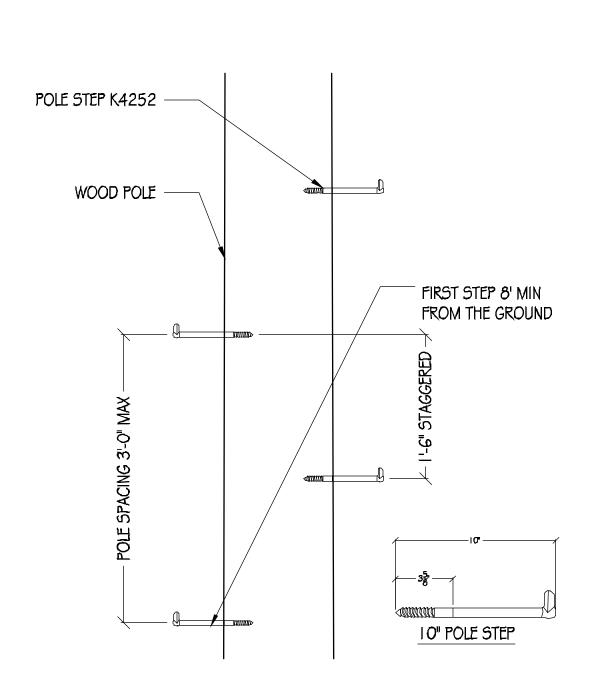
- SIGNAGE TO BE SCREWED DIRECTLY TO POLE AT ALL FOUR CORNERS.
- SIGNAGE TO BE PLACED A MINIMUM OF 2'-0" BELOW (N) ANTENNA

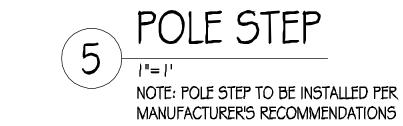




4" STANDOFF SQ ALUMINUM TUBE

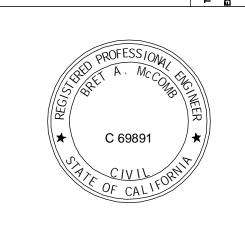
Ø 3/4" HDG THRU BOLT, TYP











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ISSUE STATUS					
\triangle	DATE	DESCRIPTION			
	01/30/19	CD 90%			
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DRAWN BY: T. JONES					
CHECKED BY: T. DICARLO					
APPROVED BY: B. McCOMB					
DATE:	(07/24/19			
SHEET TITLE:					
DETAILS					

SHEET NUMBER

A-6

GENERAL ELECTRICAL NOTES:

