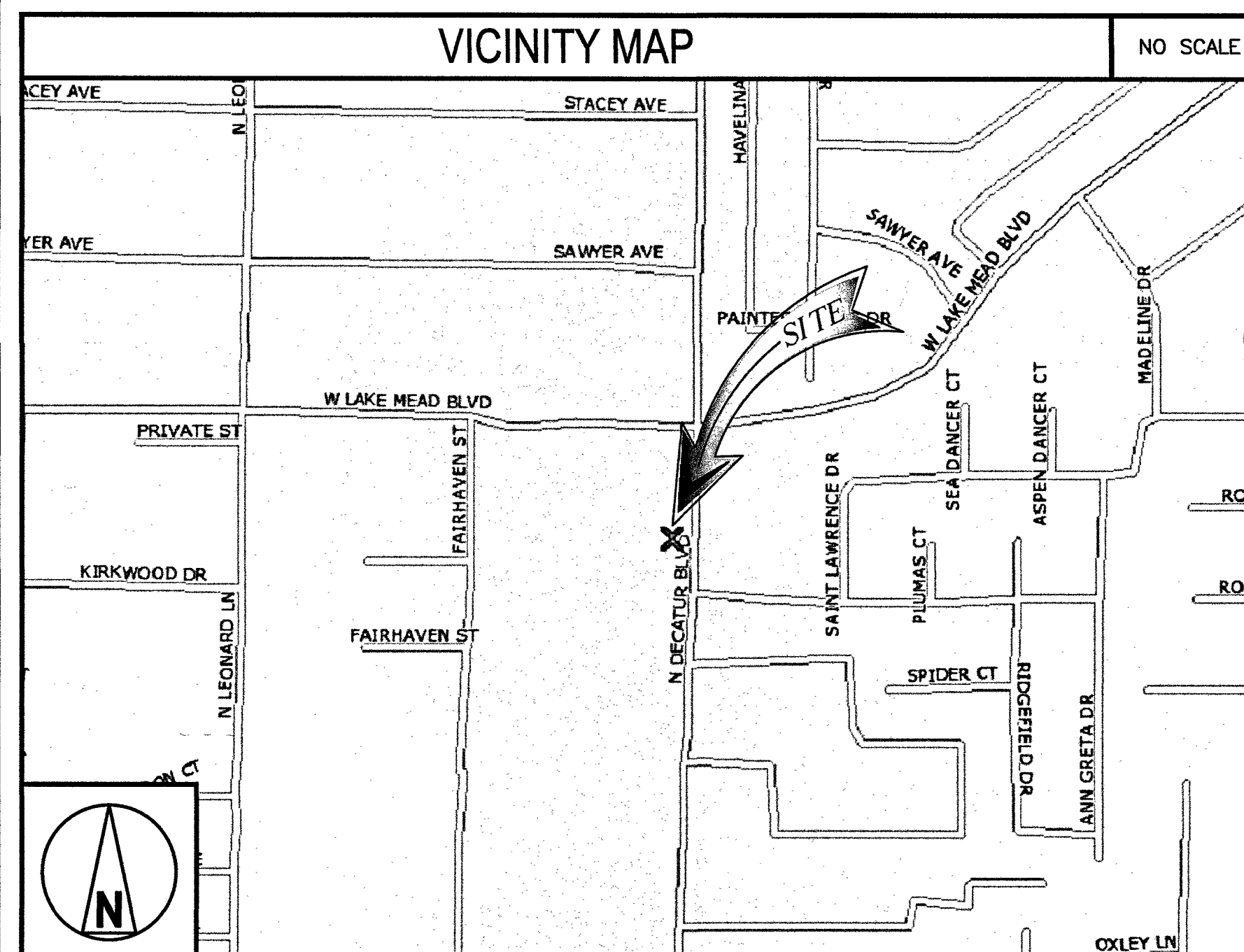




CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

ENGINEERING SERVICES:

BLACK & VEATCH CORPORATION
7760 FRANCE AVENUE SOUTH
SUITE 1200
BLOOMINGTON, MN 55435

GARRETT CALDWELL, ENGINEERING LEAD
(952) 896-0881
CALDWELLG@BV.COM

LAUREN WALKER, PRODUCTION LEAD
(952) 896-0855
WALKERL2@BV.COM

PROJECT MANAGER:

MARK FORBES
(913) 458-7417
FORBESM@BV.COM

SITE ACQUISITION:

MARY KREPS
(636) 536-5830
KREPSM@BV.COM

DEVELOPER:

COXCOM, LLC.
6305-B PEACHTREE DUNWOODY RD.
ATLANTA, GA 30328

LEE SARGENT
(404) 269-8612

POWER:

COX
(702) 938-8898

FIBER:

COX
(702) 938-8898

JURISDICTION: CITY OF LAS VEGAS

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN CONFORMING TO THESE CODES.

- . 2012 INTERNATIONAL BUILDING CODE (IBC) WITH NEVADA STATE AMENDMENTS
- . 2011 NATIONAL ELECTRIC CODE (NEC) WITH NEVADA STATE AMENDMENTS

IN THE EVENT OF A CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.

CLIENT:	COX COMMUNICATIONS, INC
<u>PROJECT MANAGER:</u>	LARRY WIMBUSH (757) 771-4320 LARRY.WIMBUSH@COX.COM
<u>CONSTRUCTION MANAGER:</u>	JASON DINEEN (702) 303-5046 JASON.DINEEN@COX.COM
<u>CARRIER SUPPORT:</u>	DANIELLE ETZBACH (404) 269-3997 DANIELLE.ETZBACH@COX.COM
<u>POLE OWNER:</u>	COX LICENSEE COX TELCOM NEVADA LLC (877) 897-2475

APPLICANT/LESSEE:	COX TELCOM NEVADA LLC RON LOPEZ (702) 545-1647
PROPERTY OWNER:	NEVADA ENERGY
JURISDICTION:	CITY OF LAS VEGAS
COUNTY:	CLARK COUNTY
APN:	13824799018
LATITUDE:	36.194559° 36° 11' 40.4" N
LONGITUDE:	-115.206184° 115° 12' 22.3" W
POLE ID:	#P67802
ELEVATION:	2203.91' AMSL
CURRENT ZONING:	NA
ANTENNA LOCATION:	STRAND
EQUIPMENT LOCATION:	STRAND

THIS PROPOSED PROJECT IS AN UNOCCUPIED TELECOMMUNICATIONS FACILITY AND IS NOT TO BE ACCESSED BY THE GENERAL PUBLIC. THIS FACILITY IS EXEMPT FROM DISABLED ACCESS REQUIREMENTS PER IBC 1103.2.9 LISTED AS AN EQUIPMENT SPACE.

PROJECT
MANAGER: _____ DATE: _____

CONSTRUCTION
MANAGER: _____ DATE: _____

RF ENGINEER: _____ DATE: _____

SITE ACQUISITION: _____ DATE: _____

LANDLORD: _____ DATE: _____

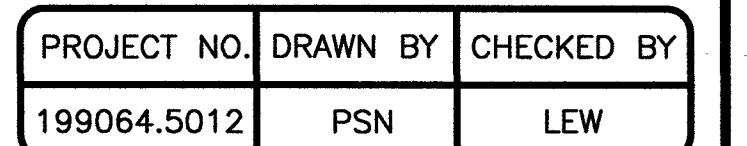
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
GN-1	GENERAL NOTES
A-1	OVERALL SITE PLAN
A-1.1	ENLARGED SITE PLAN
A-2	ELEVATIONS
D-1	EQUIPMENT DETAILS

THE PROPOSED PROJECT INCLUDES THE FOLLOWING:

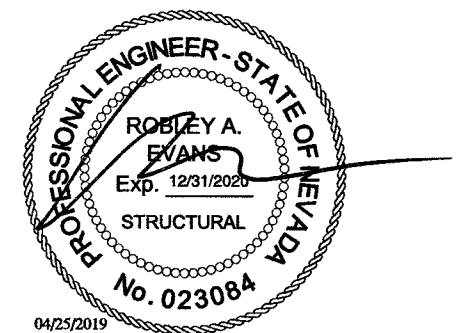
- REMOVE EXISTING STRAND-MOUNTED EQUIPMENT
- INSTALL (1) STRAND EQUIPMENT MOUNT
- INSTALL (2) RADIO UNITS ON STRAND MOUNT
- INSTALL (2) ANTENNAS ON STRAND MOUNT
- INSTALL (1) RF DISCONNECT SWITCH

Know what's below.
before you dig.

