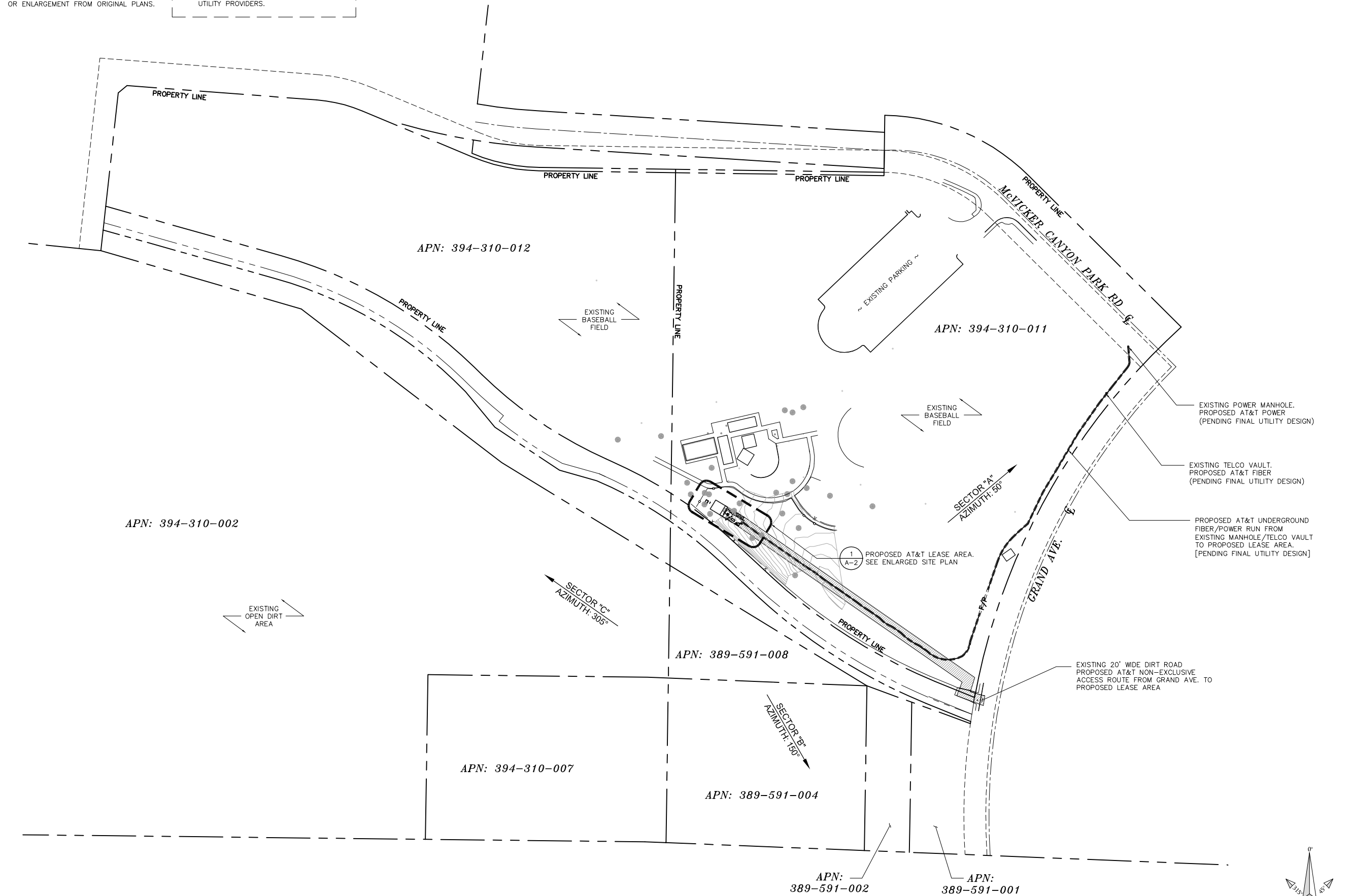
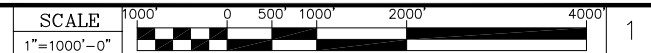


SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO NOT
SCALE CORRECTLY, CHECK FOR REDUCTION
OR ENLARGEMENT FROM ORIGINAL PLANS.

NOTES:
1. UTILITY DESIGN AND RUNS ARE
PRELIMINARY. PENDING FINAL DESIGN FROM
UTILITY PROVIDERS.



SITE PLAN



APPLICANT:



ENGINEER:



DRAWN BY: JJD/AS
CHECKED BY: CV

REVISIONS:

REV	DATE	DESCRIPTION
0	11/12/18	100% ZONING DRAWING
A	11/02/18	90% ZONING DRAWING

LICENSER:

NOT TO BE USED FOR
CONSTRUCTION

PROJECT INFORMATION:

PHONEX TOWER INTERNATIONAL
SITE #: US - CA - 1056

CSL00841
29355 GRAND AVENUE
LAKE ELSINORE, CA 92530

SHEET TITLE:

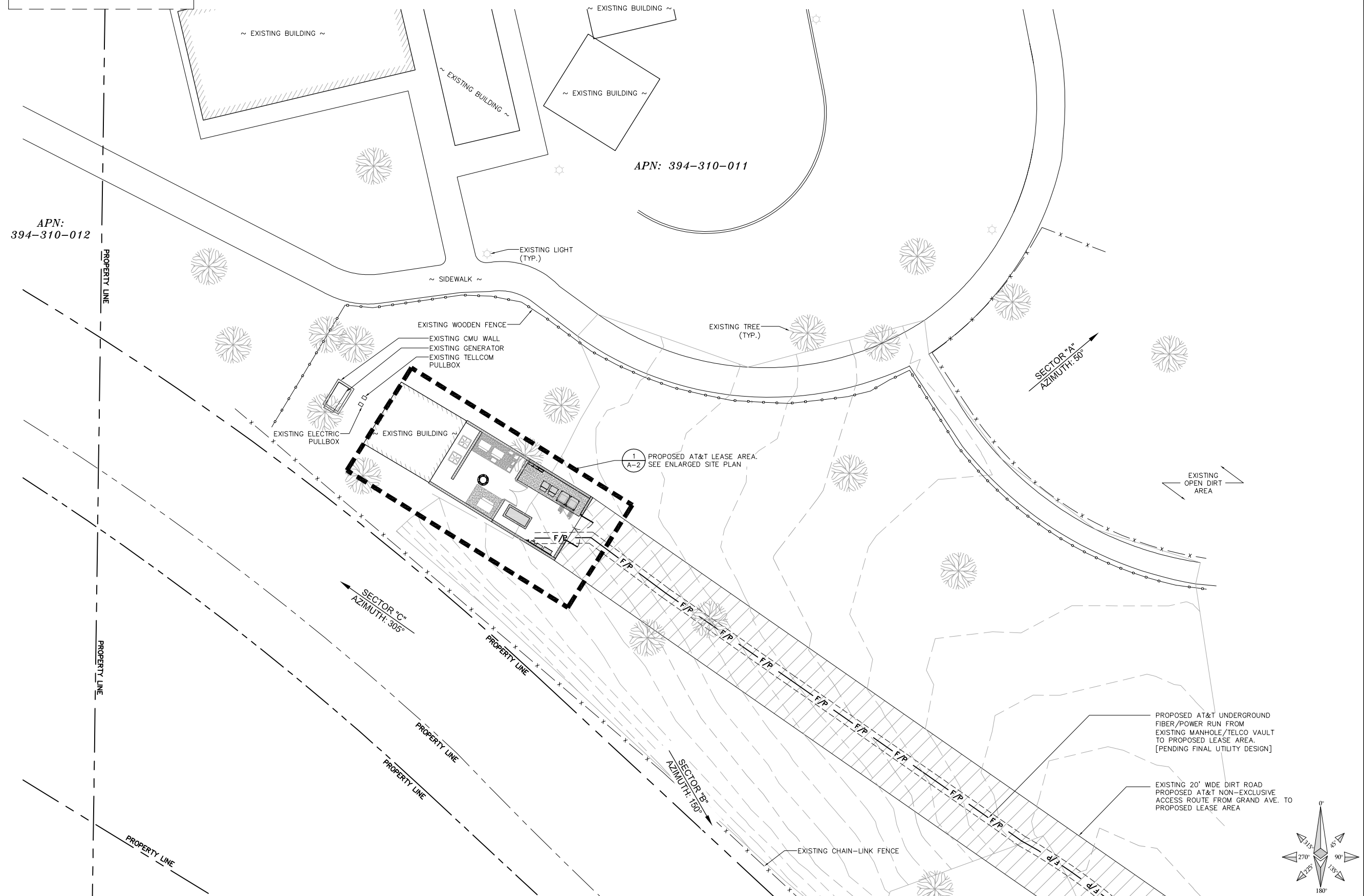
SITE PLAN

SHEET NUMBER:

A-1

NOTES:

1. UTILITY DESIGN AND RUNS ARE PRELIMINARY. PENDING FINAL DESIGN FROM UTILITY PROVIDERS.



ENLARGED SITE PLAN

APPLICANT:



1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

ENGINEER:



65 POST, SUITE 1000
IRVINE, CA 92618
TEL: (949) 553-8566
www.eukongroup.com

DRAWN BY:	JJD/AS
CHECKED BY:	CV

REVISIONS:		
O	11/12/18	100% ZONING DRAWING
A	11/02/18	90% ZONING DRAWING
REV	DATE	DESCRIPTION

LICENSER:

NOT TO BE USED FOR
CONSTRUCTION

PROJECT INFORMATION:

PHONEX TOWER INTERNATIONAL
SITE #: US - CA - 1056

CSL00841
29355 GRAND AVENUE
LAKE ELSINORE, CA 92530

SHEET TITLE:

ENLARGED SITE
PLAN

SHEET NUMBER:

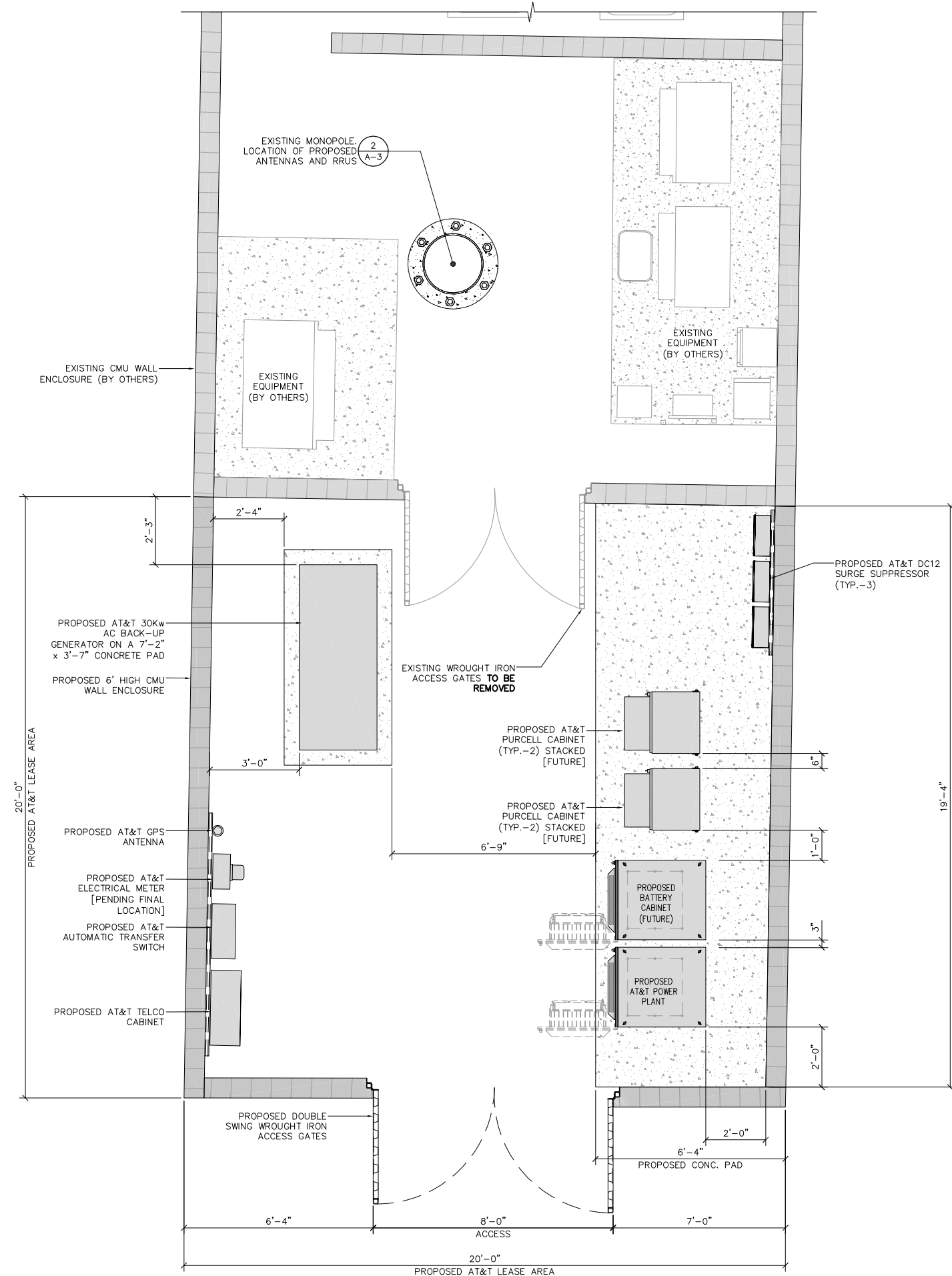
A-2

SCALE
1"=150'-0"



NOTES:

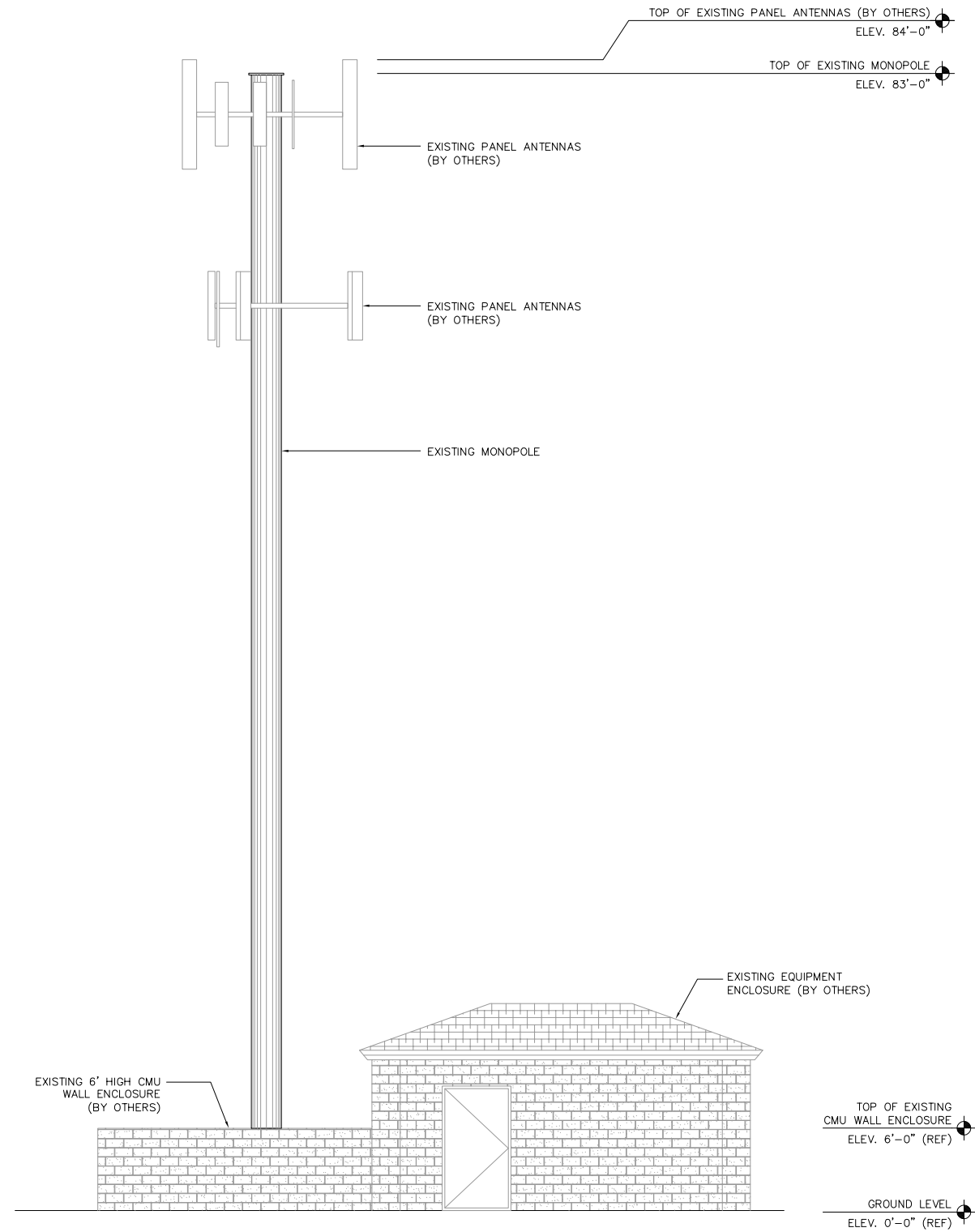
1. UTILITY DESIGN AND RUNS ARE PRELIMINARY. PENDING FINAL DESIGN FROM UTILITY PROVIDERS.
2. PROPOSED AT&T PANEL ANTENNAS AND ASSOCIATIVE EQUIPMENT NOT SHOWN FOR CLARITY.