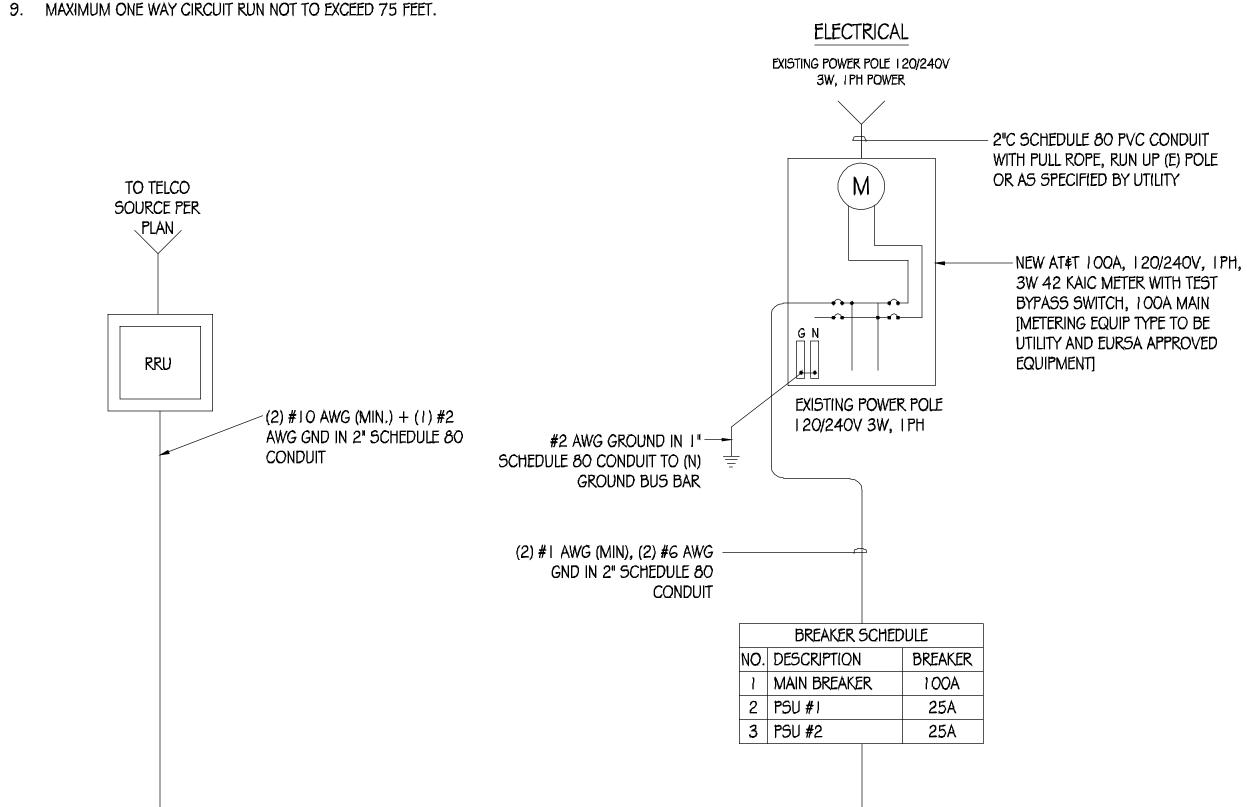
- I. PROVIDE ALL ELECTRICAL WORK & MATERIALS AS SHOWN ON THE DWGS, AS CALLED FOR HEREIN, & AS IS NECESSARY TO FURNISH A COMPLETE INSTALLATION.
- 2. THE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ADOPTED CALIFORNIA ELECTRICAL CODE, STATE OF CALIFORNIA TITLE24, ALL OTHER APPLICABLE CODES AND ORDINANCES & THE REQUIREMENTS OF THE FIRE MARSHALL. ALL EQUIPMENT & WIRING SHALL BEAR THE APPROVAL STAMP OF UNDERWRITERS LABORATORY (UL) OR AN APPROVED TESTING LABORATORY, PAYMENT FOR ALL INSPECTION FEES AND PERMITS ARE PART OF THIS CONTRACT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY AND GOOD CONDITION OF ALL MATERIALS & EQUIPMENT FOR THE ENTIRE INSTALLATION & UNIT COMPLETION OF WORK, ERECT & MAINTAIN APPROVED & SUITABLE BARRIERS, PROTECTIVE DEVICES & WARNING SIGNS, BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM NEGLIGENCE AND/OR ENFORCEMENT OF ALL SAFETY PRECAUTIONS & WARNINGS.
- 4. COORDINATE THE ELECTRICAL INSTALLATION WITH ALL OTHER TRADES.
- 5. ALL SAW CUTTING, TRENCHING, BACK FILLING & PATCHING SHALL BE RESTORED PER CITY STANDARD DETAILS.
