

Community Services Department

Planning and Building

**SPECIAL USE PERMIT**

(see page 7)

**SPECIAL USE PERMIT FOR GRADING**

(see page 9)

**SPECIAL USE PERMIT FOR STABLES**

(see page 12)

**APPLICATION**



Community Services Department  
Planning and Building  
1001 E. Ninth St., Bldg. A  
Reno, NV 89512-2845

Telephone: 775.328.6100

## Washoe County Development Application

Your entire application is a public record. If you have a concern about releasing personal information, please contact Planning and Building staff at 775.328.6100.

<b>Project Information</b>		Staff Assigned Case No.: _____	
Project Name:			
Project Description:			
Project Address:			
Project Area (acres or square feet):			
Project Location (with point of reference to major cross streets <b>AND</b> area locator):			
Assessor's Parcel No.(s):	Parcel Acreage:	Assessor's Parcel No.(s):	Parcel Acreage:
Indicate any previous Washoe County approvals associated with this application: Case No.(s).			
<b>Applicant Information</b> (attach additional sheets if necessary)			
<b>Property Owner:</b>		<b>Professional Consultant:</b>	
Name:		Name:	
Address:		Address:	
Zip:		Zip:	
Phone:                      Fax:		Phone:                      Fax:	
Email:		Email:	
Cell:                              Other:		Cell:                              Other:	
Contact Person:		Contact Person:	
<b>Applicant/Developer:</b>		<b>Other Persons to be Contacted:</b>	
Name:		Name:	
Address:		Address:	
Zip:		Zip:	
Phone:                      Fax:		Phone:                      Fax:	
Email:		Email:	
Cell:                              Other:		Cell:                              Other:	
Contact Person:		Contact Person:	
<b>For Office Use Only</b>			
Date Received:                      Initial:		Planning Area:	
County Commission District:		Master Plan Designation(s):	
CAB(s):		Regulatory Zoning(s):	

# Property Owner Affidavit

**Applicant Name:** Epic Wireless on behalf of Verizon Wireless, Buzz Lynn

The receipt of this application at the time of submittal does not guarantee the application complies with all requirements of the Washoe County Development Code, the Washoe County Master Plan or the applicable area plan, the applicable regulatory zoning, or that the application is deemed complete and will be processed.

STATE OF NEVADA )

COUNTY OF WASHOE )

I, Robert Lissner

(please print name)

being duly sworn, depose and say that I am the owner\* of the property or properties involved in this application as listed below and that the foregoing statements and answers herein contained and the information herewith submitted are in all respects complete, true, and correct to the best of my knowledge and belief. I understand that no assurance or guarantee can be given by members of Planning and Building.

**(A separate Affidavit must be provided by each property owner named in the title report.)**

Assessor Parcel Number(s): 130-311-17

Printed Name Robert Lissner

Signed R LISSNER, MANAGER

Address 4790 Caughlin Pkwy 519  
Reno NV 89519 Reno

Subscribed and sworn to before me this 14th day of October 2019.

[Signature]

Notary Public in and for said county and state

My commission expires: 10/16/21

(Notary Stamp)



\*Owner refers to the following: (Please mark appropriate box.)

- Owner
- Corporate Officer/Partner (Provide copy of record document indicating authority to sign.)
- Power of Attorney (Provide copy of Power of Attorney.)
- Owner Agent (Provide notarized letter from property owner giving legal authority to agent.)
- Property Agent (Provide copy of record document indicating authority to sign.)
- Letter from Government Agency with Stewardship

WASHOE COUNTY ASSESSOR PROPERTY DATA

10/14/2019

Owner Information				Building Information				XFOB	SUBAREA
<b>APN</b>	556-390-05	Card 1 of 1		<b>Bld #1 Situs</b>	18400 VILLAGE PKWY	<b>Property Name</b>			
<b>Situs 1</b>	18400 VILLAGE PKWY WASHOE COUNTY NV 89508	Bld # 1		<b>Quality</b>	C20 Commercial 2.0 (Average)	<b>Building Type</b>	Gymnasium (School)		
<b>Owner 1</b>	WVC RECREATION LLC	OWNER		<b>Stories</b>	1	<b>2nd Occupancy</b>			
<b>Mail Address</b>	4790 CAUGHLIN PKWY PMB 519 RENO NV 89519			<b>Year Built</b>	2007	<b>WAY</b>	2007		
<b>Parcel Info &amp; Legal Description</b> <b>Keyline Desc</b> WOODLAND VILLAGE 13 LT L <b>Subdivision</b> WOODLAND VILLAGE PHASE 10 <b>Lot L Block</b> <b>Section Township</b> 21 <b>Range</b> 18 <b>Record of Survey Map</b> : <b>Parcel Map#</b> : <b>Sub Map#</b> 4457 <b>Special Property Code</b> <b>2019 Tax District</b> 4000 <b>Prior APN</b> 556-420-19 <b>2018 Tax District</b> 4000 <b>Tax Cap Status</b> NFM - Use does not qualify for Low Cap, High Cap Applied <b>PERMITS</b> GS 04/25/2008				<b>Bedrooms</b>	0	<b>Square Feet</b>	12240		
				<b>Full Baths</b>	0	<b>Finished Bsmt</b>	0		
				<b>Half Baths</b>	0	<b>Unfin Bsmt</b>			
				<b>Fixtures</b>	0	<b>Basement Type</b>			
				<b>Fireplaces</b>	0	<b>Gar Conv Sq Feet</b>	0		
				<b>Heat Type</b>	PACKAGE UNIT	<b>Total Garage Area</b>	0		
				<b>2nd Heat Type</b>		<b>Garage Type</b>			
				<b>Exterior Walls</b>	STUD WALLS - HARDBOARD SHEET	<b>Detached Garage</b>	0		
				<b>2nd Ext Walls</b>		<b>Basement Gar Door</b>	0		
				<b>Roof Cover</b>		<b>Sub Floor</b>			
<b>% Complete</b>	100	<b>Frame</b>	WD/STL FRAME						
<b>Obso/Bldg Adj</b>		<b>Units/Bldg</b>	1						
<b>Construction Modifier</b>		<b>Units/Parcel</b>	1						
<b>Land Information</b> <span style="float: right;">LAND DETAILS</span>									
<b>Land Use</b>	400	<b>DOR Code</b>	400	<b>Sewer</b>	Municipal	<b>Neighborhood</b>	GCIQ <a href="#">GC Neighborhood Map</a>		
<b>Size</b>	184,302.36 SqFt	<b>Size</b>	4.231 Acres	<b>Street</b>	Paved	<b>Zoning Code</b>	PSP		
				<b>Water</b>	Muni				

Sales and Transfer Records

RECORDER SEARCH



**WATERFORD**

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## Radio Frequency Emissions Compliance Report For AT&T Mobility

<b>Site Name:</b>	<b>Cold Springs Middle</b>	<b>Site Structure Type:</b>	<b>Monopine</b>
<b>Address:</b>	<b>18705 Village Center Drive</b>	<b>Latitude:</b>	<b>39.692503</b>
	<b>Reno, NV</b>	<b>Longitude:</b>	<b>-119.964144</b>
<b>Report Date:</b>	<b>October 4, 2019</b>	<b>Project:</b>	<b>New Build</b>

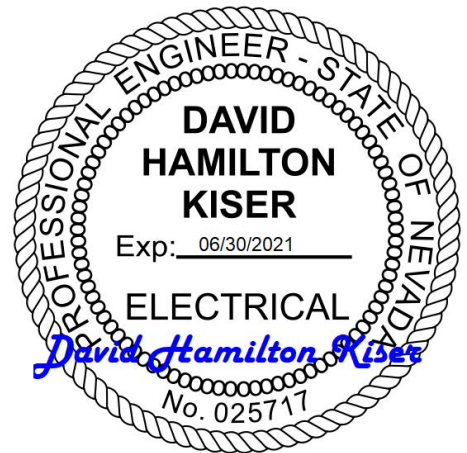
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### Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the Cold Springs Middle installation proposed by AT&T Mobility will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the Monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

### Certification

I, David Hamilton Kiser, am the reviewer and approver of this report and am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation, specifically in accordance with FCC's OET Bulletin 65. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.



### General Summary

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

Table 1: FCC Limits

Frequency (MHz)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minutes)	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

f=Frequency (MHz)

In situations where the predicted MPE exceeds the General Population threshold in an accessible area as a result of emissions from multiple transmitters, FCC licensees that contribute greater than 5% of the aggregate MPE share responsibility for mitigation.

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any location given the spatial orientation and operating parameters of multiple RF sources. The power density in the Far Field of an RF source is specified by OET-65 Equation 5 as follows:

$$S = \frac{EIRP}{4 \cdot \pi \cdot R^2} \text{ (mW/cm}^2\text{)}$$

where EIRP is the Effective Radiated Power relative to an isotropic antenna and R is the distance between the antenna and point of study. Additionally, consideration is given to the manufacturers' horizontal and vertical antenna patterns as well as radiation reflection. At any location, the predicted power density in the Far Field is the spatial average of points within a 0 to 6-foot vertical profile that a person would occupy. Near field power density is based on OET-65 Equation 20 stated as

$$S = \left( \frac{180}{\theta_{BW}} \right) \cdot \frac{100 \cdot P_{in}}{\pi \cdot R \cdot h} \text{ (mW/cm}^2\text{)}$$

where  $P_{in}$  is the power input to the antenna,  $\theta_{BW}$  is the horizontal pattern beamwidth and h is the aperture length.

Some antennas employ beamforming technology where RF energy allocated to each customer device is dynamically directed toward their location. In the analysis presented herein, predicted exposure levels are based on all beams at full utilization (i.e. full power) simultaneously focused in any direction. As this condition is unlikely to occur, the actual power density levels at ground and at adjacent structures are expected to be less than the levels reported below. These theoretical results represent worst-case predictions as all RF emitters are assumed to be operating at 100% duty cycle.

For any area in excess of 100% General Population MPE, access controls with appropriate RF alerting signage must be put in place and maintained to restrict access to authorized personnel. Signage must be posted to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Controls such as physical barriers to entry imposed by locked doors, hatches and ladders or other access control mechanisms may be supplemented by alarms that alert the individual and notify site management of a breach in access control. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with all wireless tenants.

## Analysis

AT&T Mobility proposes the following installation at this location:

- INSTALL (3) ANTENNAS PER SECTOR, FOR A TOTAL OF (9)
- INSTALL (6) RRU PER SECTOR, FOR A TOTAL OF (18)

The antennas will be mounted on a 80-foot monopine with centerlines 75.9 feet above ground level. Proposed antenna operating parameters are listed in Appendix A. Other appurtenances such as GPS antennas, RRUs and hybrid cable below the antennas are not sources of RF emissions. No other antennas are known to be operating in the vicinity of this site.

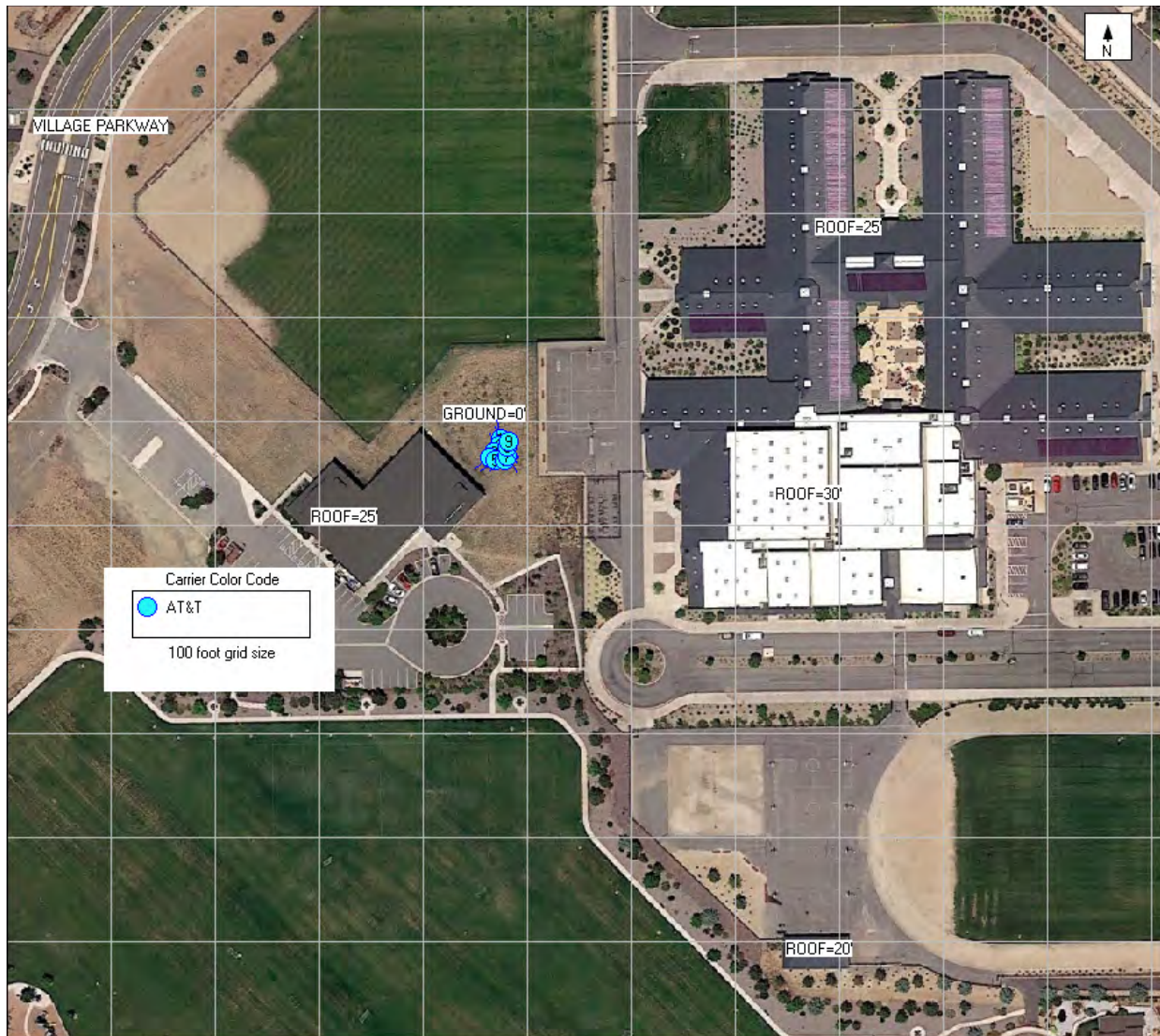


Figure 1: Antenna Locations

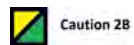
Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serves to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting

from all AT&T Mobility operations is 0.2496% of the FCC General Population limits. Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 5.4323% of the FCC General Population limits. The proposed operation will not expose members of the General Public to hazardous levels of RF energy at ground level or in adjacent buildings.