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REV	DATE	DESCRIPTION



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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SITE ADDRESS

M1_33VW0008SMC
LSV_DECATUR_LAKE_MEAD_SC
1921.25 N DECATUR BOULEVARD
LAS VEGAS, NV 89108
SMALL CELL

SHEET TITLE

TITLE SHEET

SHEET NUMBER
T-1

L19-00894 107V7880

6/18/95 66800-677
(6/24/95)

GENERAL CONSTRUCTION NOTES

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.).
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSFORMATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT, MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA & NBFU.
8. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
9. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS.
10. COMPLETE JOB SHALL BE GUARANTEED FOR A PRIOR OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
11. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
12. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
13. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
14. USE T-TAP CONNECTIONS ON ALL MULTI -CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
15. ALL CONDUCTORS SHALL BE COPPER.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES AND DRAWINGS.
18. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
19. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
20. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
21. WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM, NO BX OR ROMEX CABLE IS PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
22. GROUNDING CONDUCTORS SHALL BE SOLD TINED COPPER AND ANNEALED #2.
23. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.
24. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY SQUARE D COMPANY OR APPROVED EQUAL. ALL MATERIALS SHALL BE U.L. LISTED.
25. CONDUIT:

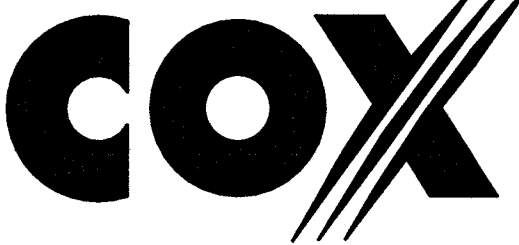
a. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR RIGIDCONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.

b. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.

c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE, SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.

d. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
26. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
27. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
28. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.
29. THE ELECTRICAL INSTALLATION WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL WORK.
30. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH INTENT OF THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.

31. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FORM DEFECTS AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
32. ALL WORK TO BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
33. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES.
34. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, UNLESS NOTED OTHERWISE AND CO-ORDIANTED WITH THE GENERAL CONTRACTOR.
35. ELECTRICAL CONTRACTOR SHALL CO-ORINATE ALL WORK WITH CIVIL AND ARCHITECTURAL PLANS. THE REQUIREMENTS OF ALL EQUIPMENT ACTUALLY BEING INSTALLED SHALL BE VERIFIED PRIOR TO INSTALLING THE ELECTRICAL WORK.
36. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER TYPE THWN-2, THW-2, RHW-2, XHHW-2 #14, #12, & #10 SOLID, #8 AND LARGER STRANDED, UNLESS NOTED OTHERWISE.
37. ON COMPLETION OF THE WORK, THE INSTALLATION SHALL BE FREE FORM GROUNDS AND SHORT CIRCUITS.
38. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT AND CUSTOMER UPON COMPLETION OF THE JOB.
39. ELECTRICAL WORK SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED, INCLUDING BUT NOT LIMITED, TO COMPLETE ELECTRICAL SYSTEMS POWER AND LIGHTING, TELEPHONE CONDUIT SYSTEM, SIGNAL SYSTEMS, PANEL BOARDS(S), CONTROL WIRING, GROUNDING, CONDUIT ONLY SYSTEMS, ETC., AS INDICATED ON ELECTRICAL DRAWINGS AND/OR REQUIRED BY GOVERNING CODES.
40. RACEWAYS SHALL BE: RIGID STEEL CONDUIT: HOT-DIP GALVANIZED HEAVY WALL AS MANUFACTURED BY REPUBLIC, TRIANGLE OR EQUAL, RIGID POLYVINYL CHLORIDE CONDUIT (PVC): HEAVY WALLS SCHEDULE 40 AS MANUFACTURED BY CARLON ELECTRICAL, VISQUEEN OR EQUAL, ELECTRICAL METALLIC TUBING (EMT):ZINC-COATED THIN WALL AS MANUFACTURED BY TRIANGLE, REPUBLIC OR EQUAL
41. FUSE TYPE SHALL BE BUSSMANN RK-1 OR CLASS "J" FUSE.
42. PROVIDE ENGRAVED PLASTIC LABELS TO IDENTIFY ALL PANEL BOARDS, XFMRs, DISTRIBUTION PANELS, DISCONNECT SWITCHES, AND TRANSFER SWITCHES, LABELS SHALL READ IN THIS FASHION "A" 208Y/120V 3PH, 4W, 225A, CKT. BKR OR FUSES TYPE AND SIZES.
43. E.C. SHALL VERIFY AND TEST GROUND TO SOURCE TO A MAXIMUM OF 5 OHMS. IF THE GROUND TEST DOES NOT ACHIEVE THE 5 OHMS LESS, E.C. SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CONDUCTORS AND GROUND RODS TO ACHIEVE 5 OHMS MAXIMUM.
44. BEFORE SUBMITTING BID, VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS AND THE EXACT SERVING UTILITY POINTS OF CONNECTION.
45. THE ELECTRICAL CONTRACTOR (E.C) SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
46. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELECTRICAL MATERIALS, EQUIPMENT AND WORK, SHOWN ON THESE PLANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
47. E.C. SHALL FURNISH AND INSTALL ALL SWITCHES, CONDUITS, WIRES, BOXES, LIGHT FIXTURES (INCLUDING LAMPS), SERVICE DEVICES, RECEPTACLES, SWITCHBOARDS AND PANEL BOARDS, ETC. REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL SYSTEM.
48. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL/LOCATION INFORMATION RELATING TO THE ELECTRICAL DRAWINGS.
49. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGES AND HORSEPOWER RATINGS OF ALL MECHANICAL EQUIPMENT.
50. PRIOR TO INSTALLING ANY ELECTRICAL WORK. THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND REQUIREMENTS ON THE JOB AND BY REFERENCE TO ARCHITECTURE, MECHANICAL AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
51. OUTLET AND JUNCTION BOXES SHALL BE SIZED PER CODE FOR THE QUANTITY OF WIRES THEY CONTAIN. SEE ARTICLE 370 OF N.E.C. PROVIDE ADDITIONAL BOXES AND EXTENSION RINGS AS REQUIRED.
52. ELECTRICAL CONTRACTOR SHALL COMPLY WITH CABLE BENDING RADIUS REQUIREMENTS PER CABLE MANUFACTURES SPECIFICATION.
53. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED, THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF INSTALLATION.
54. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY- RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF THE INSTALLATION.
55. PLANS INDICATE THE NUMBER OF PHASE NATURAL, AND GROUND CONDUCTORS WHERE MORE THAN THREE CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT (THREE OR LESS CONDUCTORS ARE NOT SHOWN). ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.
56. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, CIRCUITS SHALL CONSIST OF #12 PHASE AND GROUNDED (NEUTRAL CONDUCTORS) AND A #12 CU GROUND IN A 3/4" CONDUIT.
57. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD.
58. PRIOR TO TRENCHING IN ANY AREA THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA, CABLE T.V., GAS, AND WATER UTILITY PROVIDES (BLUE STRIKE) AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY ANY OBSTACLES IN THE PATH OF TRENCHING (PRIOR TO COMMENCING WORK). DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
59. ANY AND ALL WIRE THAT CARRIES A CURRENT MUST BE IN A CONDUIT. (GROUNDING WIRE FOR LOOPS, HALOS, ECT. IS CONSIDERED NON-CURRENT CARRYING.)
60. THE STRUCTURAL CAPACITY OF THE PROPOSED ANTENNA AND/OR RADIO MOUNTING HARDWARE IS DETERMINED BY THE MANUFACTURER, PLEASE REFER TO MANUFACTURER DOCUMENTATION FOR PROPER INSTALLATION METHODS AND CAPACITY LIMITS.