- 6. FINALIZE ALL ELECTRICAL SERVICE ARRANGEMENTS, INCLUDING VERIFICATION OF LOCATIONS, DETAILS, COORDINATION OF THE INSTALLATION & PAYMENT OF ACCRUED CHARGES WITH LOCAL POWER COMPANY, VERIFY LOCATION FOR FACILITIES & DETAILS WITH POWER UTILITY, IN ADDITION TO THE REQUIREMENTS SHOWN IN THE CONTRACT DOCUMENTS, WORK SHALL COMPLY WITH CONSTRUCTION STANDARDS & SERVICE REQUIREMENTS OF THE RESPECTIVE UTILITIES, INCLUDING ANY SUPPLEMENTAL DWGS ISSUED & SHALL BE SUBJECT TO APPROVAL OF THESE UTILITIES.
- 7. ALL WIRING SHALL BE COPPER. INSULATION FOR BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THWN" CONDUCTORS LARGER AND #G AWG MAY BE TYPE "THWN" OR "TWN".
- 8. PROVIDE CONDUIT SEALS FOR ALL CONDUITS PENETRATING WEATHERPROOFING OR WEATHERPROOF ENCLOSURE ENVELOPE. MASTIC SEAL ALL CONDUIT OPENING PENETRATIONS COMPLETELY WATERTIGHT.
- 9. UNLESS SHOWN OTHERWISE, FUSED DISCONNECT SWITCHES SHALL BE PROVIDED WITH LOW-PEAK, SYDUAL ELEMENT FUSES SIZED TO EQUIPMENT NAMEPLATE FUSE CURRENT RATING. MOTOR STARTERS SHALL BE PROVIDED WITH SIMILARLY SIZED FUSIBLE ELEMENTS, SWITCHES AND OTHER OUTDOOR EQUIPMENT SHALL BE RATED NEMA 3R AND/OR UL LISTED FOR WET ENVIRONMENT.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE GROUNDING SYSTEM AND ENSURING A 5 OHM OR LESS GROUNDING PATH, ADDITIONAL GROUND RODS AND/OR CHEMICAL ROD SYSTEM SHALL BE USED TO ACHIEVE THIS REQUIREMENT IF THE GIVEN DESIGN CANNOT BE MADE TO ACHIEVE THIS REQUIREMENT.