SCALE	4' 0' 2' 4' 8' 16'	1
1/4"=1'-0"		

A-3

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO
NOT SCALE CORRECTLY, CHECK FOR
REDUCTION OR ENLARGEMENT FROM
ORIGINAL PLANS.

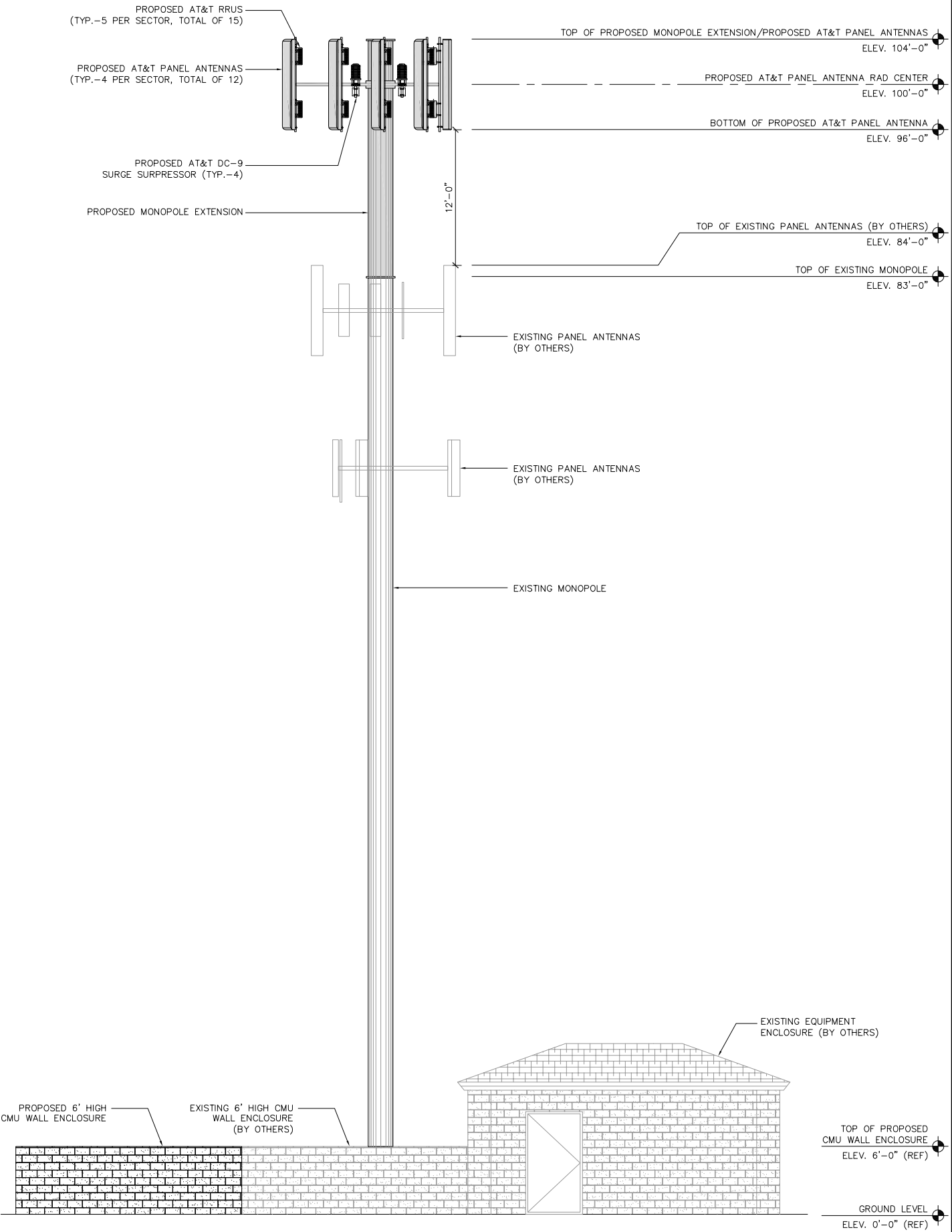


EXISTING NORTH ELEVATION

SCALE
3/16"=1'-0"