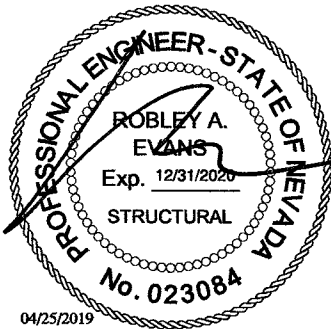
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SUITE 1200
BLOOMINGTON, MN 55435

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PROJECT NO.	DRAWN BY	CHECKED BY
199064.5012	PSN	LEW

0	04/24/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



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SITE ADDRESS

M1_33VW0008SMC
LSV_DECATUR_LAKE_MEAD_SC
1921.25 N DECATUR BOULEVARD
LAS VEGAS, NV 89108
SMALL CELL

SHEET TITLE
GENERAL CONSTRUCTION
NOTES

SHEET NUMBER
GN-1

219-00894 107 V 7880

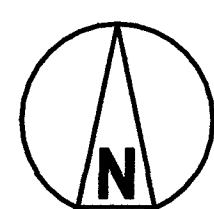
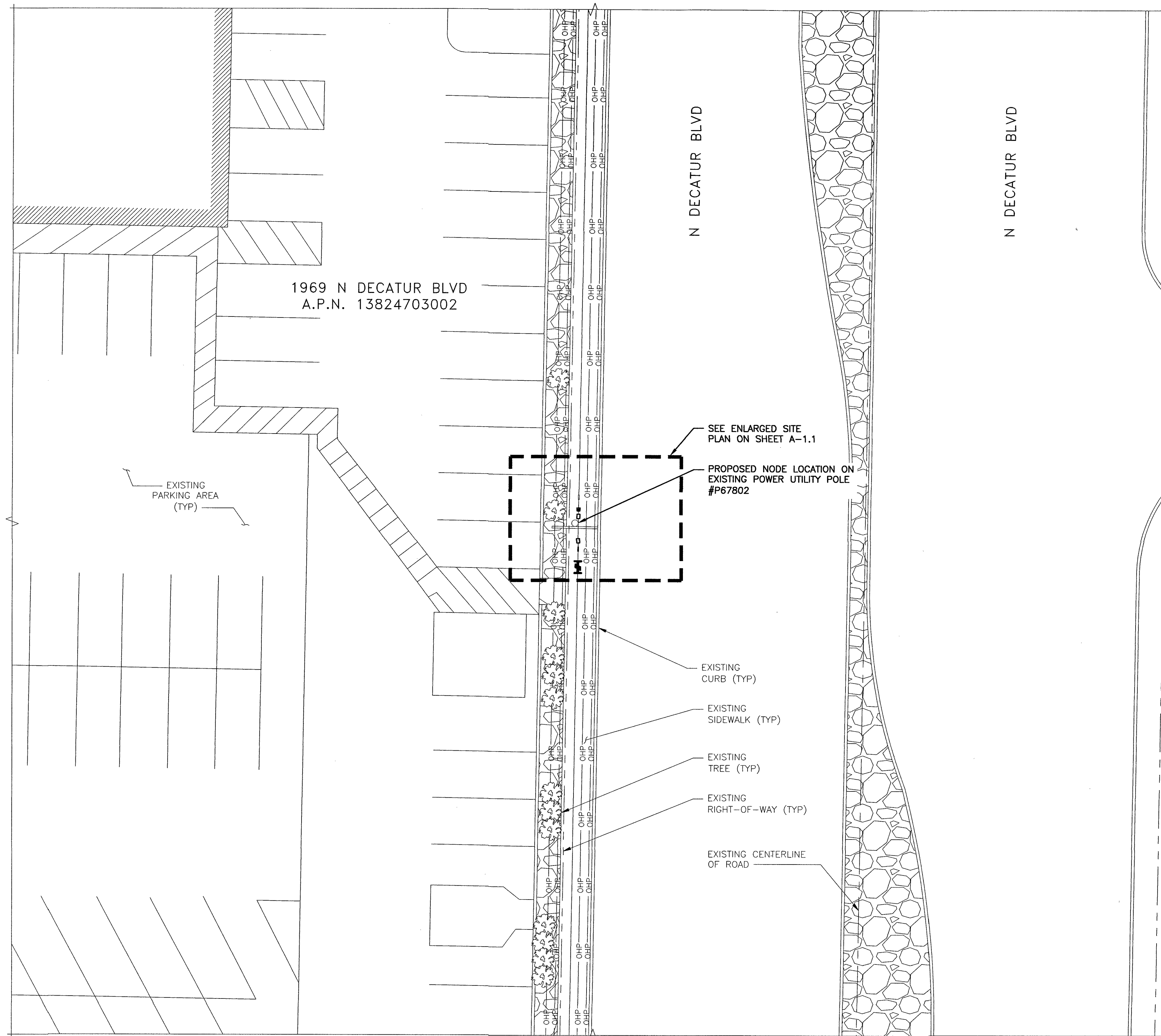
GENERAL NOTES

1

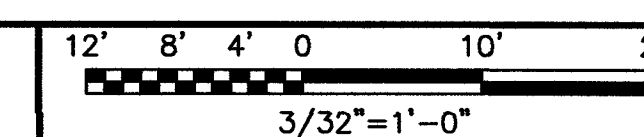
NOT USED

NO SCALE

2



OVERALL SITE PLAN



1



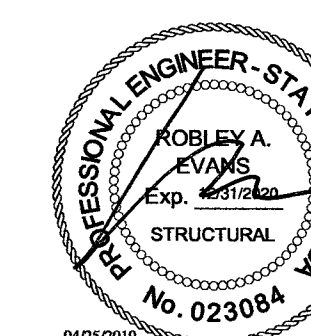
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LAS VEGAS, NV 89108
SMALL CELL

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A-1

619-00894 107V7880

THIS DRAWING IS
NOT A SITE SURVEY

THE PURPOSE OF THIS DRAWING IS
TO SHOW HOW THE DEVELOPED SITE
RELATES TO THE PARENT PARCEL
AND ADJACENT PROPERTIES.

NOTE:

ANTENNAS TO BE ALIGNED AS NOTED.
CONFIRM FINAL ALIGNMENT WITH MOST
RECENT RFDS

ANTENNA 1: AZIMUTH 110°, DOWNTILT 0°
ANTENNA 2: AZIMUTH 250°, DOWNTILT 0°

1969 N DECATUR BLVD
A.P.N. 13824703002

EXISTING
PARKING AREA
(TYP)

EXISTING POWER INVERTER

PROPOSED RF DISCONNECT SWITCH
MOUNTED ON EXISTING COX STRAND

PROPOSED SHUT OFF NOTICE SIGN

PROPOSED NODE LOCATION ON EXISTING
POWER UTILITY POLE #P67802

PROPOSED RF CAUTION SIGN

EXISTING POWER INVERTER

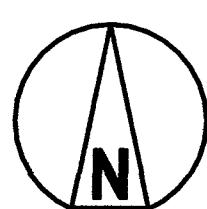
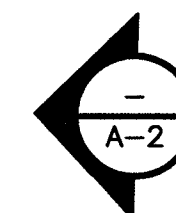
(2) PROPOSED RADIO UNITS MOUNTED
ON PROPOSED EQUIPMENT MOUNT

(2) PROPOSED ANTENNAS MOUNTED
ON PROPOSED EQUIPMENT MOUNT

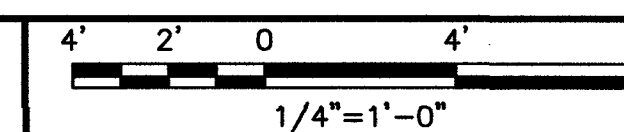
EXISTING CURB (TYP)

EXISTING
RIGHT-OF-WAY (TYP)