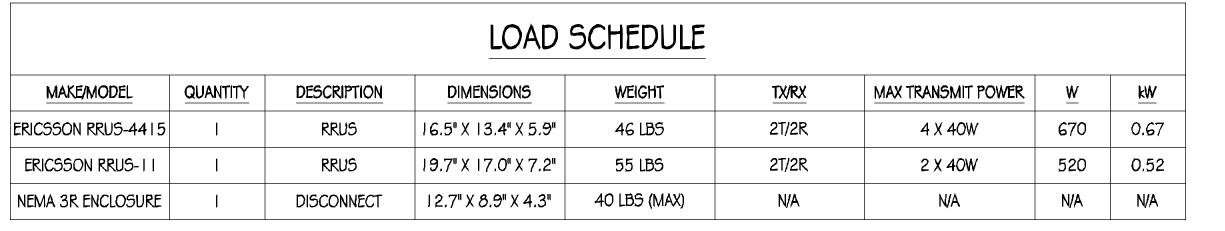
POWER AND TELCO NOTES:

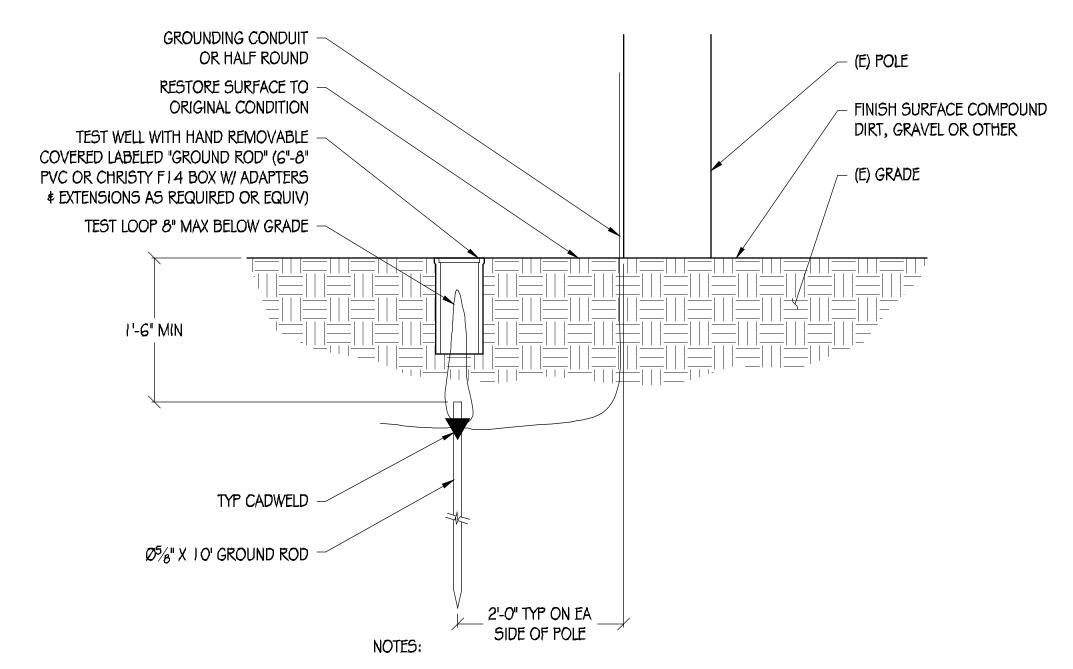
- I. POWER AND TELCO POINTS OF CONNECTION AND ANY EASEMENTS ARE PRELIMINARY AND SUBJECT TO CHANGE BY THE UTILITY COMPANIES.
- 2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK/MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY ENGINEERING PLANS AND SPECIFICATIONS ONLY WHERE APPLICABLE PER PROJECT SCOPE OF WORK.
- 3. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, PULL WIRES, CABLE PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT, TRANSFORMER PAD, BARRIERS, POLE RISER TRENCHING, BACK FILL, AND UTILITY FEES, AND INCLUDE REQUIREMENTS IN SCOPE.
- 4. CONTRACTOR SHALL LABEL ALL MAIN DISCONNECT SWITCHES AS REQUIRED BY CODE.
- 5. CONTRACTOR SHALL PROVIDE METER WITH DIST. PANEL AND BREAKERS FOR POWER TO THE BTS UNITS AND THE BTS/ UTILITY CABINET.
- 6. ALL SERVICE EQUIPMENT AND INSTALLATIONS SHALL COMPLY WITH THE N.E.C. AND UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
- 7. CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE ENTRANCE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.