1



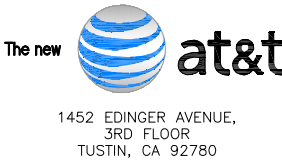
PROPOSED NORTH ELEVATION

SCALE
3/16"=1'-0"



2

APPLICANT:



ENGINEER:



DRAWN BY: JJD/AS
CHECKED BY: CV

REVISIONS:

REV	DATE	DESCRIPTION
0	11/12/18	100% ZONING DRAWING
A	11/02/18	90% ZONING DRAWING

LICENSER:

NOT TO BE USED FOR
CONSTRUCTION

PROJECT INFORMATION:

PHONEX TOWER INTERNATIONAL
SITE #: US - CA - 1056

CSL00841
29355 GRAND AVENUE
LAKE ELSINORE, CA 92530

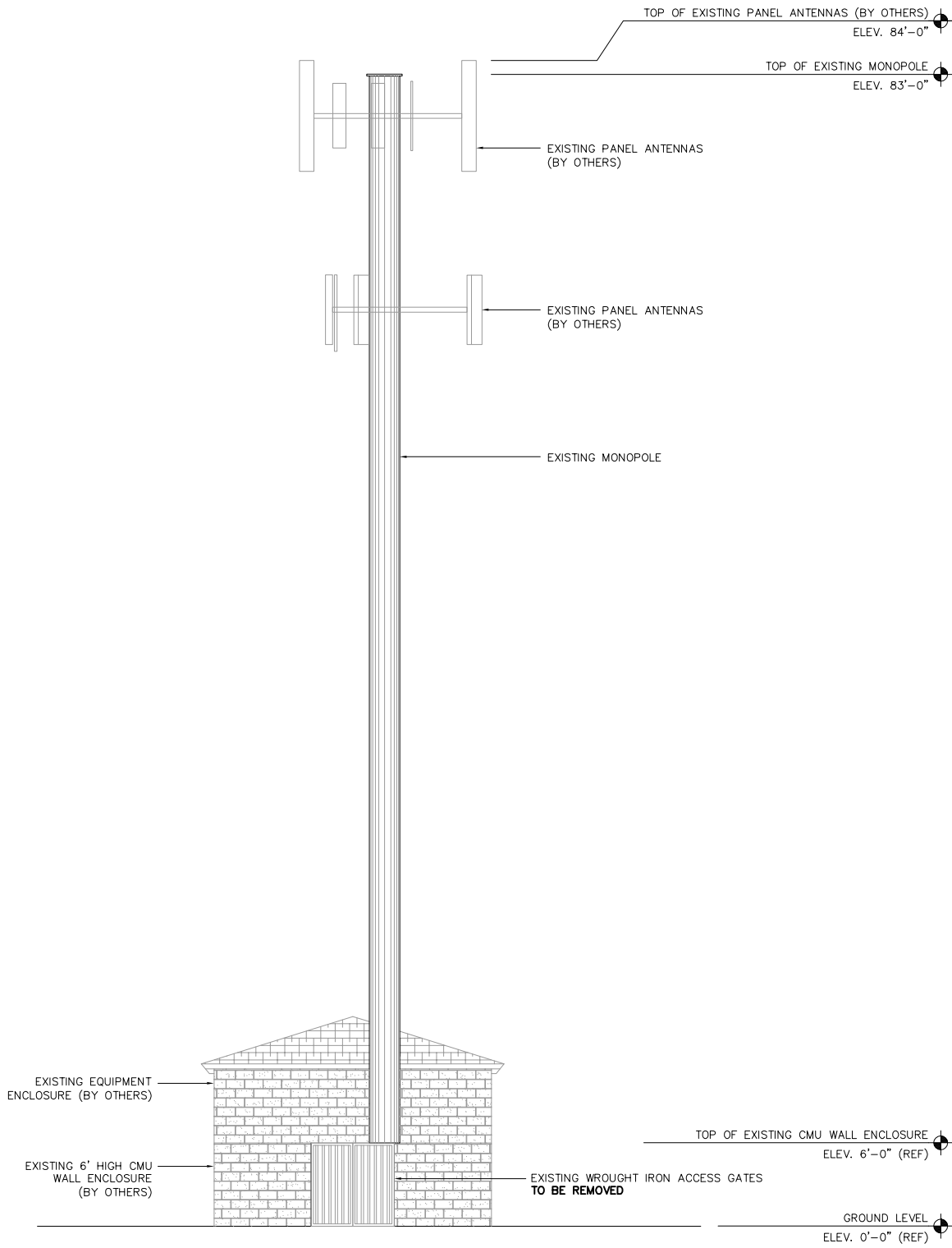
SHEET TITLE:

EXISTING AND PROPOSED
NORTH ELEVATIONS

SHEET NUMBER:

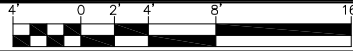
A-5

SCALE NOTE:
IF DIMENSIONS SHOWN ON PLAN DO
NOT SCALE CORRECTLY, CHECK FOR
REDUCTION OR ENLARGEMENT FROM
ORIGINAL PLANS.