N DECATUR BLVD



ENLARGED SITE PLAN



1



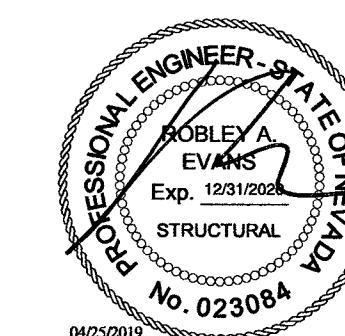
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PROJECT NO.	DRAWN BY	CHECKED BY
199064.5012	PSN	LEW

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LAS VEGAS, NV 89108
SMALL CELL

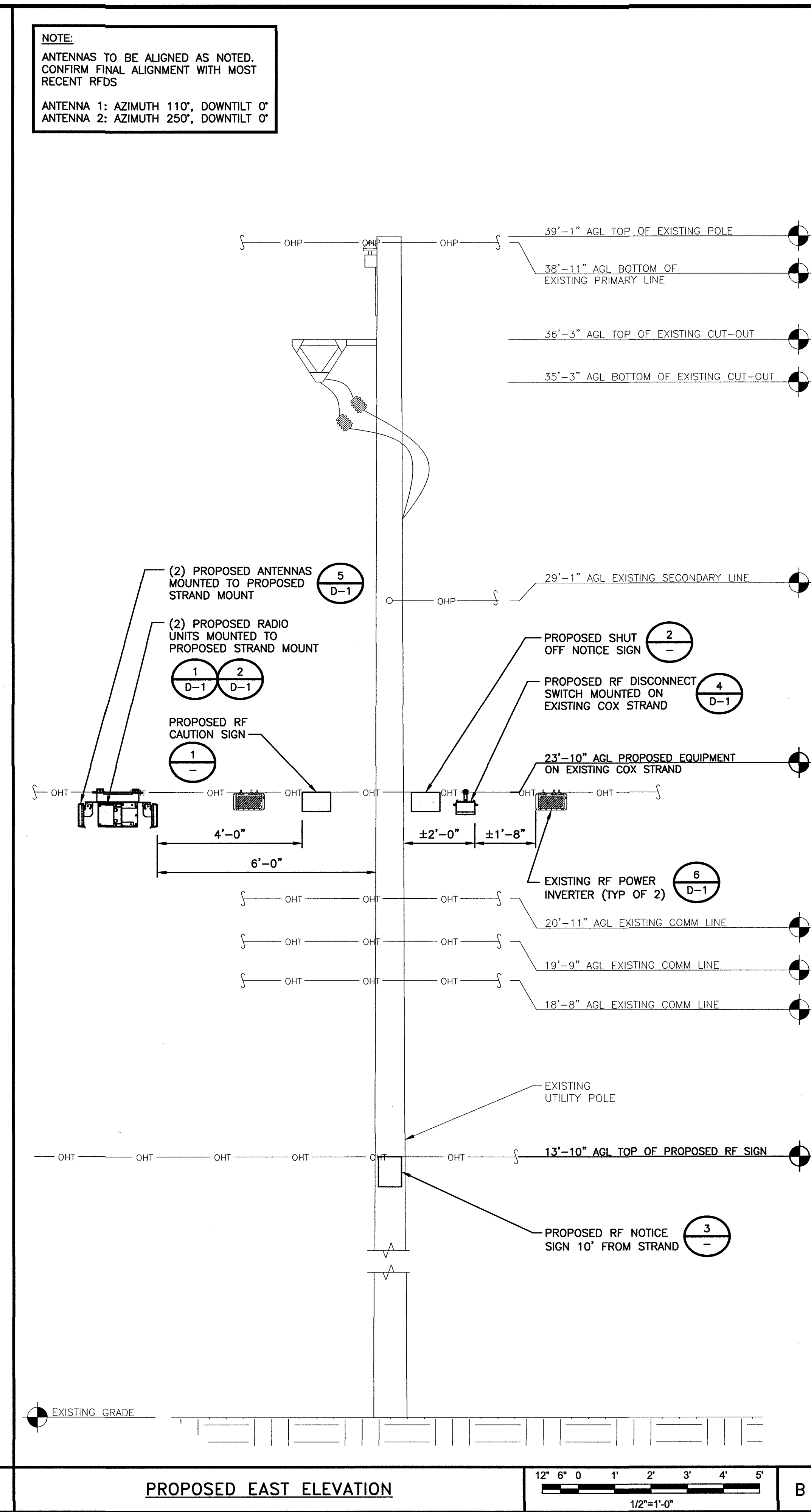
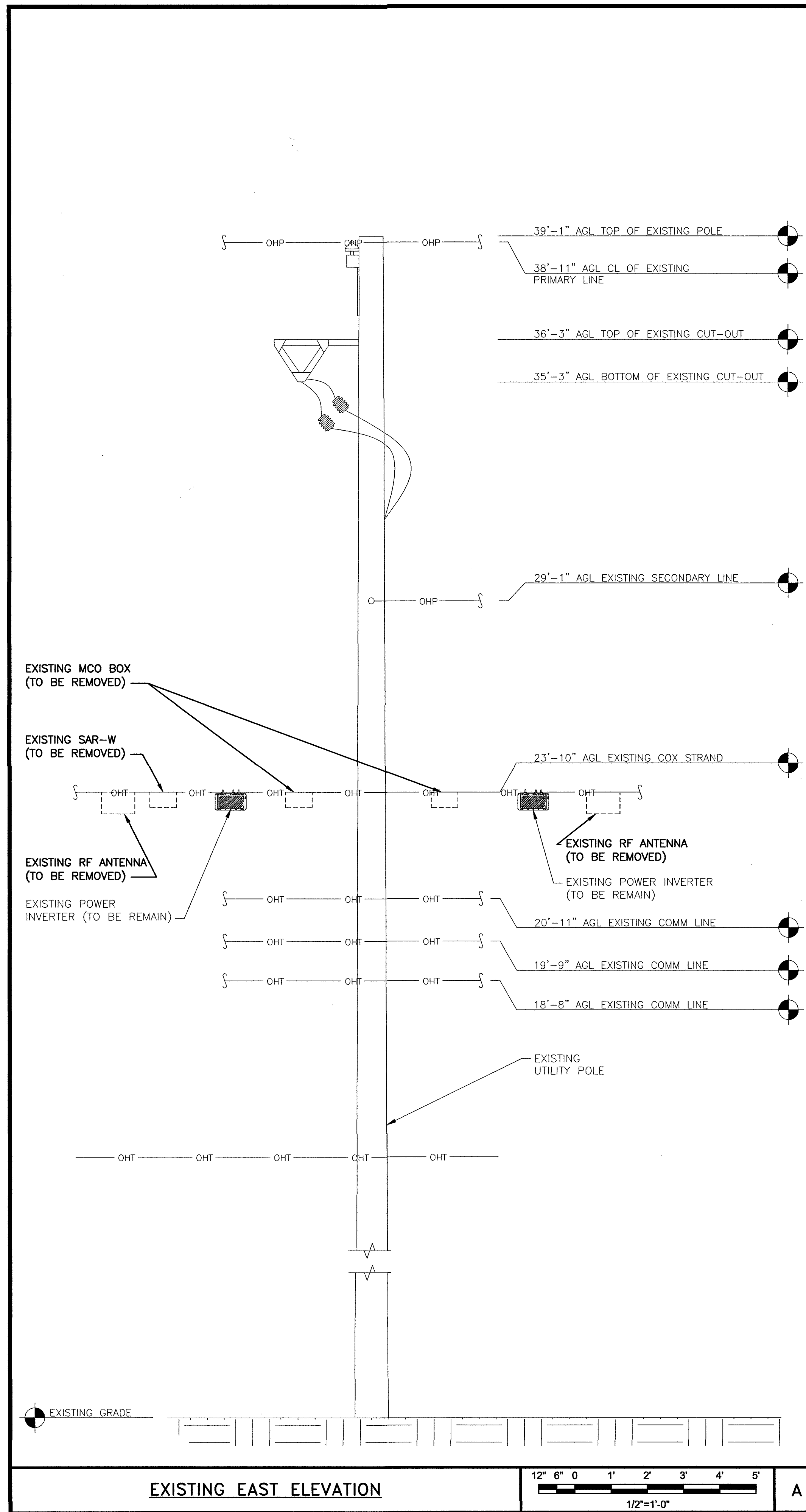
SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-1.1