SINGLE-LINE DIAGRAM

- 8. FIELD ROUTE CONDUIT TO CABINETS AS REQUIRED.
- MAYIMI IM ONE WAY CIRCUIT RUN NOT TO EYCEED 75 FEET





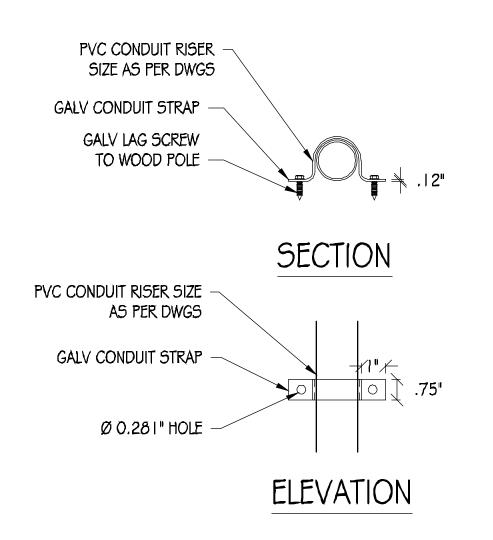


I. REMOVE & REPLACE SIDEWALK SECTION, RESTORATION TO MEET CITY STANDARD DETAILS

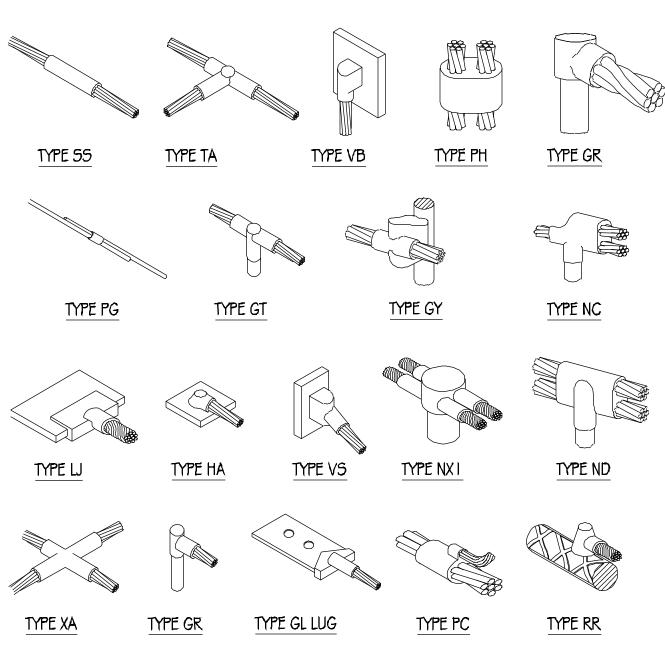
2. EXPOSED CONCRETE TO HAVE BROOM FINISH

POLE GROUNDING DETAIL

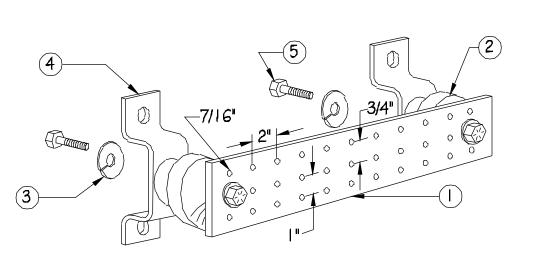
NTS



2 CONDUIT RISER DETAIL



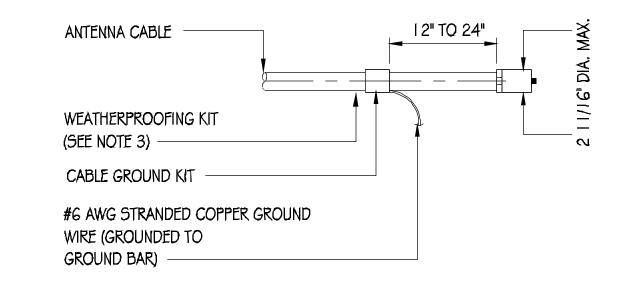
EXOTHERMIC WELD DETAILS



NOTES:

- I. 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 CAT. NO. 3061-4 OR APPROVED EQUAL
- 3. 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO., CAT. NO. 3015-8 OR APPROVED EQUAL
- 4. WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO., CAT NO. A-6056 OR APPROVED EQUAL
- 5. 5/8-11 X I" HHCS BOLTS, NEWTON INSTRUMENT CO., CAT NO. 3012-1 OR APPROVED EQUAL
- 6. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPINE STRUCTURE. CONNECTION TO TOWER/MONOPINE STRUCTURE SHALL BE PER MANUFACTURERS RECOMMENDATIONS.





NOTES:

- I. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- 3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)







PRECISION DESIGN

REPLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPER

PECHANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPER
OF PRECISION DESIGN & DEMATTING INC. WHEN THE PROJECTS FOR WHICH THEY ARE MADE AND
OF PRECISION DESIGN & DANAPTING INC. WHEN THE PROJECTS FOR WHICH THEY ARE MADE AND
OF PRECISION THESE DAMININGS AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR EN
ON OTHER PROJECTS WITHOUT PRIOR WITHIN COMPENT. OF THE PROMETRE. COMPANY OF SERVICE AND SPECIFICATIONS SHALL NOT BE USED BY ANY PERSON OR EN
ON OTHER PROJECTS WITHOUT PRIOR WITHIN COMPENT. OF THE PROMETRE.