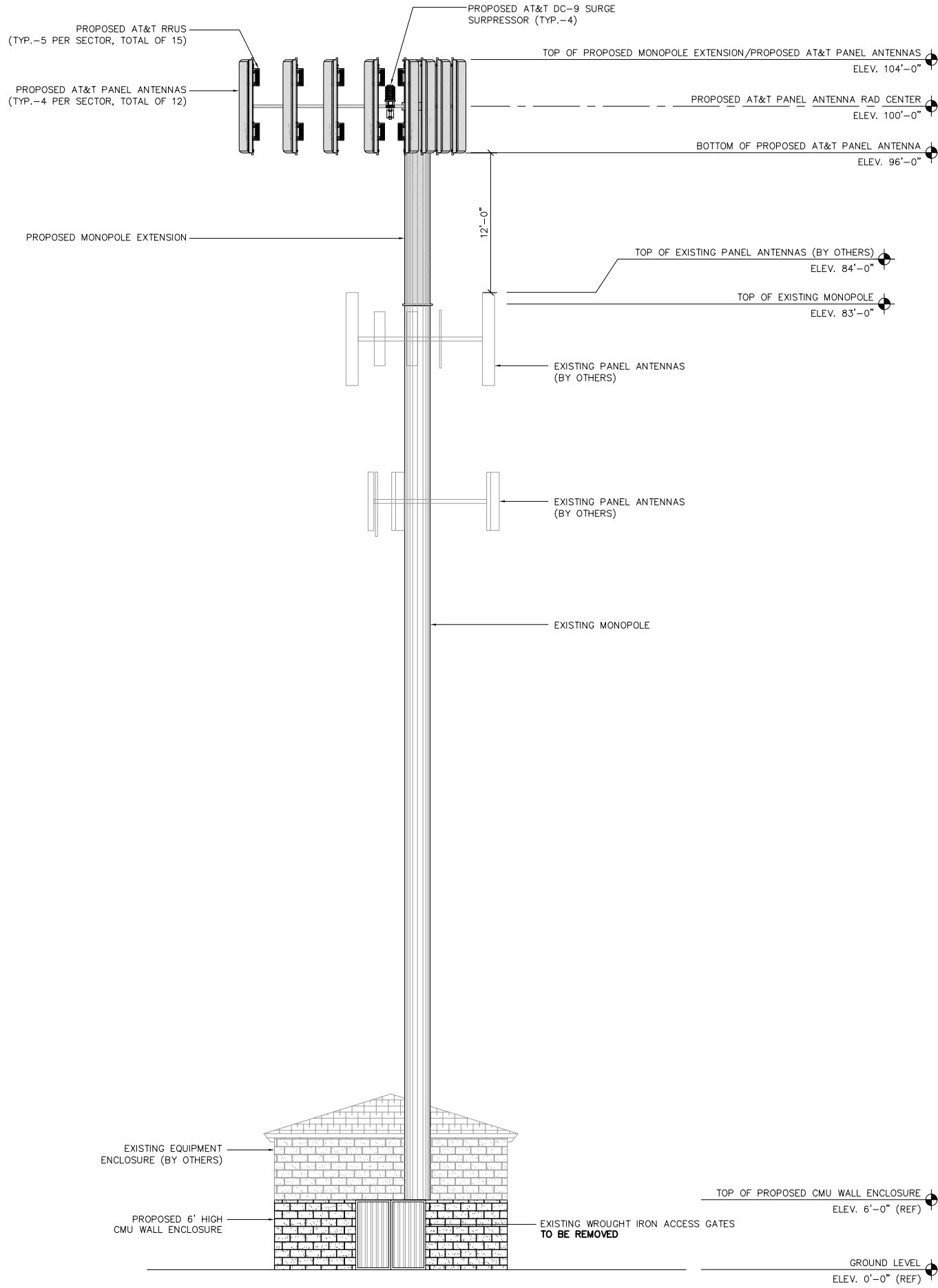


EXISTING EAST ELEVATION

SCALE
3/16"=1'-0"

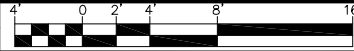


1



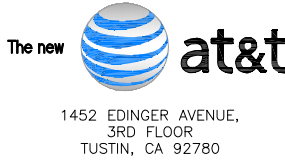
PROPOSED EAST ELEVATION

SCALE
3/16"=1'-0"



2

APPLICANT:



ENGINEER:



DRAWN BY: JJD/AS
CHECKED BY: CV

REVISIONS:

REV	DATE	DESCRIPTION
0	11/12/18	100% ZONING DRAWING
A	11/02/18	90% ZONING DRAWING

LICENSER:

NOT TO BE USED FOR
CONSTRUCTION

PROJECT INFORMATION:

PHONEX TOWER INTERNATIONAL
SITE #: US - CA - 1056

CSL00841
29355 GRAND AVENUE
LAKE ELSINORE, CA 92530

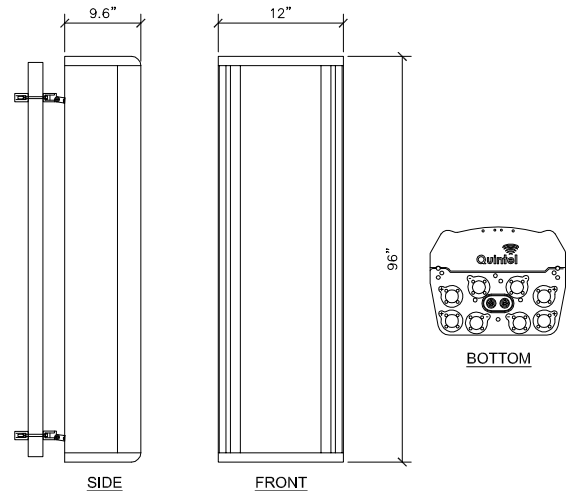
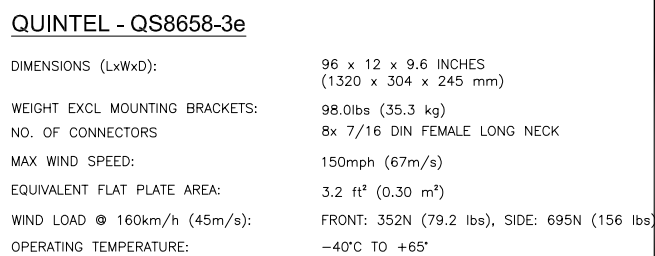
SHEET TITLE:

EXISTING AND PROPOSED
EAST ELEVATIONS

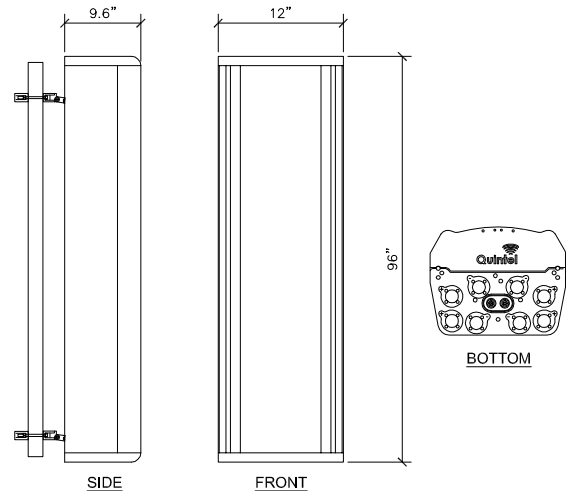
SHEET NUMBER:

A-6

CONNECTOR:	6 x 7-16 DIN female
ADJUSTMENT MECHANISM:	Flex RET (continuously adjustable)
WEIGHT:	77.2 lb (35kg) 81.6 lb (37kg) clamps included
DIMENSIONS:	96.1 x 14.8 x 6.7 inches (2441 x 377 x 169 mm)
WIND LOAD	AT 93 mph (150kph)
FRONT/SIDE/REAR:	347 lbf/117 lbf/358 lbf (1540 N) / (520 N) / (1590 N)
MOUNTING CATEGORY:	H (HEAVY)
WIND SURVIVAL RATING:	150 mph (241 kph)
MOUNTING:	FIXED MOUNTS FOR 2 T 4.6 INCH (50 TO 115 mm) OD MASTS ARE INCLUDED AND TILT OPTIONS ARE AVAILABLE



DIMENSIONS (LxWxD):	96 x 12 x 9.6 INCHES (1320 x 304 x 245 mm)
WEIGHT EXCL MOUNTING BRACKETS:	98.0lbs (35.3 kg)
NO. OF CONNECTORS	8x 7/16 DIN FEMALE LONG NECK
MAX WIND SPEED:	150mph (67m/s)
EQUIVALENT FLAT PLATE AREA:	3.2 ft² (0.30 m²)
WIND LOAD @ 160km/h (45m/s):	FRONT: 352N (79.2 lbs), SIDE: 695N (156 lbs)
OPERATING TEMPERATURE:	-40°C to +65°



APPLICANT:

The new at&t

1452 EDINGER AVENUE,
3RD FLOOR
TUSTIN, CA 92780

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CONSTRUCTION

A-7

ONS, WxDxH: 470x190x518 mm
(18.5"x7.48"x20.39")

CONSUMPTION: 2 x 40W

EIGHT: 52.9 LBS.

NOT USED

DATA SHEET

DC Surge Protection Solutions
DC9-48-60-24-8C-EV
Overvoltage Protection and Fiber Distribution/Cable Management Solution

Rooftop / Towertop

The DC9-48-60-24-8C-EV is designed to provide the ultimate coordination between the SPD and the RRH/RRU by offering industry-leading low-clamping voltage of 160V and extremely robust protection for use in a high DC voltage environment. Capable of providing 12.5kA (10/350 μ s) max per circuit surge capacity for up to 9 -48V DC circuits.