419-00894 10177880

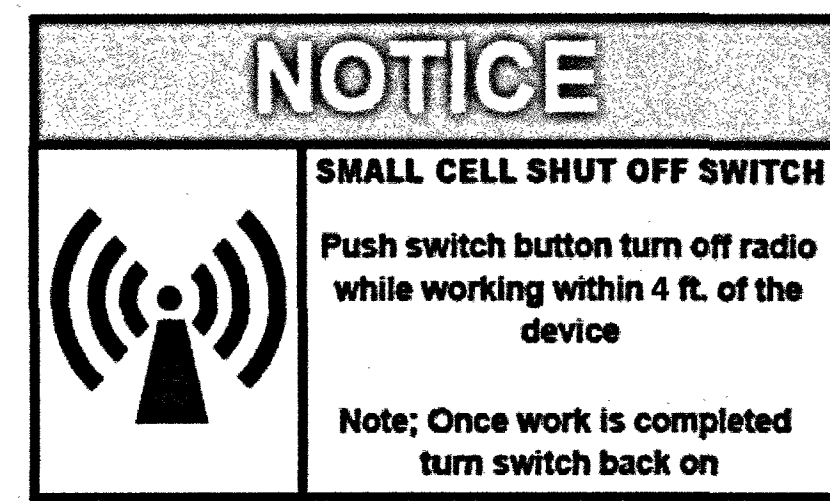


NOTE:
ANTENNAS TO BE ALIGNED AS NOTED.
CONFIRM FINAL ALIGNMENT WITH MOST
RECENT RFDS

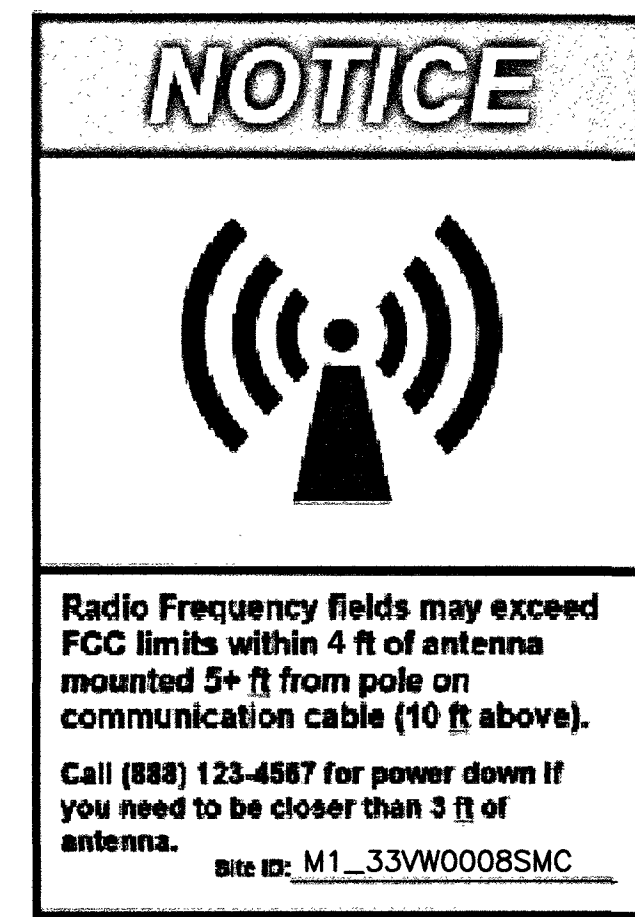
ANTENNA 1: AZIMUTH 110°, DOWNTILT 0°
ANTENNA 2: AZIMUTH 250°, DOWNTILT 0°



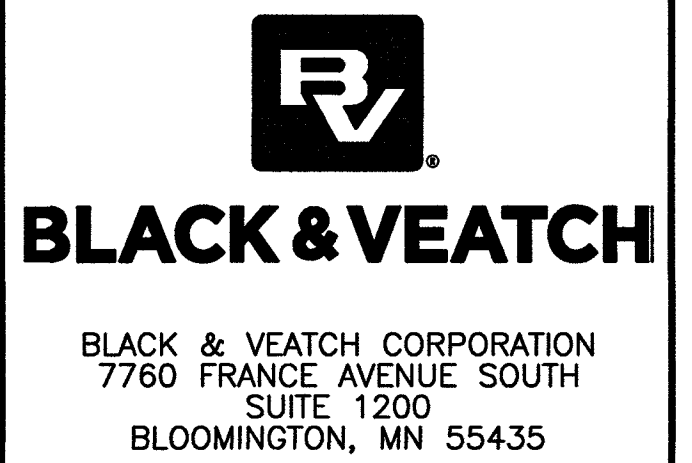
RF CAUTION SIGN NO SCALE 1



SHUT OFF NOTICE SIGN NO SCALE 2



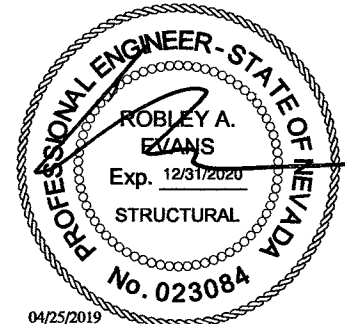
RF NOTICE SIGN NO SCALE 3



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PROJECT NO.	DRAWN BY	CHECKED BY
199064.5012	PSN	LEW