Waterford Consultants, LLC recommends posting RF alerting signage with contact information (Caution 2B) at the base of the Monopine to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.



Figure 2: Mitigation Recommendations  
Caution 2B posted at base of monopine





**Appendix A: Operating Parameters Considered in this Analysis**

Ant #:	Carrier:	Manufacturer	Pattern:	Band (MHz):	Mech Az (deg):	Mech DT (deg):	H BW (deg):	Length (ft):	TPO (W):	Channels:	Loss (dB):	Gain (dBd):	ERP (W):	EIRP (W):	Rad Center (ft):
1	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	700	350	0	74	8	40	4	0	12.41	2787	4572	75.9
1	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	850	350	0	72	8	40	4	0	12.87	3098	5083	75.9
1	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	1900	350	0	59	8	40	4	0	14.88	4922	8075	75.9
1	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	2100	350	0	62	8	40	4	0	14.71	4733	7765	75.9
2	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	350	0	73	8	40	4	0	12.82	3063	5025	75.9
2	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	1900	350	0	59	8	40	4	0	16.1	6518	10694	75.9
3	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	350	0	73	8	40	2	0	12.82	1531	2512	75.9
3	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	2300	350	0	59	8	25	4	0	16.9	4898	8035	75.9
4	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	700	231	0	74	8	40	4	0	12.41	2787	4572	75.9
4	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	850	231	0	72	8	40	4	0	12.87	3098	5083	75.9
4	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	1900	231	0	59	8	40	4	0	14.88	4922	8075	75.9
4	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	2100	231	0	62	8	40	4	0	14.71	4733	7765	75.9
5	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	231	0	73	8	40	4	0	12.82	3063	5025	75.9
5	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	1900	231	0	59	8	40	4	0	16.1	6518	10694	75.9
6	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	231	0	73	8	40	2	0	12.82	1531	2512	75.9
6	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	2300	231	0	59	8	25	4	0	16.9	4898	8035	75.9
7	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	700	150	0	74	8	40	4	0	12.41	2787	4572	75.9
7	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	850	150	0	72	8	40	4	0	12.87	3098	5083	75.9
7	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	1900	150	0	59	8	40	4	0	14.88	4922	8075	75.9
7	AT&T	COMMSCOPE	NNH4-65C-R6-V3 00DT	2100	150	0	62	8	40	4	0	14.71	4733	7765	75.9
8	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	150	0	73	8	40	4	0	12.82	3063	5025	75.9
8	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	1900	150	0	59	8	40	4	0	16.1	6518	10694	75.9
9	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	700	150	0	73	8	40	2	0	12.82	1531	2512	75.9
9	AT&T	COMMSCOPE	NNHH-65C-R4 02DT	2300	150	0	59	8	25	4	0	16.9	4898	8035	75.9

Washoe County Treasurer  
 Tammi Davis

## Account Detail

[Back to Account Detail](#)

[Change of Address](#)

[Print this Page](#)

### CollectionCart

Collection Cart	Items	Total	<a href="#">Checkout</a>	<a href="#">View</a>
	0	\$0.00		

### Pay Online

### Washoe County Parcel Information

Parcel ID	Status	Last Update
55639005	Active	10/15/2019 2:07:32 AM

**Current Owner:**

WVC RECREATION LLC

4790 CAUGHLIN PKWY PMB 519  
 RENO, NV 89519

**SITUS:**

18400 VILLAGE PKWY  
 WASHOE COUNTY NV

**Taxing District**

4000

**Geo CD:**

Legal Description

Block Section Range 18 SubdivisionName WOODLAND VILLAGE PHASE 10 Lot L Township 21

### Tax Bill (Click on desired tax year for due dates and further details)

Tax Year	Net Tax	Total Paid	Penalty/Fees	Interest	Balance Due
<a href="#">2019</a>	\$11,113.90	\$11,113.90	\$0.00	\$0.00	\$0.00
<a href="#">2018</a>	\$17,578.14	\$17,578.14	\$0.00	\$0.00	\$0.00
<a href="#">2017</a>	\$17,685.34	\$18,304.33	\$0.00	\$0.00	\$0.00
<a href="#">2016</a>	\$17,918.40	\$17,918.40	\$0.00	\$0.00	\$0.00
<b>Total</b>					<b>\$0.00</b>

Tax Year	Net Tax	Total Paid	Penalty/Fees	Interest	Balance Due
2015	\$17,991.36	\$17,991.36	\$0.00	\$0.00	\$0.00
				Total	\$0.00

The Washoe County Treasurer's Office makes every effort to produce and publish the most current and accurate information possible. No warranty is provided for the data herein, its use, or its interpretation. If you have any questions, please contact us at (775) 328-2510 or [tax@washoecount](mailto:tax@washoecount)

This site is best viewed using Google Chrome, Internet Explorer 11, Mozilla Firefox or Safari.

## RE: Cold Springs - AT&T Wireless, APN 556-390-14

Pelham, Roger <RPelham@washoecounty.us>

Mon 5/20/2019 9:13 AM

To: Buzz Lynn <Buzz.Lynn@epicwireless.net>

Cc: Lloyd, Trevor <TLloyd@washoecounty.us>

Hello Buzz,

In this case, the monopole facility is proposed within the Neighborhood Commercial zone so the applicable Code section is 110.324.50(e):

110.324.50(e)(1): SUP is required and height is the standard building height for the zone plus ten feet (or  $60+10=70$  feet)

110.324.50(e)(3): 25% height may be added if it is a **stealth design** (or 70 feet times 25% = 17.5 ' plus 70 feet allowed = 87.5 feet maximum)

Many thanks to Trevor for his interpretation!



**Roger Pelham, MPA**

Senior Planner, Planning and Building Division | Community Services Department

[rpelham@washoecounty.us](mailto:rpelham@washoecounty.us) | Office: 775.328.3622 | Fax: 775.328.6133

1001 East Ninth Street, Reno, NV 89512



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**From:** Buzz Lynn [mailto:Buzz.Lynn@epicwireless.net]

**Sent:** Friday, May 17, 2019 2:25 PM

**To:** Pelham, Roger

**Subject:** Fw: Cold Springs - AT&T Wireless, APN 556-390-14

[**NOTICE:** This message originated outside of Washoe County -- **DO NOT CLICK** on links or open **attachments** unless you are sure the content is safe.]

Roger - This keeps bouncing back as undeliverable to Trevor's address. Not sure where I went wrong, as I've tried twice. Anyway, if you could forward the one you received (no undeliverable for you!) to Trevor, it would be greatly appreciated.

Thanks!

Buzz Lynn

Site Development

**Epic Wireless Group LLC**

605 Coolidge Drive, Ste. 100

Folsom, CA 95630

**Desk: (775) 852-5367**

**Mobile: (916) 730-4420**

E-mail: Buzz.Lynn@epicwireless.net

# Special Use Permit Application Supplemental Information

(All required information may be separately attached)

1. What is the project being requested?

2. Provide a site plan with all existing and proposed structures (e.g. new structures, roadway improvements, utilities, sanitation, water supply, drainage, parking, signs, etc.)

3. What is the intended phasing schedule for the construction and completion of the project?

4. What physical characteristics of your location and/or premises are especially suited to deal with the impacts and the intensity of your proposed use?

5. What are the anticipated beneficial aspects or affects your project will have on adjacent properties and the community?

6. What are the anticipated negative impacts or affect your project will have on adjacent properties? How will you mitigate these impacts?

7. Provide specific information on landscaping, parking, type of signs and lighting, and all other code requirements pertinent to the type of use being purposed. Show and indicate these requirements on submitted drawings with the application.

8. Are there any restrictive covenants, recorded conditions, or deed restrictions (CC&Rs) that apply to the area subject to the special use permit request? (If so, please attach a copy.)

<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------	-----------------------------

9. Utilities:

a. Sewer Service	
b. Electrical Service	
c. Telephone Service	
d. LPG or Natural Gas Service	
e. Solid Waste Disposal Service	
f. Cable Television Service	
g. Water Service	

For most uses, Washoe County Code, Chapter 110, Article 422, Water and Sewer Resource Requirements, requires the dedication of water rights to Washoe County. Please indicate the type and quantity of water rights you have available should dedication be required.

h. Permit #		acre-feet per year	
i. Certificate #		acre-feet per year	
j. Surface Claim #		acre-feet per year	
k. Other #		acre-feet per year	

Title of those rights (as filed with the State Engineer in the Division of Water Resources of the Department of Conservation and Natural Resources).

--

10. Community Services (provided and nearest facility):

a. Fire Station	
b. Health Care Facility	
c. Elementary School	
d. Middle School	
e. High School	
f. Parks	
g. Library	
h. Citifare Bus Stop	

**PROJECT SUPPORT STATEMENT**  
**DEVELOPMENT APPLICATION FOR AT&T SITE**  
**APN 556-390-05**  
**18400 VILLAGE PARKWAY, RENO, NV 89508**

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**INTRODUCTION**

AT&T Wireless is seeking to improve communications service in Cold Springs in an effort to improve coverage and capacity generally around the Village Parkway Center area and surrounding residential area, as part of AT&T's larger Washoe County Initiative. Additionally, this network development will increase public safety within these areas and bring wireless service to areas that currently have poor coverage and capacity service.

This new tower will help alleviate a Significant Gap in Coverage (per section 110.324.55 of Washoe County code) within this service area, which causes reoccurring lost calls, ineffective service, and slow data speeds. To remedy these problems, AT&T proposes a new tower to be constructed at 18400 Village Parkway behind the Family Center.

The location of the equipment and antennas is designed to comply with Washoe County wireless design guidelines. While Washoe County favors co-location, in deference to the uniqueness of Cold Springs, AT&T proposes the lowest height required and the best match of its surroundings by using a monopine pole and stealth shelter that blends the same exterior material as the adjacent Family Center facility. All antennas to be covered in monopine "socks" to better blend in.

This unmanned facility will provide service to area travelers, residents and businesses 24 hours a day, 7 days a week. This site will also serve as a back up to the existing landline service in the area and will provide improved mobile communications, essential to modern day commerce and recreation.

**SAFETY BENEFITS OF IMPROVED WIRELESS SERVICE**

Mobile phone use has become an extremely important system for public safety. Along roads and highways without public call boxes, mobile phones are often the only means for emergency roadside communication. Motorists with disabled vehicles (or worse) can use their phone to call in and request appropriate assistance. With good cellular coverage along important roadways, emergency response is just a phone call away. Furthermore, as a back up system to traditional landline phone service, mobile phones have proven to be extremely important during natural disasters and other catastrophes.

AT&T takes responsibility for back-up service very seriously. As such, AT&T will incur increased expense to install a standby diesel generator at this facility to insure quality communication for the surrounding community regardless of any disaster or catastrophe.

**CONVENIENCE BENEFITS OF IMPROVED WIRELESS SERVICE**

Modern day life has become increasingly dependent on instant communications. Whether it is a parent calling their child, spouse calling a spouse, or general contractor ordering materials to the jobsite, wireless phone service is no longer just a convenience. It has become a way of life and a way of business.

## **COMPLIANCE WITH COUNTY DEVELOPMENT STANDARDS**

This project has been carefully designed to comply with applicable standards for Washoe County, and to fix a Significant Gap in Coverage pursuant to Section 110.324.55. County code states that Significant Gap *shall include* a “white area” where no cellular service from any carrier is available. It does not state that Significant Gap is *only* a “white area” where no cellular service from any carrier is available.

Federal law holds that limiting coverage to just one carrier to the exclusion of other carriers (because coverage then exists) constitutes an effective Denial of Service. While AT&T can currently generate some signal in the area, capacity and coverage will be significantly improved with the additions of the site. Through the inclusion of coverage maps with our application, AT&T can demonstrate a clear Significant Gap in Coverage that is not a “white area”.

AT&T Wireless is proposing a new 85’ monopine design (below the allowable height of 87.5’, as determined by Trevor Lloyd and Roger Pelham via e-mail on 5/2/2019, which is attached in this application) and shelter area behind an architecturally matching 8’ fence that mimics the Family Center exterior materials and color.

## **COMPLIANCE WITH FCC STANDARDS**

This project will not interfere with any TV, radio, telephone, satellite, or any other signals. Any interference would be against the Federal Law and would be a violation AT&T Wireless’ FCC License. In addition, this project will conform to all FCC standards.

## **TECHNOLOGY AND CONSUMER SERVICES THE CARRIER WILL PROVIDE ITS CUSTOMERS**

AT&T offers its customers multiple services such as, voice calls, text messaging, mobile email, picture/video messaging, mobile web, navigation, broadband access. Wireless service enhances public safety and emergency communications in the community. In rural areas such as the subject location, cellular phone service can cover much larger geographic areas than traditional landline phone service.

## **LIGHTING**

Unless tower lighting is required by the FAA the only lighting on the facility will be a shielded motion sensor light by the door on the equipment shelter for servicing the equipment.

## **NOISE**

A stand-by emergency generator is proposed within the four walls of the premises, and is used in emergency situations when grid power is unavailable. Weekly testing for 15-30 minutes occurs during regular business hours.

## **HAZARDOUS MATERIAL**

A Hazardous Material Business Plan will also be submitted upon project completion, and stored on site after construction

## **ENVIRONMENTAL SETTING**

AT&T Wireless is proposing a new monopine and solid, wood fence premises surrounding the equipment shelter that blends with the existing architectural surroundings.