powered by
Strikesorb

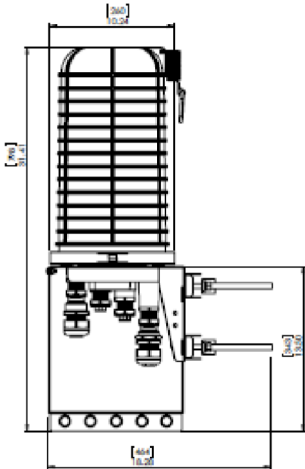


Features

- Provides discrete protection for nine individual -48V DC circuits
- Maximum impulse current 12.5kA 10/350 μ s
- Fiber connections for up to 24 fiber pair
- Simplifies inter-connectivity and cable management for DC conductors
- UL 1449 4th Edition Type 2 protective device for DC applications
- IEC 61643-11 Class I protection
- Copper-coated lid to reduce power line interference
- Patented design
- Patented Strikesorb technology ensures lowest let-through voltage available in the industry, providing enhanced coordination with the RRH/RRU
- Raycap recommends that DC protection system be installed within 5 meters of the radio

Benefits

- Strikesorb modules are fully recognized to UL 1449 4th Edition, and IEC 61643-11 Safety Standards, meeting all intermediate and high current fault requirements to facilitate use in original equipment manufacturers (OEM) applications
- Strikesorb offers unique maintenance-free protection against direct lightning currents
- Design provides maximum flexibility for installation
- NEMA 4X enclosure



Raycap

www.raycap.com

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G02-01-515 190109

SPECIFICATIONS

DC Surge Protection Solutions
DC9-48-60-24-8C-EV
Overvoltage Protection and Fiber Distribution/Cable Management Solution

powered by
Strikesorb

Electrical	
Model Number	DC9-48-60-24-8C-EV
OEQ / ANT Number	CEQ.21427
Number of Circuits Protected	9
Surge Protective Device (SPD) Type per UL 1449 4th Edition	Type 2
Surge Protection Class as per IEC 61643-11	Class I
Nominal Operating DC Voltage [U _n]	-48 VDC
Nominal Discharge Current [I _n] per UL 1449 4th Edition	20kA 8/20 μ s
Maximum Impulse (Lightning) Current [I _{imp}] per IEC 61643-11	12.5kA 10/350 μ s
Maximum Continuous Operating DC Voltage [U _c] (MOOV)	60 VDC
Voltage Protection Level [U _p] at 12.5kA per IEC 61643-11	160 V
Voltage Protection Level [U _p] at 5kA per IEC 61643-11	145 V
Voltage Protection Rating (VPR) per UL 1449 4th Edition	330 V
Suppression Technology	MOV
Strikesorb Module Type 20A (UL 1449 4th edition)	30-V1-2CEV
Protection Modes:	Normal Mode -48V to Return Common Mode Return to Ground

Mechanical	
Connection Terminal (Suppression) Method (for all power cables)	Compression lug 2 hole, #10, 5/8 pitch, #12 – #4 AWG [3.3 – 21.15 mm ²]
Connection Terminal (Terminal Block) Method	Copper #12 to #4 AWG [3.3 – 21.15 mm ²]
Fiber Connection Method	LC-LC Single Mode
Environmental Ingress Protection (IP) Rating	IP 68
Operating Temperature (°C)	-40° C to +100° C
Storage Temperature (°C)	-70° C to +80° C
Cold Temperature Cycling IEC 61300-2-22	-30° C to +80° C 200 hrs @5 PSI
Resistance to Aggressive Materials OEI IEC 61073-2	Including Acids and Bases
UV Protection ISO 4892-2 Method A	Xenon-Arc 2160 hrs
Enclosure Type	Outdoor NEMA 4X
Enclosure Dimensions (LxWxH)	18.28" x 10.24" x 31.4" [464x260x797 mm]
Weight*	System: 18.0 lbs [7.25 kg] Mount: 10.2 lbs [4.62 kg] Total: 28.2 lbs [11.87 kg]
Combined Wind Loading	Sustained Gust 150 mph Sustained: 105.7 lbs [470 N] 195 mph Gust: 213.6 lbs [950 N]

Optional Kits Available		
Trunk Gland Kit A	CEQ.21428	Oval Gasket for 4AWG and 8AWG Trunk
Trunk Gland Kit B	CEQ.21429	Oval Gasket for (2) 4AWG Trunks
Trunk Gland Kit C	CEQ.21434	Oval Gasket for (2) 8AWG Trunks

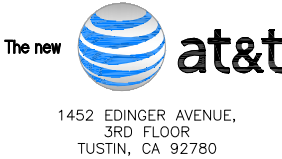
Standards Compliance & Certifications	
NEBS certified to: GR-63-CORE Issue 4, GR-1089-CORE Issue 6, GR-3108-CORE Issue 3, GR-487-CORE Issue 4, ATT-TP-76200 Issue 18	
Strikesorb modules are compliant to the following Surge Protection Device Standards:	
Standards: UL 1449 4th Edition: 2011, IEC 61643-11: 2011, EN 61643-11: 2012, IEEE C62.11: 2005, IEEE C62.41: 2002, IEEE C62.45: 2002, NEMA-LS-1	
Certifications: UL, VDE, CE	

AWG=American Wire Gauge



G02-01-515 190109

APPLICANT:



ENGINEER:



DRAWN BY: JJD/AS
CHECKED BY: CV

REVISIONS:		
0	11/12/18	100% ZONING DRAWING
A	11/02/18	90% ZONING DRAWING
REV	DATE	DESCRIPTION

LICENSER:

NOT TO BE USED FOR
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PROJECT INFORMATION:

PHONEX TOWER INTERNATIONAL
SITE #: US - CA - 1056

CSL00841
29355 GRAND AVENUE
LAKE ELSINORE, CA 92530

SHEET TITLE:

EQUIPMENT DETAILS

SHEET NUMBER:

A-8