REV	DATE	DESCRIPTION
0	04/24/19	ISSUED FOR CONSTRUCTION

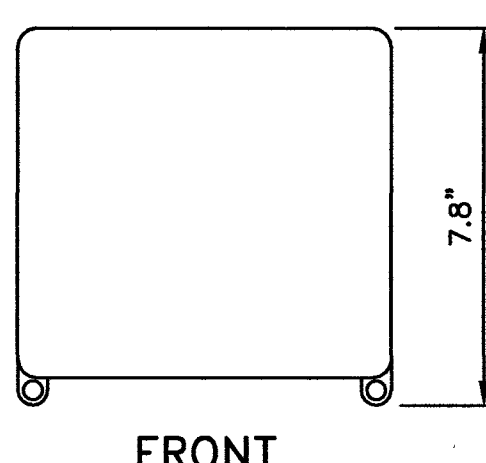
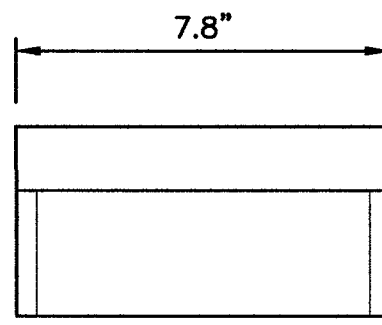
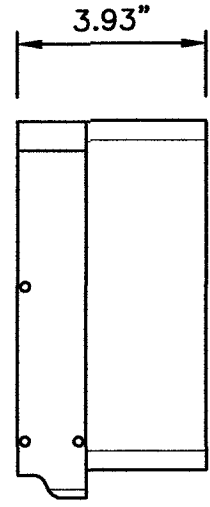
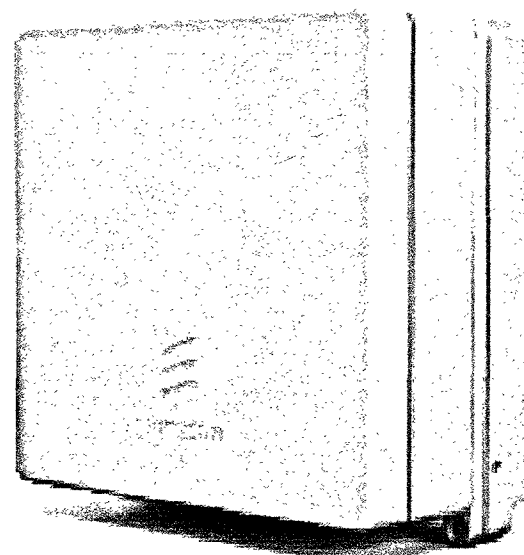
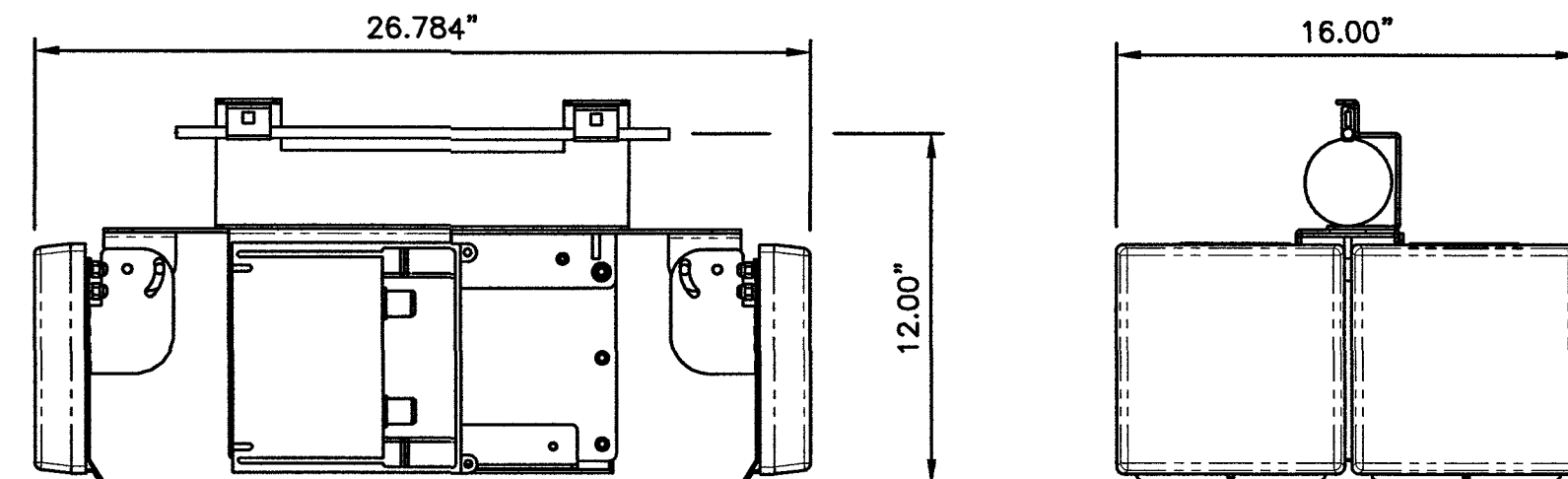