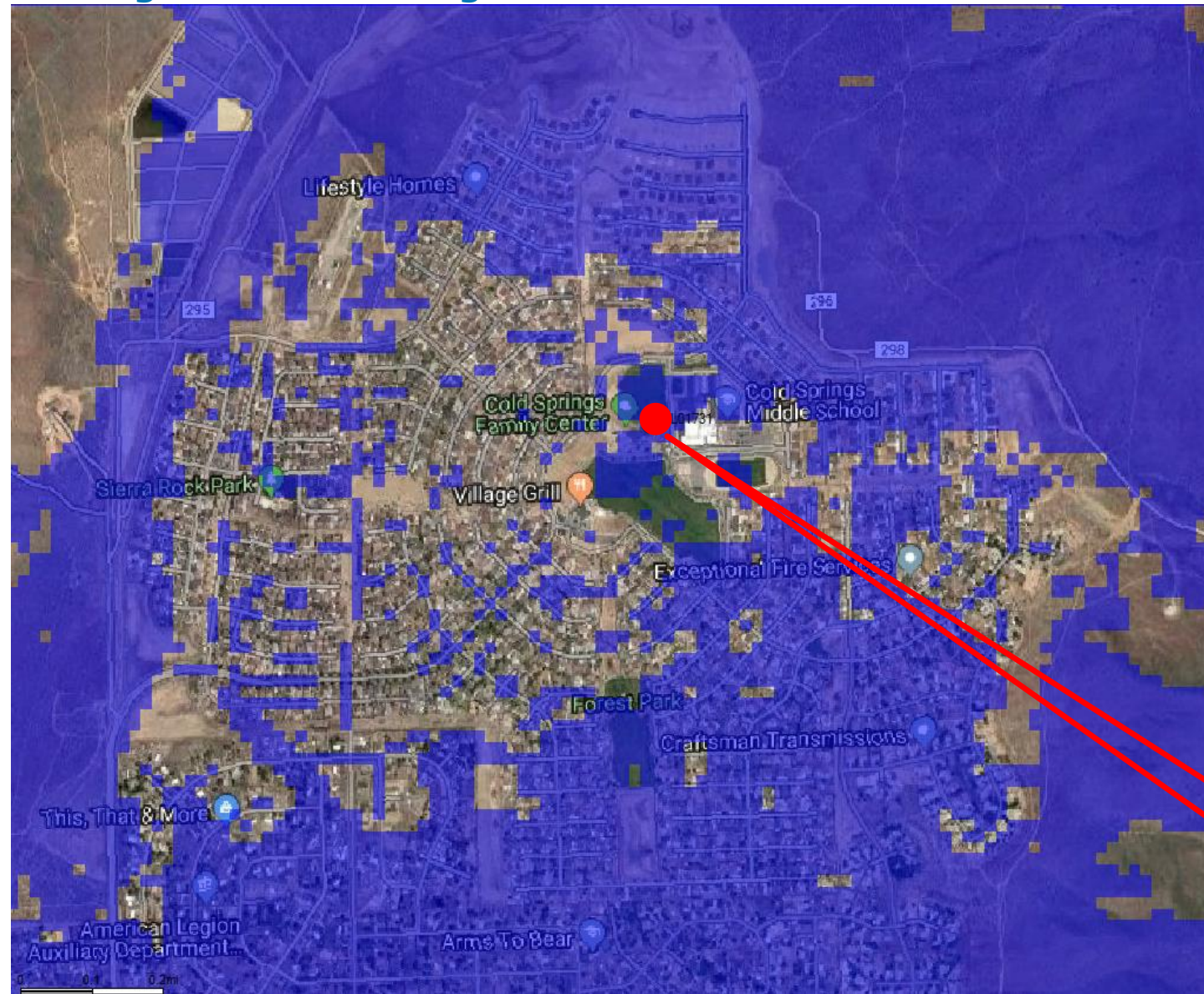
## **CONSTRUCTION SCHEDULE**

The construction of the facility will be in compliance with all local rules and regulations. The typical duration is two months. The crew size will range from two to ten individuals.

# CVL01731 Zoning Propagation Map

October 15, 2019

# Existing LTE 700 Coverage



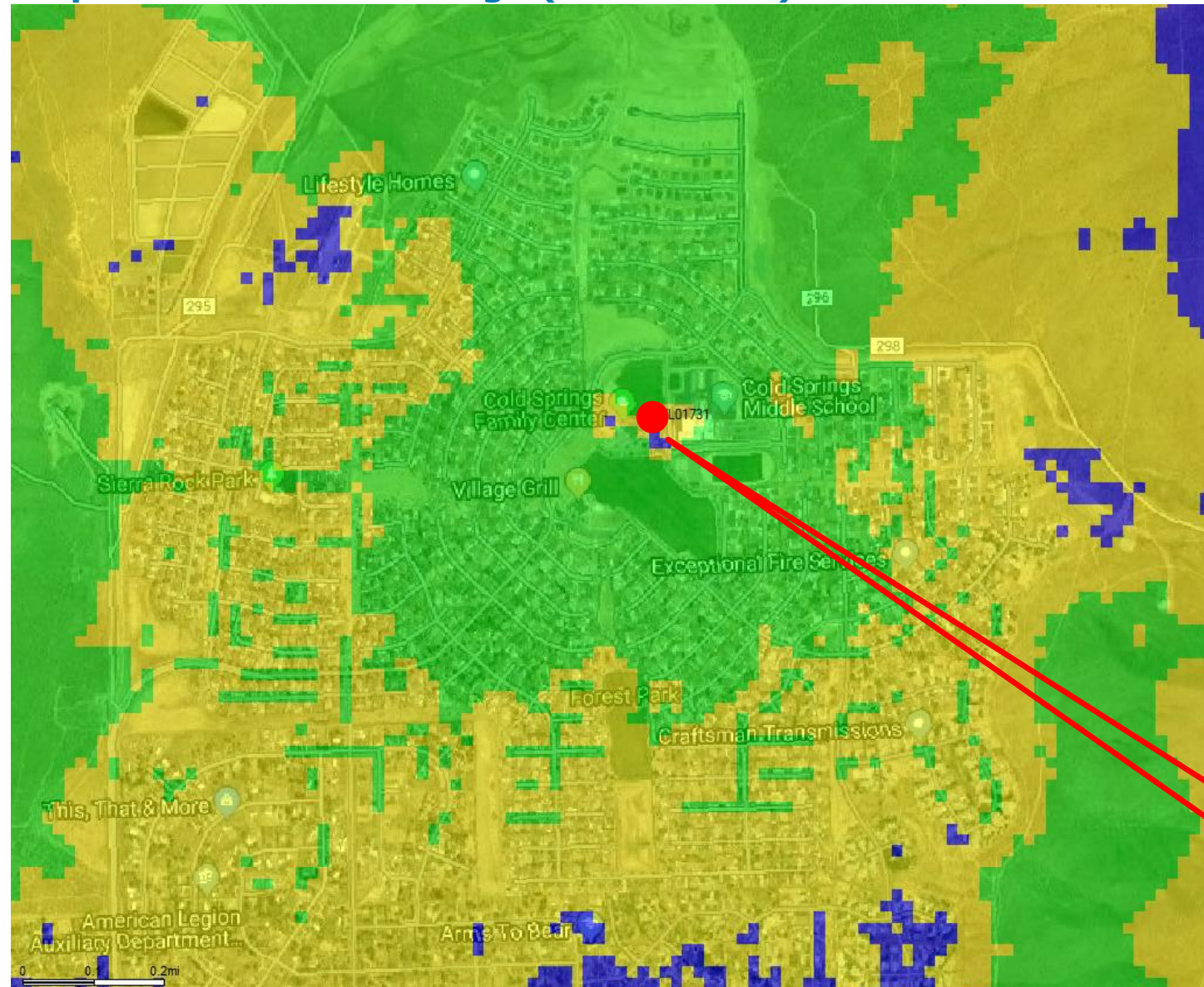
### Legend

- Reliable Service Indoors/Outdoors
- Reliable Coverage in Transit
- Reliable Coverage Outdoors Only
- Existing site
- Proposed site



**Cold Springs**

# Proposed LTE 700 Coverage (RC = 75.75')



## Legend

- Reliable Service Indoors/Outdoors
- Reliable Coverage in Transit  
Indoor Coverage Less Reliable
- Reliable Coverage Outdoors  
Only  
Indoor Coverage Less Reliable
- Existing site
- Proposed site



Cold Springs

*Existing*



*Proposed*



Proposed AT&T  
Installation

*view from Village Parkway looking southeast at site*

*Existing*



*Proposed*



*view from Village Parkway looking southwest at site*

*Existing*



*Proposed*



*view from Village Center Drive looking northeast at site*

*Existing*

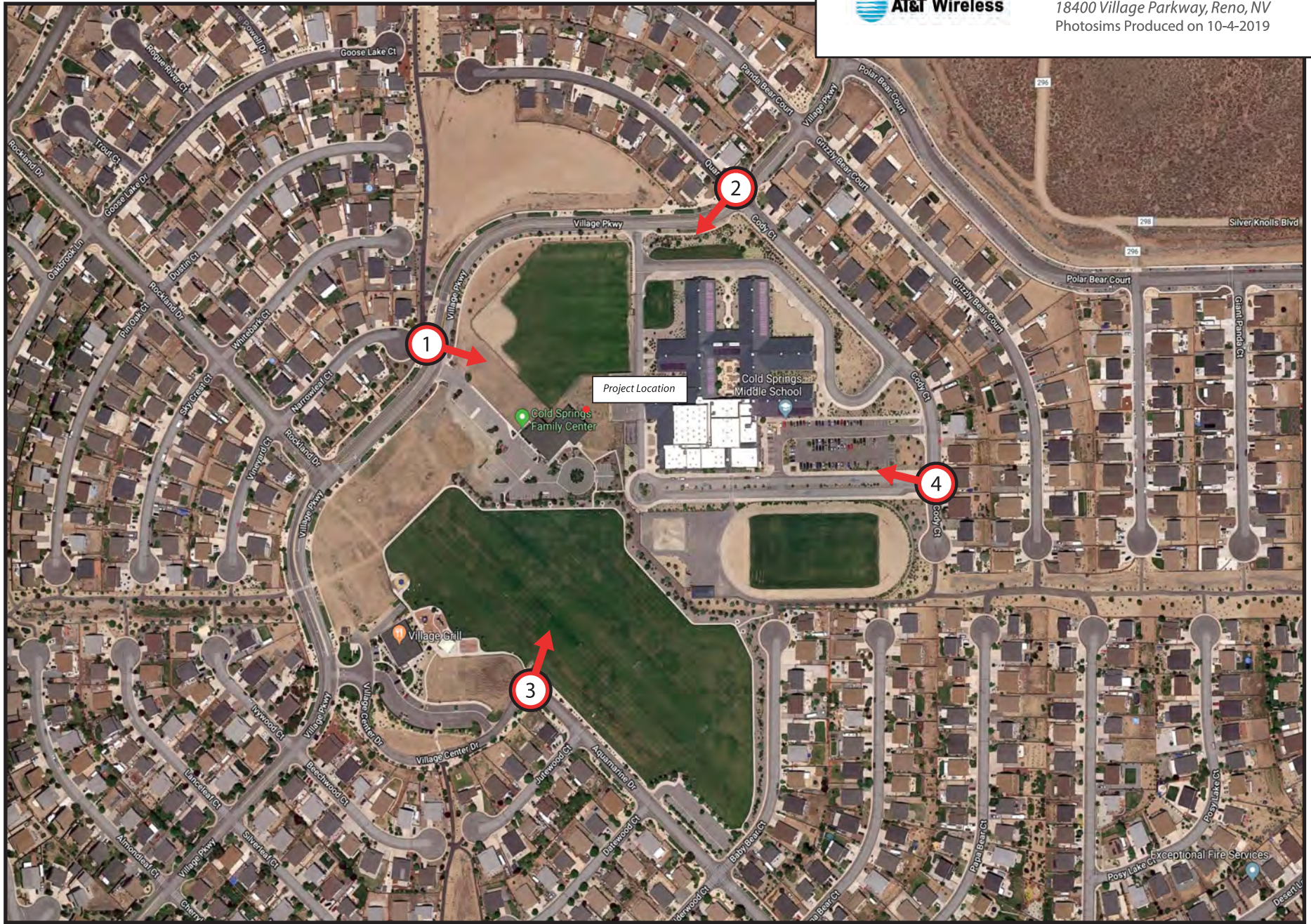


*Proposed*



*view from Cody Court looking west at site*







# at&t

## SITE NUMBER: CVL01731 SITE NAME: COLD SPRINGS MIDDLE

18400 VILLAGE PARKWAY  
RENO, NV 89508  
JURISDICTION: WASHOE COUNTY

### SITE TYPE: MONOPINE

AT&T Site ID:  
**CVL01731**  
COLD SPRINGS  
MIDDLE

Vendor:  
  
**WIRELESS GROUP LLC**  
Connecting a Wireless World  
605 Coolidge Dr. Suite 100  
Folsom, CA. 95630

PREPARED FOR  
  
**at&t**  
5001 Executive Parkway  
San Ramon, California 94583

Architect:  
  
**Borges**  
borgesarch.com  
1478 STONE POINT DRIVE, SUITE 350  
ROSEVILLE CA 95661  
916 782 7200 TEL  
916 773 3037 FAX

AT&T SITE NO: CVL01731  
PROJECT NO: T-18509-32  
DRAWN BY: A.P.E.  
CHECKED BY: D.A.G.

REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

Licenser:  
  
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.