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07/24/19 CD 100%

DRAWN BY: T. JONES

CHECKED BY: T. DICARLO

APPROVED BY: B. McCOMB

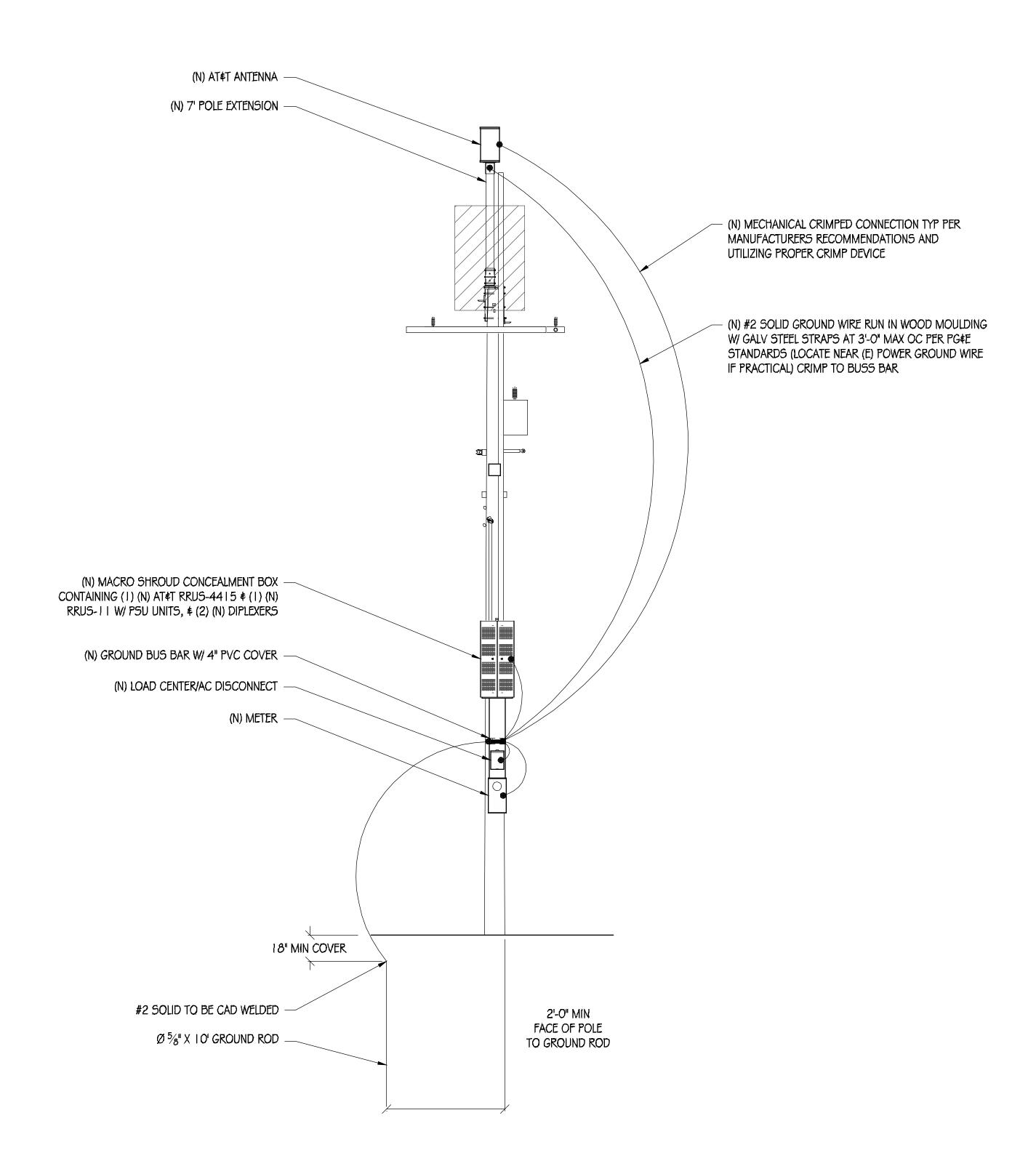
DATE: 07/24/19

SHEET TITLE:

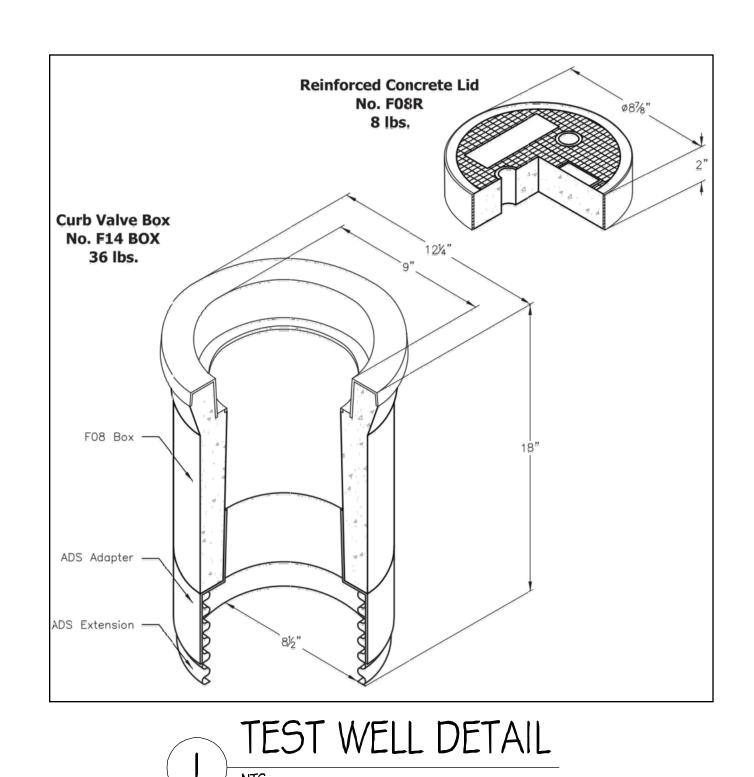
SINGLE-LINE DIAGRAM \$
DETAILS

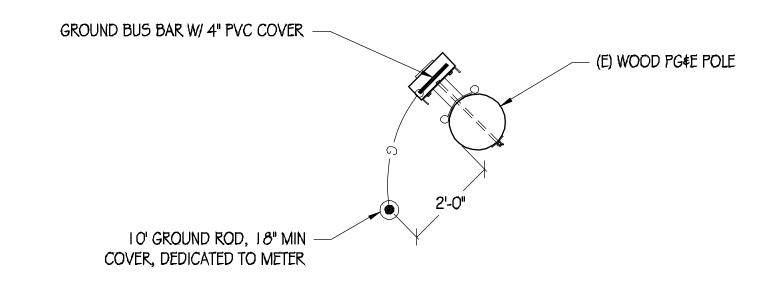
SHEET NUMBER

E-1



POLE GROUNDING DIAGRAM





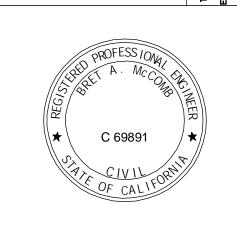






PRECISION DESIGN

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CRAN_RSFR_LOSAO_11

130 LOS ALTOS AVE LOS ALTOS, CA 94022

ISSUE STATUS				
\triangle	DATE	DESCRIPTION		
	01/30/19	CD 90%		
	07/24/19	CD 100%		
DRAWN BY: T. JONES				
CHECKED BY: T. DICARLO				
APPROVED BY:		В. МсСОМВ		
DATE:	(07/24/19		
SHEET TITLE:				

GROUNDING DIAGRAMS

SHEET NUMBER

F-2