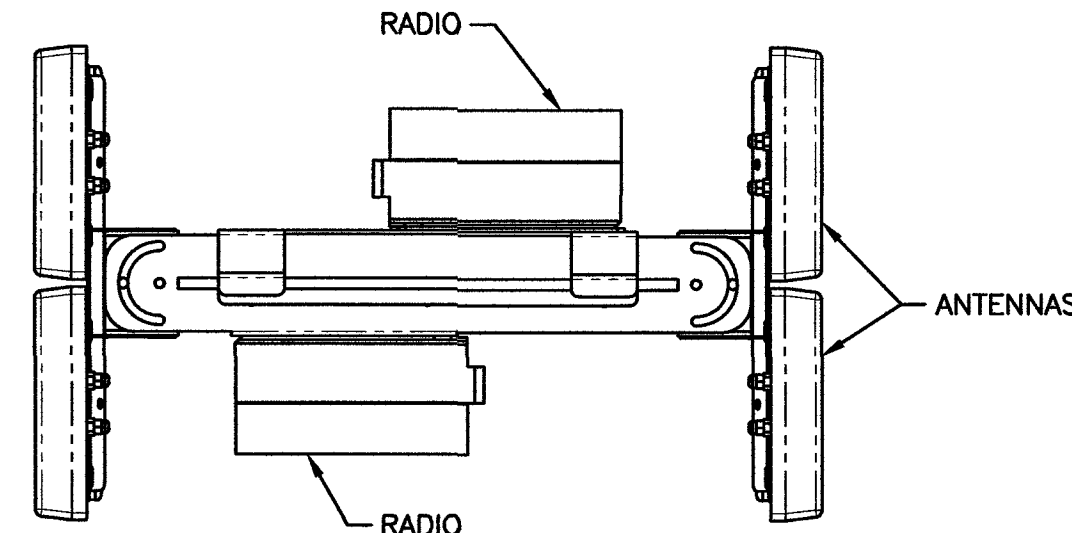
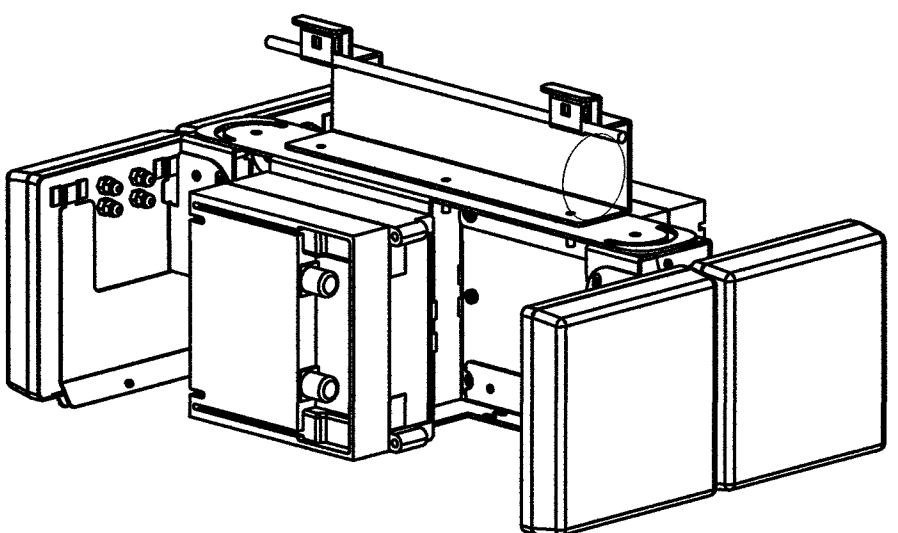
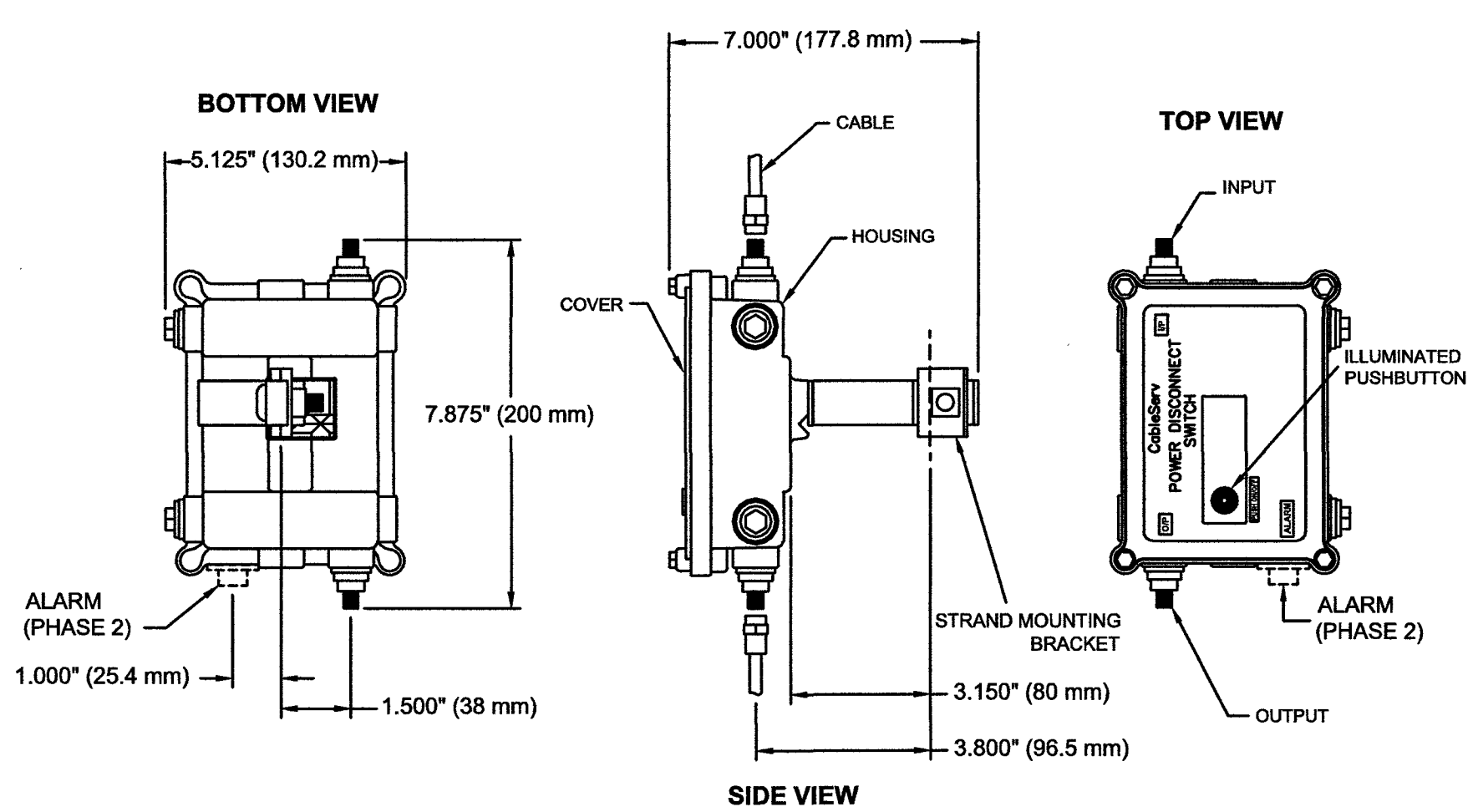
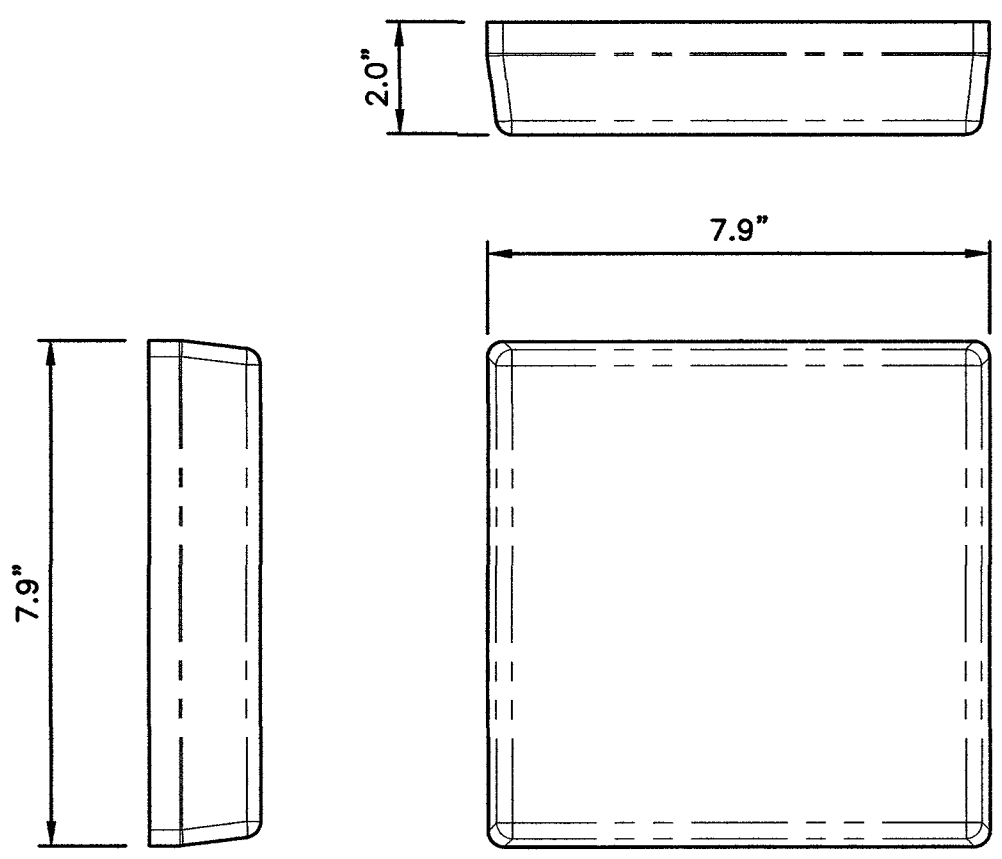
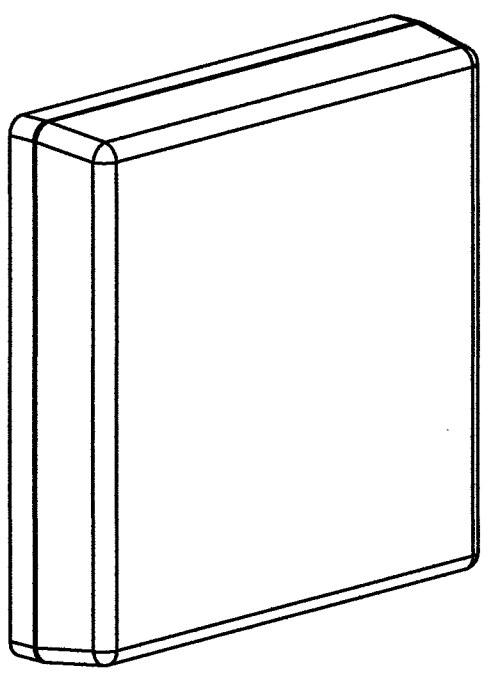
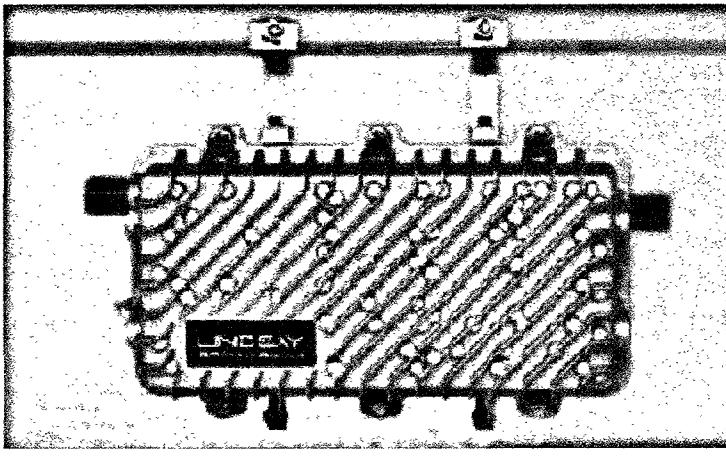