Issued For:  
**09/10/19**  
100% ZD Submittal

SHEET TITLE:  
TITLE SHEET

SHEET NUMBER:  
**T-1**

PROJECT DESCRIPTION	PROJECT INFORMATION	PROJECT TEAM	SHEET INDEX	REV																											
<p>CONSTRUCTION OF AN UNMANNED TELECOMMUNICATIONS FACILITY.</p> <ol style="list-style-type: none"> <li>INSTALL 85' HIGH MONOPINE</li> <li>INSTALL POWER / TELCO / FIBER TO SITE LOCATION</li> <li>INSTALL 8' HIGH WOOD FRAMED WALL w/ T-111 SIDING</li> <li>INSTALL (2) PURCELL CABINET (STACKED)</li> <li>INSTALL (1) POWER CABINET &amp; (1) BATTERY CABINET</li> <li>INSTALL 200A METER IN EMPTY METER SOCKET OF (E) TRANSFORMER WITHIN CMU ENCLOSURE SOUTH OF (E) BUILDING</li> <li>INSTALL H-FRAME WITH CIENA &amp; TELCO CAN, 42 CIRCUIT LOAD CENTER WITH MANUAL &amp; AUTOMATIC TRANSFER SWITCH, SITE DISCONNECT, &amp; SITE TECH LIGHT WITH TIMER SHUT-OFF</li> <li>INSTALL (3) ANTENNAS PER SECTOR, FOR A TOTAL OF (9)</li> <li>INSTALL (6) RRU PER SECTOR, FOR A TOTAL OF (18)</li> <li>INSTALL (3) SURGE SUPPRESSORS AT ANTENNA LOCATION</li> <li>INSTALL (2) SURGE SUPPRESSORS ON H-FRAME AT EQUIPMENT LOCATION</li> <li>INSTALL (3) FIBER TRUNK, (6) DC CABLES INSTALLED INSIDE (P) MONOPINE INNERDUCT</li> <li>INSTALL 30kw DIESEL EMERGENCY BACKUP GENERATOR w/ 190 GAL. TANK ON (P) CONCRETE SLAB</li> <li>INSTALL NEW GPS UNIT ON (P) H-FRAME</li> </ol> <p>*NO GRADING REQUIRED</p> <p>*** THESE DRAWINGS HAVE BEEN PRODUCED USING RFDS VERSION 1.00.00, DATED 08/12/19 ***</p>	<p><b>Property Information:</b> Site Name: Cold Springs Middle Site Number: CVL01731 Search Ring: CVL01731_SR FA#: 14785522 Site Address: 18400 Village Parkway Reno, NV 89508 A.P.N. Number: 556-390-05 Current Use: ---- Proposed Use: TELECOMMUNICATIONS FACILITY Jurisdiction: WASHOE COUNTY Latitude: N 39°41' 33.01" Longitude: W 119°57' 50.92" Ground Elevation: 5101.5' AMSL</p> <p><b>Property Owner:</b> WVC COMMERCIAL LLC 4790 CAUGHLIN PKWY #519 RENO, NV 89519 ROBERT LISSNER rlissner@gmail.com</p> <p><b>Power Agency:</b> NV ENERGY 6100 NEIL ROAD RENO, NV 89511 ph: (775) 834-4444</p> <p><b>Telephone Agency:</b> AT&amp;T CALIFORNIA 525 MARKET STREET SAN FRANCISCO, CA 94105 ph: (800) 310-2355</p>	<p><b>Applicant / Lessee:</b> AT&amp;T MOBILITY 5001 EXECUTIVE PARKWAY, 4W550H SAN RAMON, CA 94583 contact: BRADLEY HEAD email: bh497a@att.com office ph: (925) 963-7370</p> <p><b>Architect:</b> BORGES ARCHITECTURAL GROUP, INC. 1478 STONE POINT DRIVE, SUITE 350 ROSEVILLE, CA 95661 contact: ANTHONY P. ERLER email 1: anthony@borgesarch.com email 2: telecomgroup@borgesarch.com ph: (916) 782-7200</p> <p><b>Structural Engineer:</b> PZSE, INC. 1478 STONE POINT DR. SUITE 190 ROSEVILLE, CA 95661 contact: PAUL ZACHER SE, MLSE email: paul@pzse.com ph: (916) 961-3960</p> <p><b>RF Engineer:</b> NP&amp;E-RAN DESIGN &amp; RF ENGINEERING contact: ASAD SHAHBAZ email: ms455v@att.com</p> <p><b>Civil Vendor:</b> VINULUMS 1200 DEL PASO ROAD SACRAMENTO, CA 95834 contact: FLOYD GREEN email: fgreen@vinculums.com ph: (480) 528-1927</p> <p><b>PROPERTY DEVELOPMENT:</b> EPIC WIRELESS GROUP, LLC 605 COOLIDGE DR. SUITE 100 FOLSOM, CA. 95630 contact: BUZZ LYNN email: buzz.lynn@epicwireless.net cell: (916) 730-4420</p> <p><b>Construction Manager:</b> EPIC WIRELESS GROUP, LLC 605 COOLIDGE DR. SUITE 100 FOLSOM, CA 95630 contact: PETE MANAS email: pete.manas@epicwireless.net office ph:(530) 383-5957</p>	<p>T-1 TITLE SHEET</p> <p>GN-1 GENERAL NOTES, ABBREVIATIONS, &amp; NOTES</p> <p>C-1 SURVEY</p> <p>C-2 SURVEY</p> <p>A-1.1 OVERALL SITE PLAN</p> <p>A-1.2 ENLARGED SITE PLAN</p> <p>A-2 ENLARGED EQUIPMENT PLAN</p> <p>A-3.1 ANTENNA PLANS &amp; DETAILS</p> <p>A-3.2 DETAILS</p> <p>A-4.1 ELEVATIONS</p> <p>A-4.2 ELEVATIONS</p>	<p>B</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p>																											
<b>CODE COMPLIANCE</b>	<b>VICINITY MAP</b>	<b>DIRECTIONS FROM AT&amp;T</b>																													
<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.</p> <ol style="list-style-type: none"> <li>2018 INTERNATIONAL BUILDING CODE W/ AMENDMENTS</li> <li>2018 UNIFORM MECHANICAL CODE W/ AMENDMENTS</li> <li>2018 UNIFORM PLUMBING CODE W/ AMENDMENTS</li> <li>2017 NATIONAL ELECTRICAL CODE</li> <li>2018 INTERNATIONAL ENERGY CONSERVATION CODE</li> <li>2018 INTERNATIONAL FIRE CODE W/ AMENDMENTS</li> <li>ANSI/EIA-TIA-222-H</li> <li>2018 NFPA 101, LIFE SAFETY CODE</li> <li>2016 NFPA 72, NATIONAL FIRE ALARM CODE</li> <li>2016 NFPA 13, FIRE SPRINKLER CODE</li> <li>LOCAL BUILDING CODE</li> <li>CITY/ COUNTY ORDINANCES</li> <li>ANY APPLICABLE LOCAL AND STATE LAWS AND REGULATIONS</li> </ol>		<p>DIRECTIONS FROM AT&amp;T's OFFICE AT 2600 CAMINO RAMON, SAN RAMON, CA</p> <ol style="list-style-type: none"> <li>TURN LEFT TOWARD SUNSET DR</li> <li>CONTINUE ONTO SUNSET DR</li> <li>SLIGHT RIGHT TOWARD BOLLINGER CANYON RD</li> <li>TURN RIGHT ONTO BOLLINGER CANYON RD</li> <li>MERGE ONTO I-880 N VIA THE RAMP TO SACRAMENTO</li> <li>MERGE ONTO I-880 N</li> <li>KEEP LEFT TO STAY ON I-880 N</li> <li>KEEP LEFT AT THE FORK TO STAY ON I-880 N</li> <li>KEEP LEFT AT THE FORK TO CONTINUE ON I-880</li> <li>KEEP RIGHT AT THE FORK TO STAY ON I-880</li> <li>TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO</li> <li>MERGE ONTO I-80 E</li> <li>KEEP LEFT AT THE FORK TO STAY ON I-80 E</li> <li>TAKE EXIT 1A FOR I-80 TOWARD RENO</li> <li>CONTINUE ONTO I-80 E</li> <li>KEEP LEFT AT THE FORK TO STAY ON I-80 E</li> <li>KEEP LEFT TO STAY ON I-80 E</li> <li>TAKE EXIT 15 TO MERGE ONTO I-580 N/US-395 N TOWARD SUSANVILLE</li> <li>CONTINUE ONTO US-395 N</li> <li>TAKE EXIT 83 FOR VILLAGE PARKWAY TOWARD BORDERTOWN</li> <li>TURN RIGHT ONTO VILLAGE PKWY</li> </ol>																													
<b>OCCUPANCY AND CONSTRUCTION TYPE</b>	<b>SPECIAL INSPECTIONS</b>	<b>APPROVALS</b>	<b>GENERAL CONTRACTOR NOTES</b>																												
<p>OCCUPANCY : U (UNMANNED)</p> <p>CONSTRUCTION TYPE: V-B</p> <p><b>DISABLED ACCESS REQUIREMENTS</b> FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, ACCESSIBILITY ACCESS IS NOT REQUIRED, IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, CODE OF REGULATIONS, TITLE 24, PART 2, VOLUME 1, CHAPTER 11B, DIVISION 2, SECTION 11B-203.5</p>		<table border="1"> <thead> <tr> <th>APPROVED BY:</th> <th>INITIALS</th> <th>DATE:</th> </tr> </thead> <tbody> <tr> <td>AT&amp;T:</td> <td></td> <td></td> </tr> <tr> <td>VENDOR:</td> <td></td> <td></td> </tr> <tr> <td>R.F.:</td> <td></td> <td></td> </tr> <tr> <td>LEASING / LANDLORD:</td> <td></td> <td></td> </tr> <tr> <td>ZONING:</td> <td></td> <td></td> </tr> <tr> <td>CONSTRUCTION:</td> <td></td> <td></td> </tr> <tr> <td>POWER / TELCO:</td> <td></td> <td></td> </tr> <tr> <td>PG&amp;E:</td> <td></td> <td></td> </tr> </tbody> </table>	APPROVED BY:	INITIALS	DATE:	AT&T:			VENDOR:			R.F.:			LEASING / LANDLORD:			ZONING:			CONSTRUCTION:			POWER / TELCO:			PG&E:			<p>DO NOT SCALE DRAWINGS</p> <p>THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.</p> <p><b>800-227-2600</b> Call 2 Full Working Days In Advance</p>	
APPROVED BY:	INITIALS	DATE:																													
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PG&E:																															

**GENERAL CONSTRUCTION NOTES:**

- PLANS ARE INTENDED TO BE DIAGRAMATIC 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.
- THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE. FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
- 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 SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS 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.
- 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.
- DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
- 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.
- 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 PERFORMED 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.
- 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.
- ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED 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 PLOTTED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
- 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 (OSHA) REQUIREMENTS.
- INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

**APPLICABLE CODES, REGULATIONS AND STANDARDS:**

SUBCONTRACTOR'S 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.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRICAL EQUIPMENT.
- IEEE C62.41, 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 TELCORDIA GR-63 NETWORK  
EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION  
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING  
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS  
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS

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 A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

**ABBREVIATIONS**

A.B.	ANCHOR BOLT	IN. (")	INCH(ES)
ABV.	ABOVE	INT.	INTERIOR
ACCA	ANTENNA CABLE COVER ASSEMBLY	L.B.#	POUND(S)
ADD'L	ADDITIONAL	L.B.	LAG BOLTS
A.F.F.	ABOVE FINISHED FLOOR	L.F.	LINEAR FEET (FOOT)
A.F.G.	ABOVE FINISHED GRADE	L.	LONGITUDINAL
ALUM.	ALUMINUM	MAS.	MASONRY
ALT.	ALTERNATE	MAX.	MAXIMUM
ANT.	ANTENNA	M.B.	MACHINE BOLT
APPRX.	APPROXIMATE(LY)	MECH.	MECHANICAL
ARCH.	ARCHITECT(URAL)	MFR.	MANUFACTURER
AWG.	AMERICAN WIRE GAUGE	MIN.	MINIMUM
BLDG.	BUILDING	MISC.	MISCELLANEOUS
BLK.	BLOCK	MTL.	METAL
BLKG.	BLOCKING	(N)	NEW
BM.	BEAM	NO.(#)	NUMBER
B.N.	BOUNDARY NAILING	N.T.S.	NOT TO SCALE
BTCW.	BARE TINNED COPPER WIRE	O.C.	ON CENTER
B.O.F.	BOTTOM OF FOOTING	OPNG.	OPENING
BU	BACK-UP CABINET	P/C	PRECAST CONCRETE
CAB.	CABINET	PCS	PERSONAL COMMUNICATION SERVICES
CANT.	CANTILEVER(ED)	PLY.	PLYWOOD
C.I.P.	CAST IN PLACE	PPC	POWER PROTECTION CABINET
CLG.	CEILING	PRC	PRIMARY RADIO CABINET
CLR.	CLEAR	P.S.F.	POUNDS PER SQUARE FOOT
COL.	COLUMN	P.S.I.	POUNDS PER SQUARE INCH
CONC.	CONCRETE	P.T.	PRESSURE TREATED
CONN.	CONNECTION(OR)	PWR.	POWER (CABINET)
CONST.	CONSTRUCTION	QTY.	QUANTITY
CONT.	CONTINUOUS	RAD.(R)	RADIUS
d	PENNY (NAILS)	REF.	REFERENCE
DBL.	DOUBLE	REINF.	REINFORCEMENT(ING)
DEPT.	DEPARTMENT	REQ'D/	REQUIRED
D.F.	DOUGLAS FIR	RGS.	RIGID GALVANIZED STEEL
DIA.	DIAMETER	SCH.	SCHEDULE
DIAG.	DIAGONAL	SHT.	SHEET
DIM.	DIMENSION	SIM.	SIMILAR
DWG.	DRAWING(S)	SPEC.	SPECIFICATIONS
DWL.	DOWEL(S)	SQ.	SQUARE
EA.	EACH	S.S.	STAINLESS STEEL
EL.	ELEVATION	STD.	STANDARD
ELEC.	ELECTRICAL	STL.	STEEL
ELEV.	ELEVATOR	STRUC.	STRUCTURAL
EMT.	ELECTRICAL METALLIC TUBING	TEMP.	TEMPORARY
E.N.	EDGE NAIL	THK.	THICKNESS
ENG.	ENGINEER	T.N.	TOE NAIL
EQ.	EQUAL	T.O.A.	TOP OF ANTENNA
EXP.	EXPANSION	T.O.C.	TOP OF CURB
EXST.(E)	EXISTING	T.O.F.	TOP OF FOUNDATION
EXT.	EXTERIOR	T.O.P.	TOP OF PLATE (PARAPET)
FAB.	FABRICATION(OR)	T.O.S.	TOP OF STEEL
F.F.	FINISH FLOOR	T.O.W.	TOP OF WALL
F.G.	FINISH GRADE	TYP.	TYPICAL
FIN.	FINISH(ED)	U.G.	UNDER GROUND
FLR.	FLOOR	U.L.	UNDERWRITERS LABORATORY
FDN.	FOUNDATION	U.N.O.	UNLESS NOTED OTHERWISE
F.O.C.	FACE OF CONCRETE	V.I.F.	VERIFY IN FIELD
F.O.M.	FACE OF MASONRY	W	WIDE (WIDTH)
F.O.S.	FACE OF STUD	w/	WITH
F.O.W.	FACE OF WALL	WD.	WOOD
F.S.	FINISH SURFACE	W.P.	WEATHERPROOF
FT. (')	FOOT (FEET)	WT.	WEIGHT
FTG.	FOOTING	CL	CENTERLINE
G.	GROWTH (CABINET)	L	PLATE, PROPERTY LINE
GA.	GAUGE		
GI.	GALVANIZE(D)		
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER		
GLB. (GLU-LAM)	GLUE LAMINATED BEAM		
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
HDR.	HEADER		
HGR.	HANGER		
HT.	HEIGHT		
ICGB.	ISOLATED COPPER GROUND BUS		

**SYMBOLS LEGEND**

	BLDG. SECTION		GROUT OR PLASTER
	WALL SECTION		(E) BRICK
	DETAIL		(E) MASONRY
	ELEVATION		CONCRETE
	DOOR SYMBOL		EARTH
	WINDOW SYMBOL		GRAVEL
	TILT-UP PANEL MARK		PLYWOOD
	PROPERTY LINE		SAND
	CENTERLINE		PLYWOOD
	ELEVATION DATUM		SAND
	GRID/COLUMN LINE		(E) STEEL
	KEYNOTE, DIMENSION ITEM		MATCH LINE
	KEYNOTE, CONSTRUCTION ITEM		GROUND CONDUCTOR
	WALL TYPE MARK		OVERHEAD SERVICE CONDUCTORS
	ROOM NAME		TELEPHONE CONDUIT
	ROOM NUMBER		POWER CONDUIT
			COAXIAL CABLE
			CHAIN LINK FENCE
			WOOD FENCE
			(P) ANTENNA
			(P) RRU
			(P) DC SURGE SUPPRESSION
			(E) ANTENNA TO BE REMOVED
			(E) RRU TO BE REMOVED
			(E) EQUIPMENT

AT&T Site ID:

**CVL01731**  
COLD SPRINGS  
MIDDLE

Vendor:



605 Coolidge Dr, Suite 100  
Folsom, CA. 95630

PREPARED FOR



5001 Executive Parkway  
San Ramon, California 94583

Architect:



borgesarch.com

1478 STONE POINT DRIVE, SUITE 350  
ROSEVILLE CA 95661  
916 782 7200 TEL  
916 773 9237 FAX

AT&T SITE NO: CVL01731

PROJECT NO: T-18509-32

DRAWN BY: A.P.E.

CHECKED BY: D.A.G.

B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL
REV	DATE	DESCRIPTION

Licenser:

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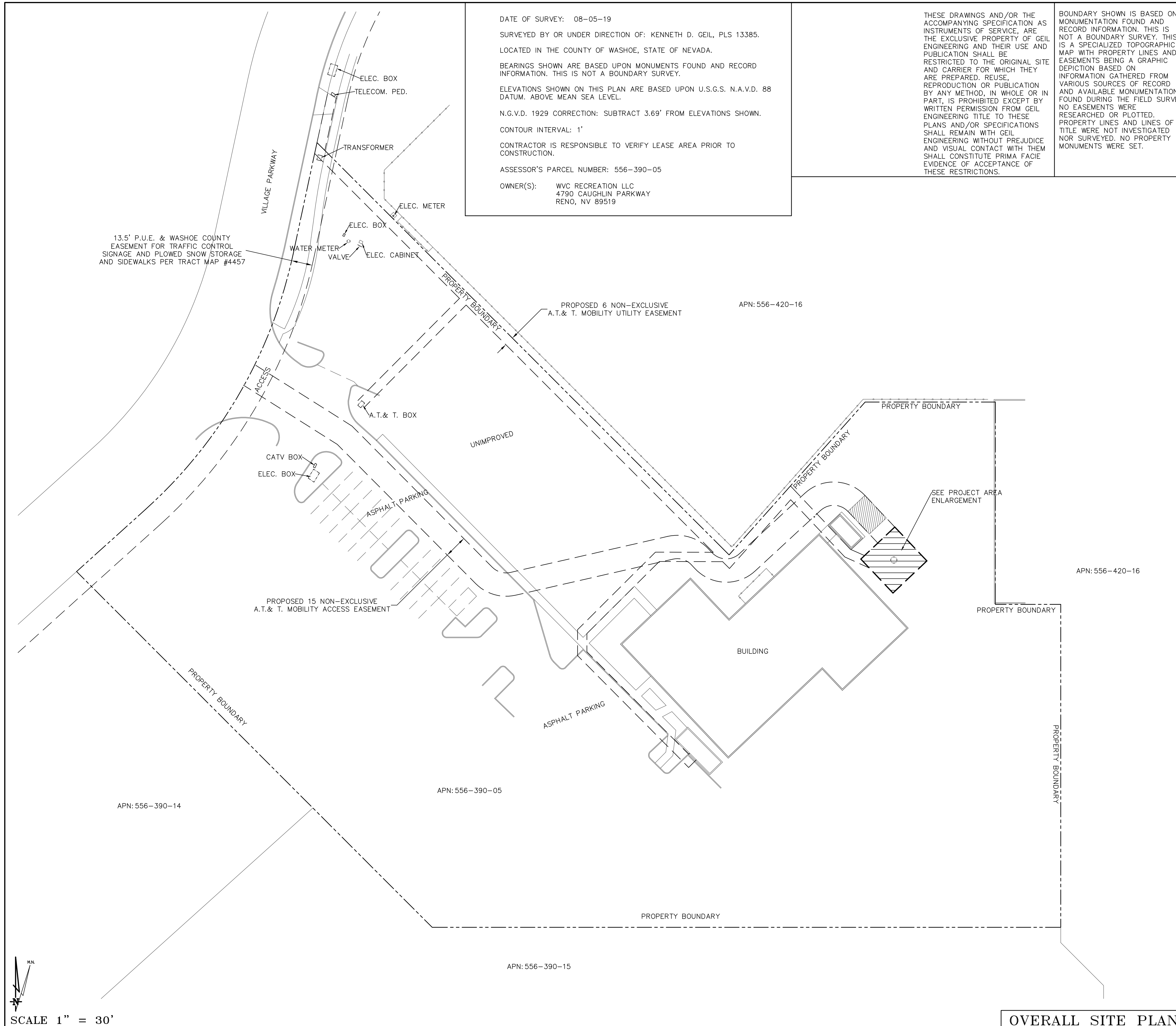
Issued For:

**09/10/19**  
100% ZD Submittal

SHEET TITLE:  
**GENERAL NOTES, ABBREVIATIONS, & NOTES**

SHEET NUMBER:

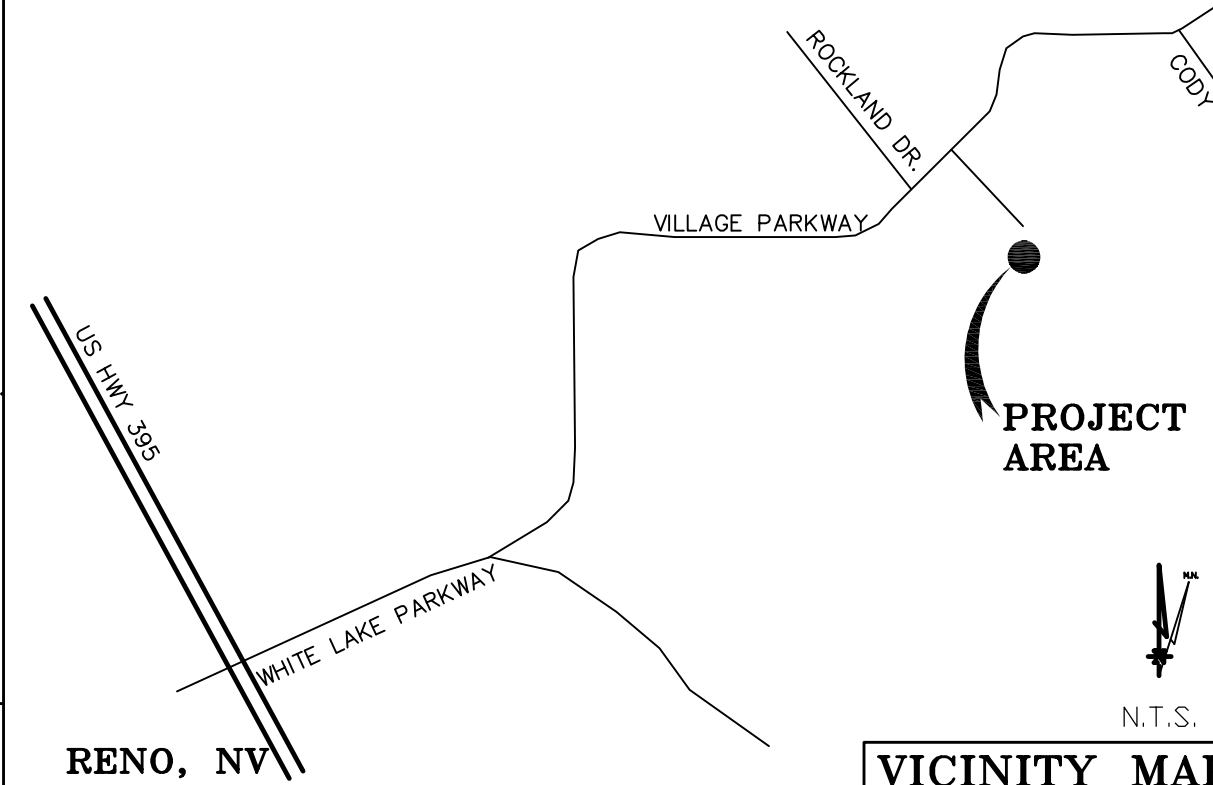
**GN-1**



DATE OF SURVEY: 08-05-19  
 SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, PLS 13385.  
 LOCATED IN THE COUNTY OF WASHOE, STATE OF NEVADA.  
 BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.  
 ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.  
 N.G.V.D. 1929 CORRECTION: SUBTRACT 3.69' FROM ELEVATIONS SHOWN.  
 CONTOUR INTERVAL: 1'  
 CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.  
 ASSESSOR'S PARCEL NUMBER: 556-390-05  
 OWNER(S): WVC RECREATION LLC  
 4790 CAUGHLIN PARKWAY  
 RENO, NV 89519

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BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.



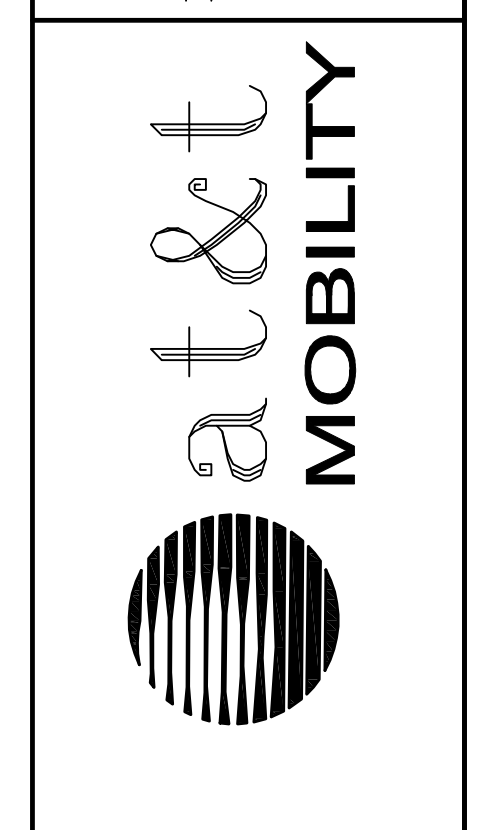
RENO, NV  
 VICINITY MAP  
 Geil Engineering  
 Engineering \* Surveying \* Planning  
 1226 High Street  
 Auburn, California 95603-5015  
 Phone: (530) 885-0426 \* Fax: (530) 823-1309

A.T. & T. Mobility  
 Project No./Name: CVL01731 / COLD SPRINGS MIDDLE  
 Project Site Location: 18400 Village Parkway  
 Reno, NV 89508  
 Washoe County  
 Date of Observation: 08-05-19  
 Equipment/Procedure Used to Obtain Coordinates: Trimble Pathfinder Pro XL post processed with Pathfinder Office software.  
 Type of Antenna Mount: Proposed Monopine Tower  
 Coordinates (Tower)  
 Latitude: N 39° 41' 33.01" (NAD83) N 39° 41' 33.34" (NAD27)  
 Longitude: W 119° 57' 50.92" (NAD83) W 119° 57' 47.20" (NAD27)  
 ELEVATION of Ground at Structure (NAVD88) 5101.5' AMSL  
 CERTIFICATION: I, the undersigned, do hereby certify elevation listed above is based on a field survey done under my supervision and that the accuracy of those elevations meet or exceed 1-A Standards as defined in the FAA ASAC Information Sheet 91:003, and that they are true and accurate to the best of my knowledge and belief.  
 Kenneth D. Geil Nevada PLS 13385

Lease Area Description  
 All that certain lease area being a portion of the Parcel L as is shown on that certain Tract Map filed for record Tract Map No. 4457, Washoe County Records, located in the County of Washoe, State of California, and being a portion of N 1/2 of Section 16, Township 21 N., Range 18 E., M.D.B. & M, and being more particularly described as follows:  
 Commencing at a standard monument in well set at the centerline intersection of Village Parkway and Quarry Court from which a similar monument bears North 44°59'45" East 309.53 feet; thence from said point of commencement South 39°02'03" West 703.21 feet to the True Point of Beginning; thence from said point of beginning South 43°24'09" East 30.00 feet; thence South 46°35'51" West 30.00 feet; thence North 43°24'09" West 30.00 feet; thence North 46°35'51" East 30.00 feet to the point of beginning.  
 Together with a non-exclusive easement for access and utility purposes fifteen feet in width the centerline of which is described as follows: beginning at a point which bears South 46°35'51" West 7.50 feet from the most Northerly corner of the above described lease area and running thence North 43°24'09" West 27.98 feet; thence through a tangent curve to the left having a radius of 20.00 feet through an arc distance of 31.19 feet; thence tangent to last curve South 47°14'34" West 57.15 feet; thence through a tangent curve to the right having a radius of 20.00 feet through an arc distance of 31.42 feet; thence tangent to last curve North 42°45'26" West 3.14 feet; thence through a tangent curve to the left having a radius of 20.00 feet through an arc distance of 20.99 feet; thence tangent to last curve North 77°05'59" West 103.74 feet; thence through a tangent curve to the right having a radius of 20.00 feet through an arc distance of 20.27 feet; thence tangent to last curve North 44°50'20" West 127.02 feet; thence North 57°44'50" West 72.3 feet more or less to the public right of way more commonly known as Village Parkway.  
 Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at the most Westerly corner of the above described lease area and running thence North 65°56'12" West 9.35 feet; thence North 43°24'09" West 53.32 feet; thence South 41°41'16" West 59.25 feet; thence North 45°00'00" West 4.29 feet to a point hereafter defined as Point "A"; thence continuing North 45°00'00" West 234.98 feet to a point hereafter defined as Point "B"; thence continuing North 45°00'00" West 133.05 feet; thence North 12°14'12" East 37.5 feet more or less to the existing telephone facilities.  
 Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at Point "A" as previously defined and running thence North 89°50'51" West 43.20 feet; thence South 45°07'05" West 68.14 feet; thence South 00°08'18" West 14.15 feet; thence South 44°49'03" East 97.09 feet; thence North 45°10'57" East 4 feet more or less to the existing electrical facilities.  
 Also together with a non-exclusive easement for utility purposes six feet in width the centerline of which is described as follows: beginning at Point "B" as previously defined and running thence South 44°52'31" West 95.6 feet more or less to the existing telephone facilities.