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ADDRESS
M1_33VW0008SMC
LSV_DECATUR_LAKE_MEAD_SC
1921.25 N DECATUR BOULEVARD
LAS VEGAS, NV 89108
SMALL CELL

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-2
L19-00894 107 V 7880

RADIO 2203 TECHNICAL SPECIFICATIONS FREQUENCY BANDS BANDS: 3GPP BANDS B1 (W/L), B3 (L), B3C (W/L), B8 (W/L), B66A (W/L), B5 (W/L), B2/B25 (W/L), B12 (L), B13 (L) AND B7 (L) HW CAPACITY CARRIER CAPACITY WCDMA: UP TO 4 CARRIERS CARRIER CAPACITY LTE: UP TO 40 MHz IBW: B1, B3 AND B66A 45 MHz. B2/B25 AND B7 40 MHz. B3C, B8, B5, B12 AND B13 FULL BAND. MIMO: YES, 2T/2R OUTPUT POWER: UP TO 2 x 5 W INTERFACE SPECIFICATIONS ANTENNA PORTS: 2 x 4.3-10 (f) CPRI: 2 x 2.5/5/10 Gbps (EXCHANGEABLE SFP MODULES) OPTICAL INDICATORS: 6 EXTERNAL ALARMS: 2 FIELD GROUND: 1 MECHANICAL SPECIFICATIONS W x H x D: 7.8"x7.8"x3.9" (200mmx200mmx100mm), INCLUDING MOUNTING BRACKET AND AESTHETIC FRONT COVER WEIGHT: < 4.5 kg VOLUME: 4 l MOUNTING: WALL AND POLE MOUNT 		NO SCALE	1	SW-5879-B STRAND MOUNT ASSEMBLY 		NO SCALE	2	NOT USED		NO SCALE	3																																																																																							
RADIO SPECIFICATIONS			STRAND MOUNT SPECIFICATIONS			NOT USED																																																																																												
CELL POWER DISCONNECT SWITCH 		NO SCALE	4	COMMSCOPE VV-65T-F-V2 ANTENNA MECHANICAL SPECIFICATIONS: RF CONNECTOR QUANTITY, TOTAL: 4 RF CONNECTOR QUANTITY, HIGH BAND: 4 RF CONNECTOR INTERFACE: 4.3-10 MALE COLOR: LIGHT GRAY RADIATOR MATERIAL: ALUMINUM RADOME MATERIAL: ABS, UV RESISTANT RF CONNECTOR LOCATION: END OF FLEXIBLE LEAD NET WEIGHT, WITHOUT MOUNTING KIT: 1.8 lbs 		NO SCALE	5	SPECIFICATIONS LBPS-250 <table><tr><th>ITEM</th><th>SPECIFICATIONS</th><th>UNIT</th></tr><tr><td rowspan="3">INPUT</td><td>PHASE</td><td>SINGLE PHASE</td></tr><tr><td>WORKING VOLTAGE</td><td>40-100 (HFC)</td></tr><tr><td>FREQUENCY</td><td>47-63</td></tr><tr><td rowspan="10">OUTPUT</td><td>CONDUCTED NOISE</td><td>-60</td></tr><tr><td>TOTAL CONDUCTED POWER</td><td>250</td></tr><tr><td>VOLTAGE</td><td>55.8</td></tr><tr><td>VOLTAGE ACCURACY</td><td>+/-2</td></tr><tr><td>RIPPLE/NOISE (0.500Hz)</td><td>500</td></tr><tr><td>RIPPLE/NOISE (0.5-150kHz)</td><td>200</td></tr><tr><td>RIPPLE/NOISE (150-500kHz)</td><td>150</td></tr><tr><td>RIPPLE/NOISE (0.5-1Hz)</td><td>100</td></tr><tr><td>OUTPUT CURRENT</td><td>4.48</td></tr><tr><td>CURRENT LIMIT</td><td>YES, SELF RECOVER</td></tr><tr><td rowspan="4">WIRES</td><td>COLOR & GAGE</td><td>AC(HOT) GREEN,18 awg AC(COMMON) BLACK,18 awg OUTPUT(+VE) BROWN,18 awg OUTPUT(-VE) BLUE,18 awg</td></tr><tr><td>LENGTH</td><td>ALL WIRES 40</td></tr><tr><td>cm each</td><td></td></tr><tr><td>GENERAL</td><td></td></tr><tr><td>COOLING</td><td>ALUM CHASSIS HEAL SINK SURFACE, FAN NOT ALLOWED</td><td></td></tr><tr><td>EFFICIENCY(FULL LOAD)</td><td>80</td><td>% min</td></tr><tr><td>SURGE WITHSTAND</td><td>8kA,3kA,8/20us COMBO WAVE 6kV, 200A,100kHz RING WAVE (ANSYS/CTE 81 2007)</td><td></td></tr><tr><td>HFC PLATFORM</td><td></td><td></td></tr><tr><td>RETURN LOSS</td><td>16 dB(max)</td><td></td></tr><tr><td>FAIRLIGHT</td><td>15 p.p.s.</td><td></td></tr><tr><td>TEMPERATURE RANGE</td><td>-40° TO +60° C(-40°F TO +140°F)</td><td></td></tr><tr><td>EMI ISOLATION</td><td>100dB(5 TO 1000MHz)</td><td></td></tr><tr><td>POWERING</td><td>40-90Vdc (PAUEDA SINE)</td><td></td></tr><tr><td>DIMENSIONS</td><td>16"x9.5"x8.25" (inches)</td><td></td></tr><tr><td>WEIGHT</td><td>18 lbs</td><td></td></tr></table>		ITEM	SPECIFICATIONS	UNIT	INPUT	PHASE	SINGLE PHASE	WORKING VOLTAGE	40-100 (HFC)	FREQUENCY	47-63	OUTPUT	CONDUCTED NOISE	-60	TOTAL CONDUCTED POWER	250	VOLTAGE	55.8	VOLTAGE ACCURACY	+/-2	RIPPLE/NOISE (0.500Hz)	500	RIPPLE/NOISE (0.5-150kHz)	200	RIPPLE/NOISE (150-500kHz)	150	RIPPLE/NOISE (0.5-1Hz)	100	OUTPUT CURRENT	4.48	CURRENT LIMIT	YES, SELF RECOVER	WIRES	COLOR & GAGE	AC(HOT) GREEN,18 awg AC(COMMON) BLACK,18 awg OUTPUT(+VE) BROWN,18 awg OUTPUT(-VE) BLUE,18 awg	LENGTH	ALL WIRES 40	cm each		GENERAL		COOLING	ALUM CHASSIS HEAL SINK SURFACE, FAN NOT ALLOWED		EFFICIENCY(FULL LOAD)	80	% min	SURGE WITHSTAND	8kA,3kA,8/20us COMBO WAVE 6kV, 200A,100kHz RING WAVE (ANSYS/CTE 81 2007)		HFC PLATFORM			RETURN LOSS	16 dB(max)		FAIRLIGHT	15 p.p.s.		TEMPERATURE RANGE	-40° TO +60° C(-40°F TO +140°F)		EMI ISOLATION	100dB(5 TO 1000MHz)		POWERING	40-90Vdc (PAUEDA SINE)		DIMENSIONS	16"x9.5"x8.25" (inches)		WEIGHT	18 lbs		NO SCALE	6	COX BLACK & VEATCH BLACK & VEATCH CORPORATION 7760 FRANCE AVENUE SOUTH SUITE 1200 BLOOMINGTON, MN 55435 THESE DRAWINGS ARE COPYRIGHTED AND ARE THE PROPERTY OF BLACK & VEATCH; PRODUCED SOLELY FOR THE USE OF OUR CLIENT. ANY REPRODUCTION OR USE OF THE INFORMATION CONTAINED WITHIN SAID DRAWINGS IS PROHIBITED WITHOUT WRITTEN CONSENT BY BLACK & VEATCH. <table><tr><td>PROJECT NO.</td><td>DRAWN BY</td><td>CHECKED BY</td></tr><tr><td>199064.5012</td><td>PSN</td><td>LEW</td></tr></table><table><tr><td>0</td><td>04/24/19</td><td>ISSUED FOR CONSTRUCTION</td></tr><tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td></tr></table> PROFESSIONAL ENGINEER - STATE OF MINNESOTA DAVID A. EVANS Exp. 12/31/2020 STRUCTURAL No. 023084 04/25/2019 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. SITE ADDRESS M1_33VW0008SMC LSV_DECATUR_LAKE_MEAD_SC 1921.25 N DECATUR BOULEVARD LAS VEGAS, NV 89108 SMALL CELL SHEET TITLE EQUIPMENT DETAILS SHEET NUMBER D-1 L19-00894 107V 7880		PROJECT NO.	DRAWN BY	CHECKED BY	199064.5012	PSN	LEW	0	04/24/19	ISSUED FOR CONSTRUCTION	REV	DATE	DESCRIPTION
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