DEPT		APPROVED		DATE	
A&C	RE	RF	INT	EE/IN	OPS

Surveyor  
**GEIL ENGINEERING**  
 ENGINEERING \* SURVEYING \* PLANNING  
 1226 HIGH STREET  
 AUBURN, CALIFORNIA 95603  
 Phone: (530) 885-0426  
 Fax: (530) 823-1309



CVL01731  
 COLD SPRINGS MIDDLE  
 18400 VILLAGE PARKWAY  
 RENO, CA 89508  
 PLOT PLAN AND  
 SITE TOPOGRAPHY

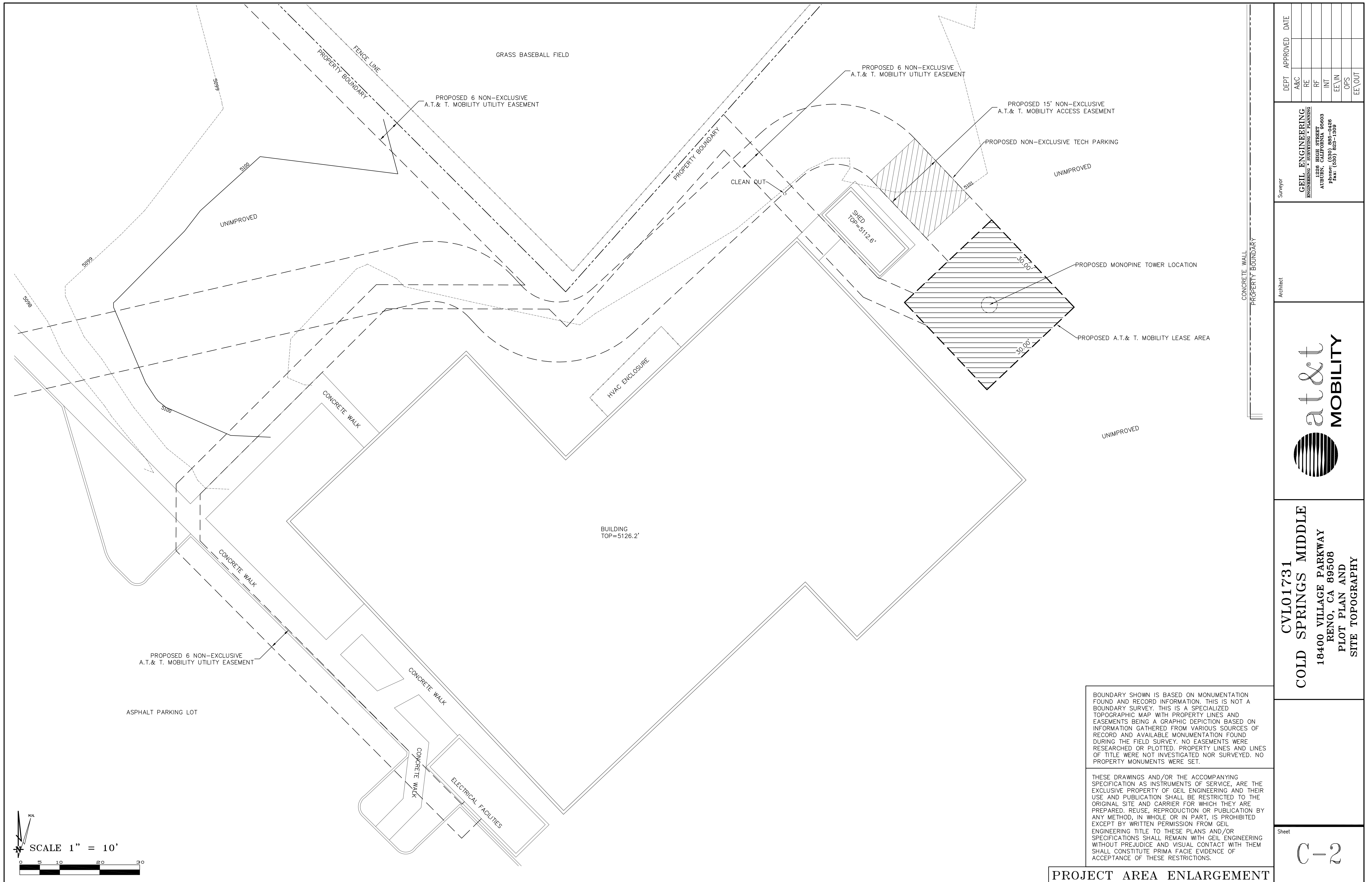
REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION

Sheet  
**C-1**

SCALE 1" = 30'

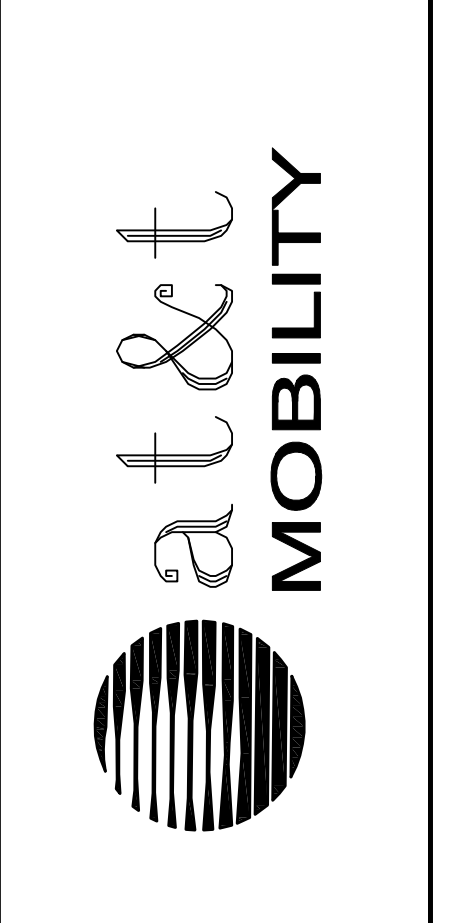
OVERALL SITE PLAN



DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor  
**GEIL ENGINEERING**  
 ENGINEERING • SURVEYING • PLANNING  
 1226 HIGH STREET  
 AUBURN, CALIFORNIA 95603  
 Phone: (530) 885-1826  
 Fax: (530) 885-1808

Architect



**CVL01731**  
**COLD SPRINGS MIDDLE**  
 18400 VILLAGE PARKWAY  
 RENO, CA 89508  
 PLOT PLAN AND  
 SITE TOPOGRAPHY

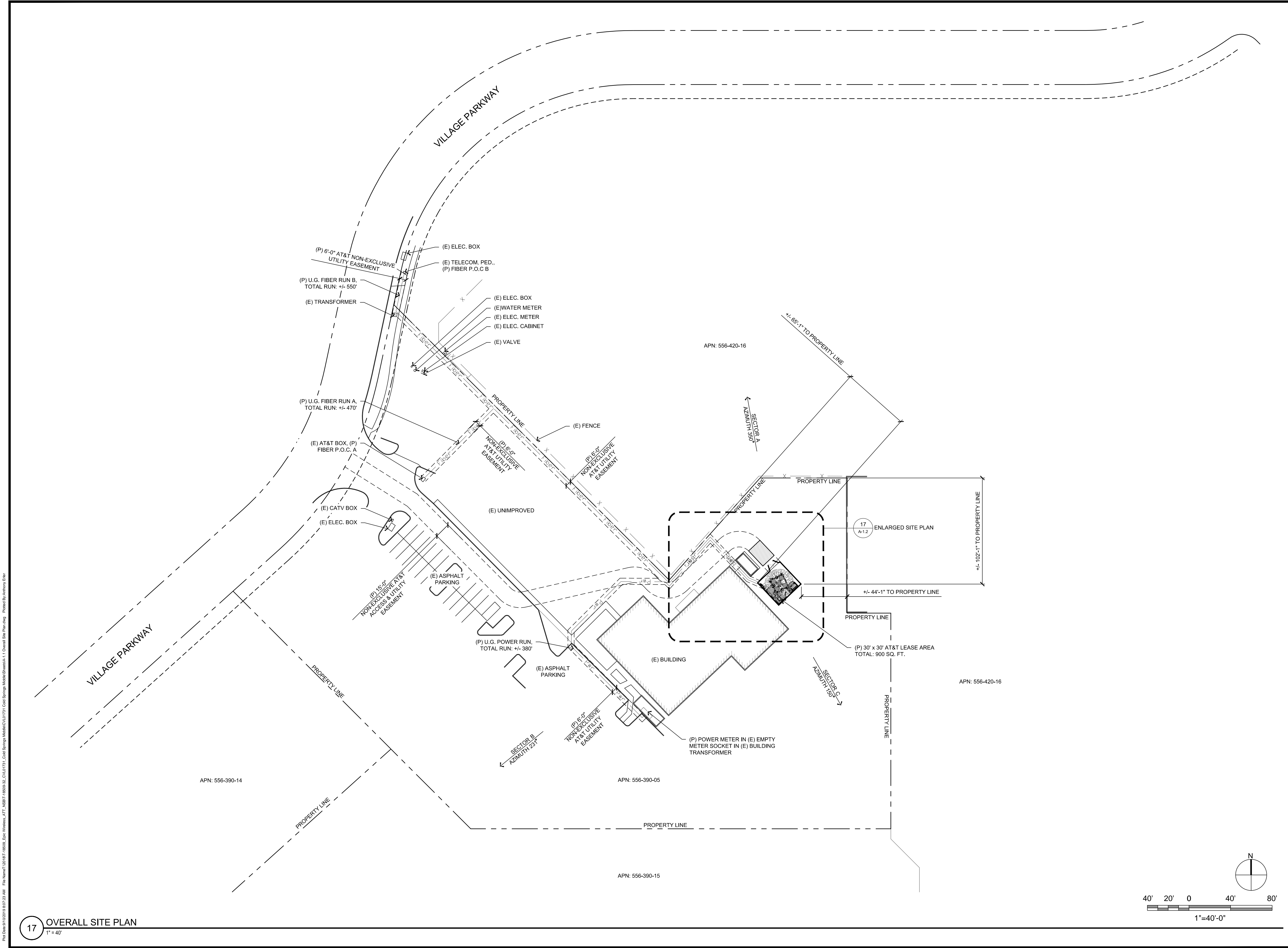
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**PROJECT AREA ENLARGEMENT**

Sheet


**C-2**



AT&T Site ID:  
**CVL01731**  
 COLD SPRINGS  
 MIDDLE

Vendor:  
  
**EPIC**  
 WIRELESS GROUP LLC  
*Connecting a Wireless World*  
 605 Coolidge Dr. Suite 100  
 Folsom, CA. 95630

PREPARED FOR  
  
 5001 Executive Parkway  
 San Ramon, California 94583

Architect:  
  
**Borges**  
 borgesarch.com  
 1478 STONE POINT DRIVE, SUITE 350  
 ROSEVILLE CA 95661  
 916 782 7200 TEL  
 916 773 3037 FAX

AT&T SITE NO: CVL01731  
 PROJECT NO: T-18509-32  
 DRAWN BY: A.P.E.  
 CHECKED BY: D.A.G.

REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

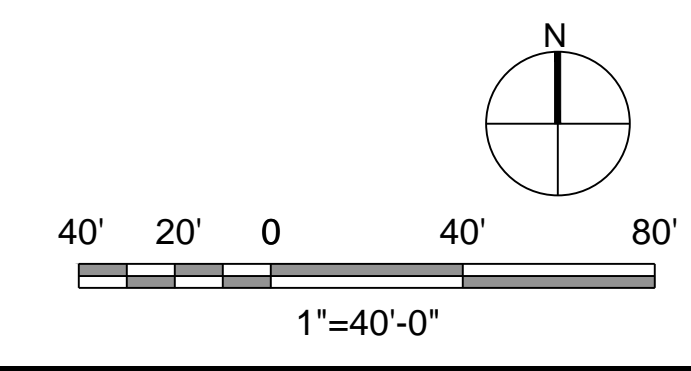
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**09/10/19**  
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SHEET TITLE:  
**OVERALL SITE PLAN**

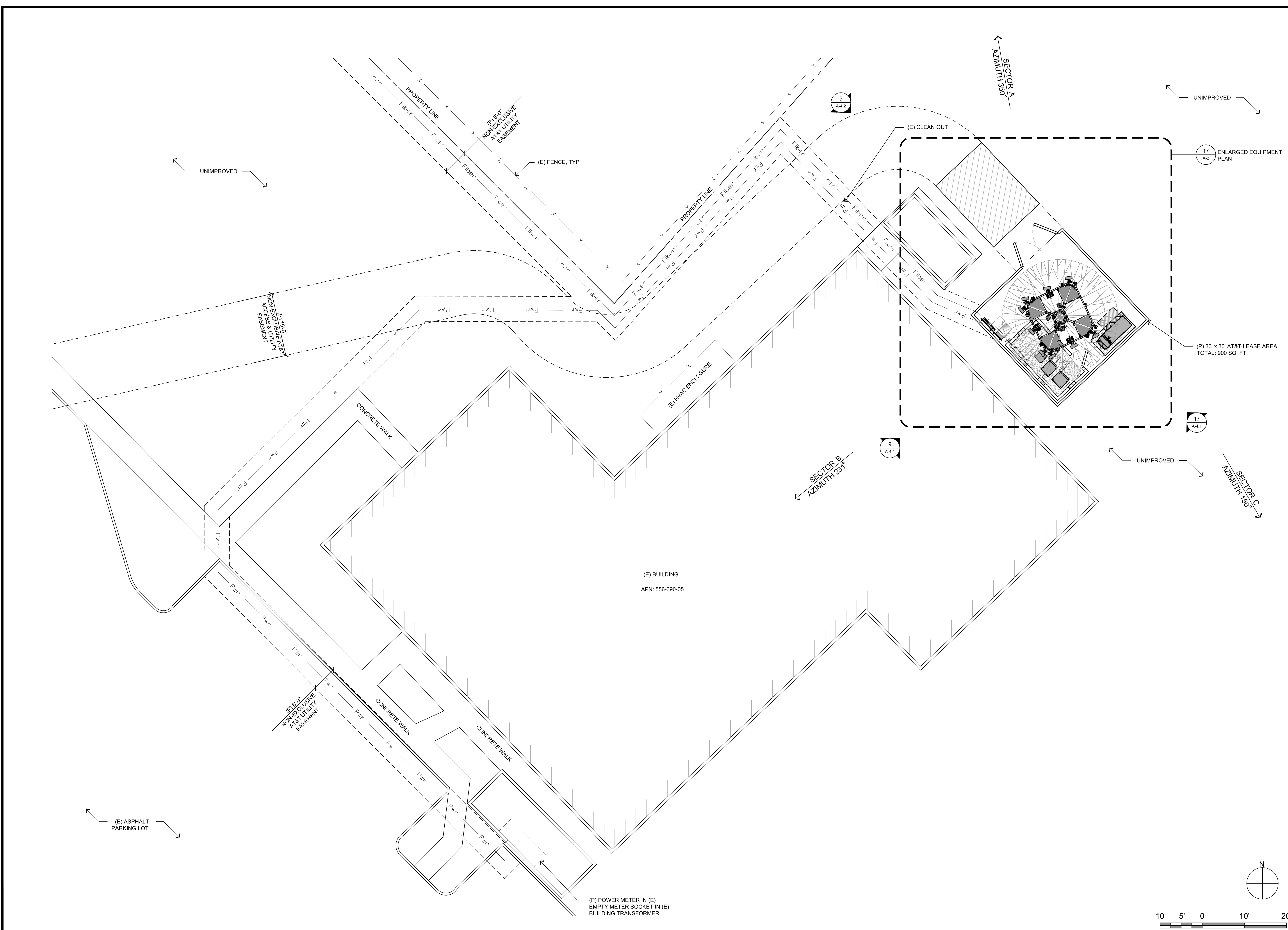
SHEET NUMBER:  
**A-1.1**

**17** OVERALL SITE PLAN  
 1" = 40'



Plot Date: 09/10/2019 9:07:23 AM File Name: 20190910\_18509\_32\_CVL01731\_ColdSpringsMiddleCVL01731.dwg Plotter: HP DesignJet T1100e Plot Size: 36x48 Plot Style: 100% ZD Submittal

File Name: 20181111\_1809\_Epic Wireless\_ATT\_NSBT\_1809032\_CV101731\_Cold Springs Middle CV101731.dwg  
 Plot Date: 01/20/2019 9:07:28 AM  
 Plot Scale: 1"=10'-0"  
 Plotter: AutoCAD  
 Plot Style: Default.ctb  
 Plot Range: Window  
 Plot Size: 11x17  
 Plot Orientation: Landscape  
 Plotter Driver: AutoCAD  
 Plotter Name: AutoCAD  
 Plotter Version: 12.0



17 ENLARGED SITE PLAN  
1"=10'-0"

AT&T Site ID:  
**CVL01731**  
COLD SPRINGS  
MIDDLE

Vendor:  
**EPIC WIRELESS GROUP LLC**  
Connecting a Wireless World  
605 Coolidge Dr. Suite 100  
Folsom, CA. 95630

PREPARED FOR  
**at&t**  
5001 Executive Parkway  
San Ramon, California 94583

Architect:  
**BORGES ARCHITECTURAL GROUP**  
borgesarch.com  
1478 STONE POINT DRIVE, SUITE 350  
ROSEVILLE CA 95661  
916 782 7200 TEL  
916 773 3037 FAX

AT&T SITE NO: CVL01731  
PROJECT NO: T-18509-32  
DRAWN BY: A.P.E.  
CHECKED BY: D.A.G.

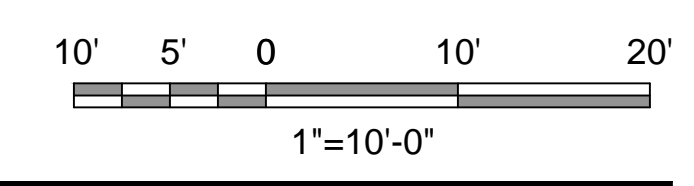
REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

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100% ZD Submittal

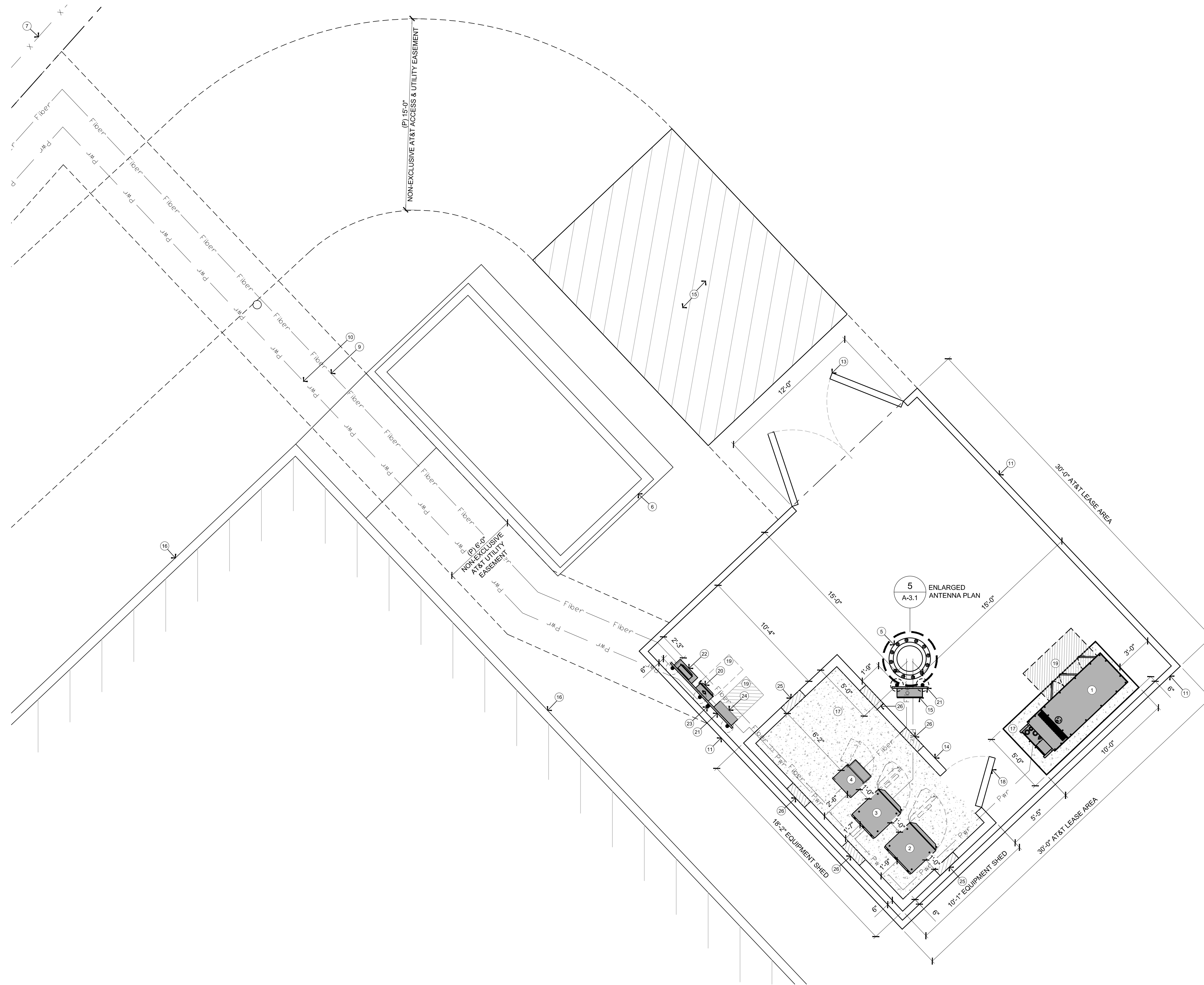
SHEET TITLE:  
**ENLARGED SITE PLAN**

SHEET NUMBER:  
**A-1.2**



KEYNOTES

- 1 (P) 30KW DIESEL GENERATOR W/ 190 GAL TANK
- 2 (P) BATTERY CABINET
- 3 (P) POWER CABINET
- 4 (P) (2) PURCELL CABINET (STACKED)
- 5 (P) 80' HIGH MONOPINE
- 6 (E) SHED
- 7 (E) FENCE TO REMAIN, TYP.
- 8 (P) 15' AT&T NON-EXCLUSIVE ACCESS AND U.G. UTILITY EASEMENT
- 9 (P) FIBER RUN, TOTAL = +/- 550' (A) OR 470' (B)
- 10 (P) POWER RUN, TOTAL = +/- 380'
- 11 (P) 8' HIGH WOOD FENCE W/ T-111 SIDING TO MATCH (E) BUILDING PAINT TO MATCH (E) BUILDING
- 12 (P) 15' x 20' TECH PARKING
- 13 (P) 12'-0" DOUBLE SWING ACCESS GATE
- 14 (P) EQUIPMENT SHED - STYLE, COLOR, AND TEXTURE TO MATCH (E) SHED
- 15 (P) (2) DC12 SURGE SUPPRESSION UNIT (STACKED) ON (P) H-FRAME
- 16 (E) BUILDING
- 17 (P) CONCRETE PAD
- 18 (P) 4' SHED ACCESS DOOR
- 19 (P) 36" CLEAR WORK SPACE
- 20 (P) 200A SITE DISCONNECT
- 21 (P) H-FRAME
- 22 (P) CIENA AND UAM MOUNTED ON (P) H-FRAME
- 23 (P) GPS UNIT
- 24 (P) 42 CIRCUIT LOAD CENTER
- 25 (P) 2'-0"x1'-6" INSTALLED AT 6'-4" A.G.L.
- 26 (P) 2'-0"x1'-0" INSTALLED AT 6" A.G.L.



AT&T Site ID:  
**CVL01731**  
COLD SPRINGS  
MIDDLE

Vendor:  
**EPIC**  
WIRELESS GROUP LLC  
Connecting a Wireless World  
605 Coolidge Dr. Suite 100  
Folsom, CA. 95630

PREPARED FOR  
**at&t**  
5001 Executive Parkway  
San Ramon, California 94583

Architect:  
**Borges**  
ARCHITECTURAL GROUP  
borgesarch.com  
1478 STONE POINT DRIVE, SUITE 350  
ROSEVILLE CA 95661  
916 782 7200 TEL  
916 773 3037 FAX

AT&T SITE NO: CVL01731  
PROJECT NO: T-18509-32  
DRAWN BY: A.P.E.  
CHECKED BY: D.A.G.

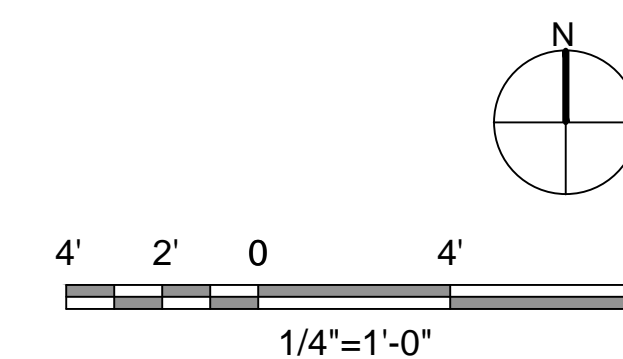
REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

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Issued For:  
**09/10/19**  
100% ZD Submittal

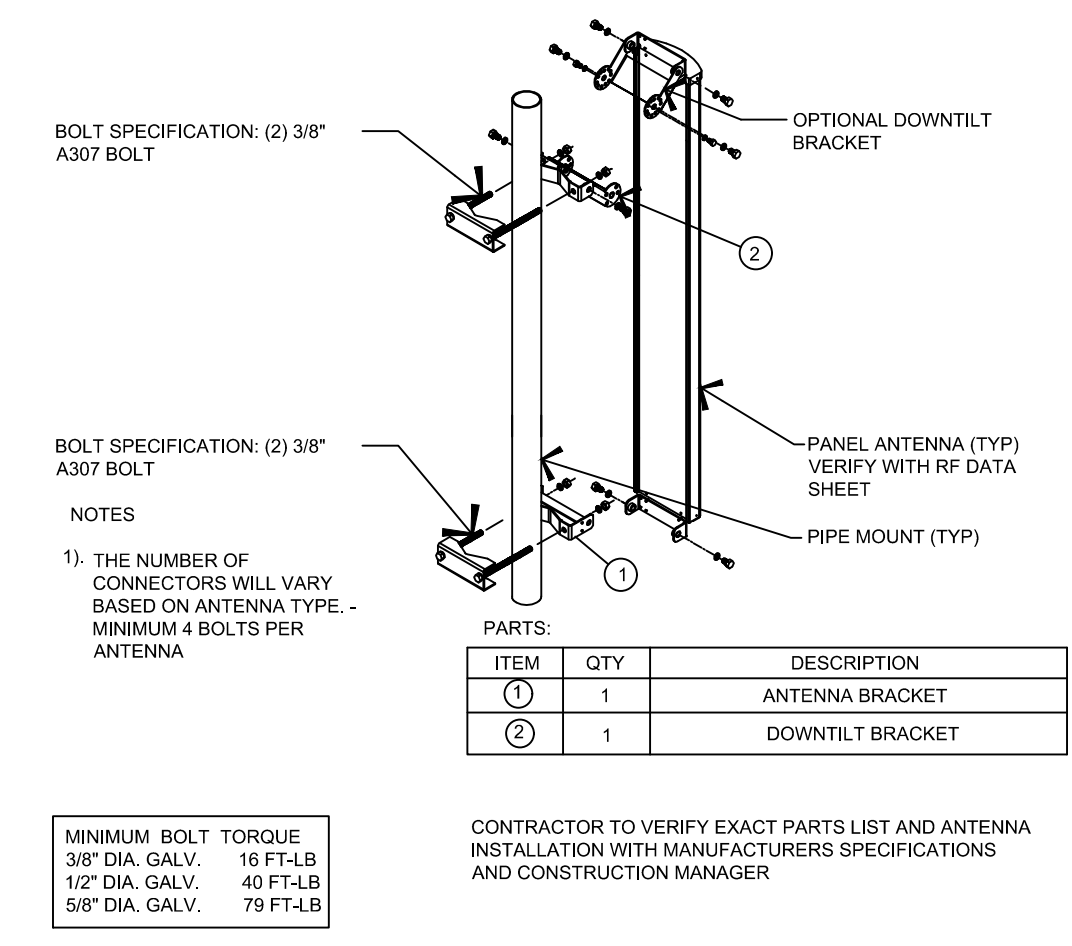
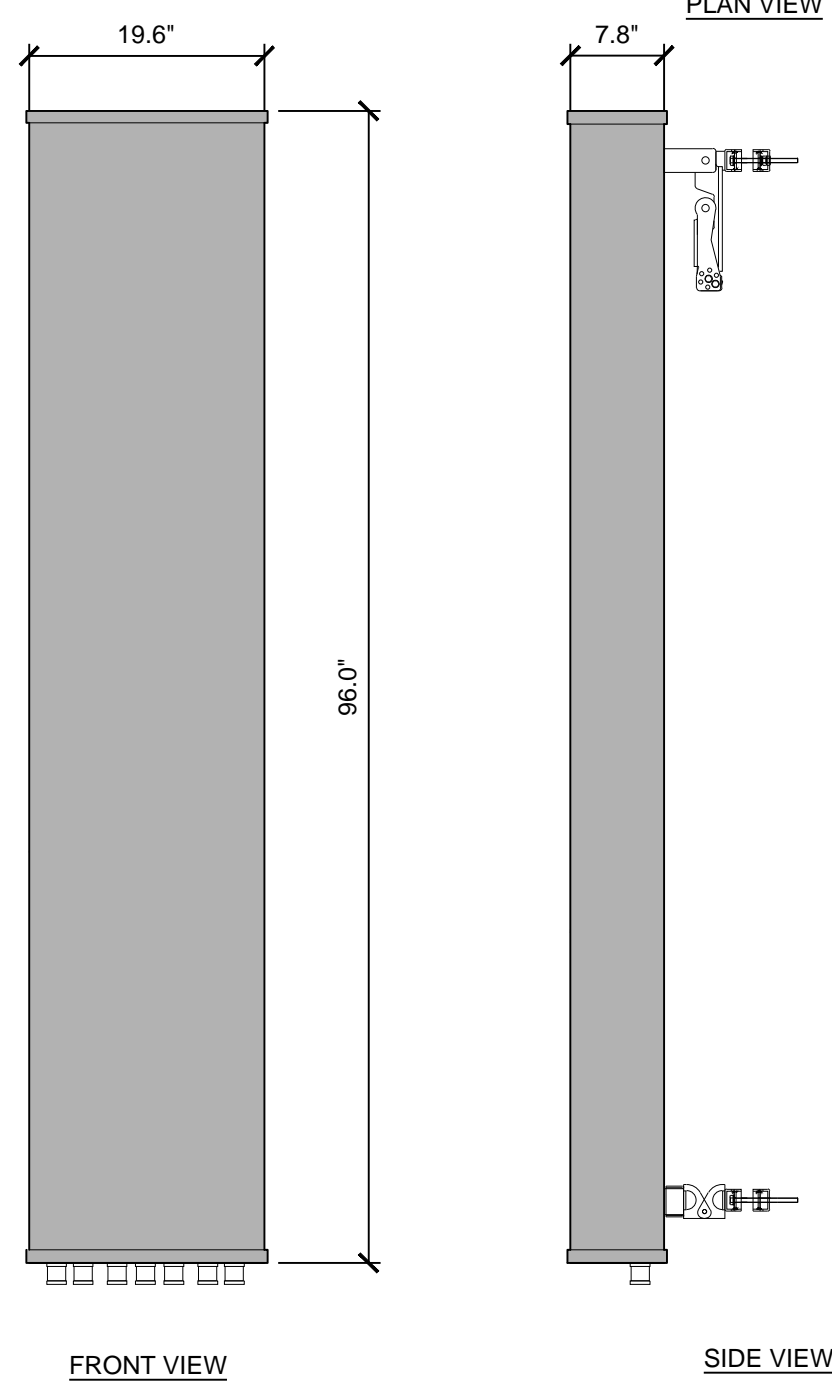
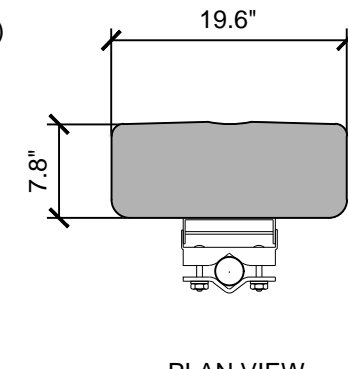
SHEET TITLE:  
**ENLARGED EQUIPMENT PLAN**

SHEET NUMBER:  
**A-2**



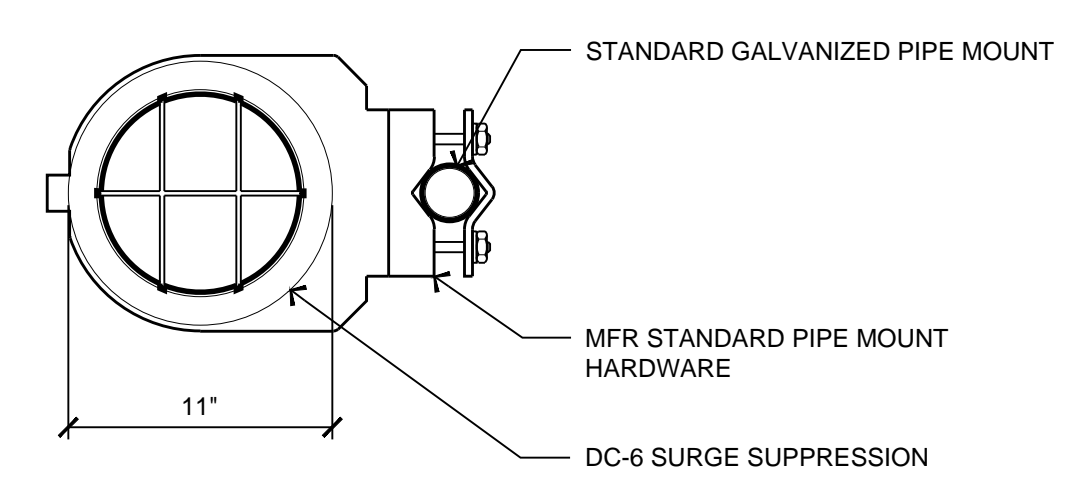


ANTENNA: COMMSCOPE NNHH-65C-R4  
 HEIGHT: 96.0"  
 WIDTH: 19.6"  
 DEPTH: 7.8"  
 WEIGHT: 99.2 lb (w/o MOUNTING HARDWARE)



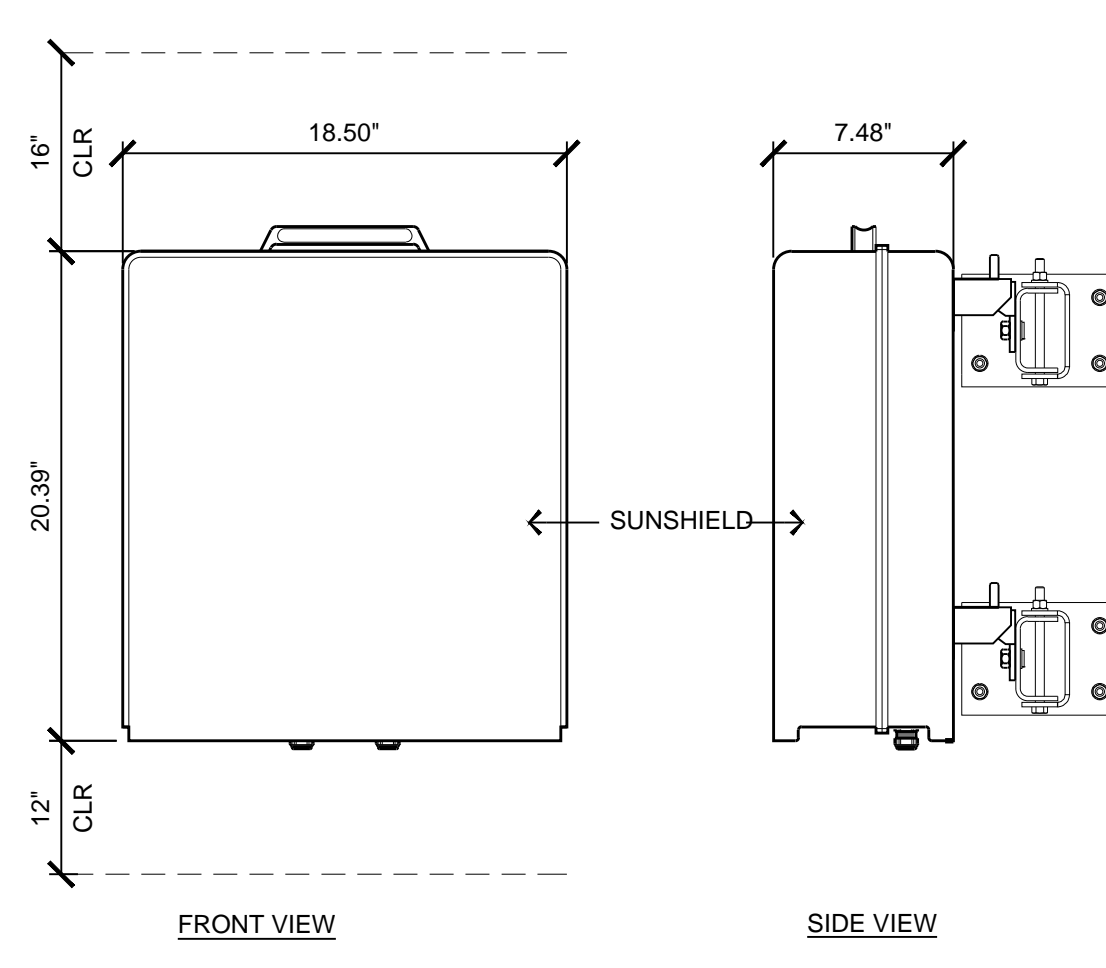
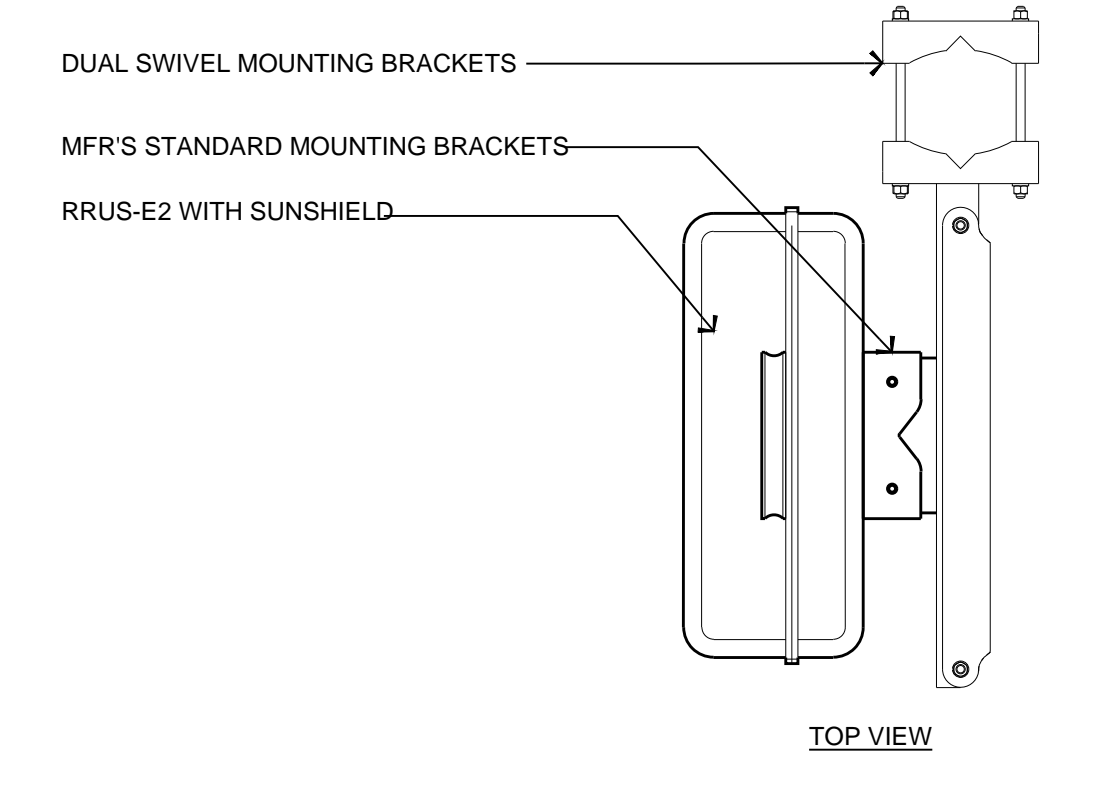
16 ANTENNA MOUNTING DETAIL  
 3/4" = 1'-0"

RAYCAP DC6-48-60-18-8F SURGE SUPPRESSION  
 COLOR: BLACK/SILVER  
 DIMENSIONS: 11" DIA X 27" TALL W/ 9" BASE  
 WEIGHT: +/- 50 LBS. (INCLUDING MOUNTING HARDWARE)

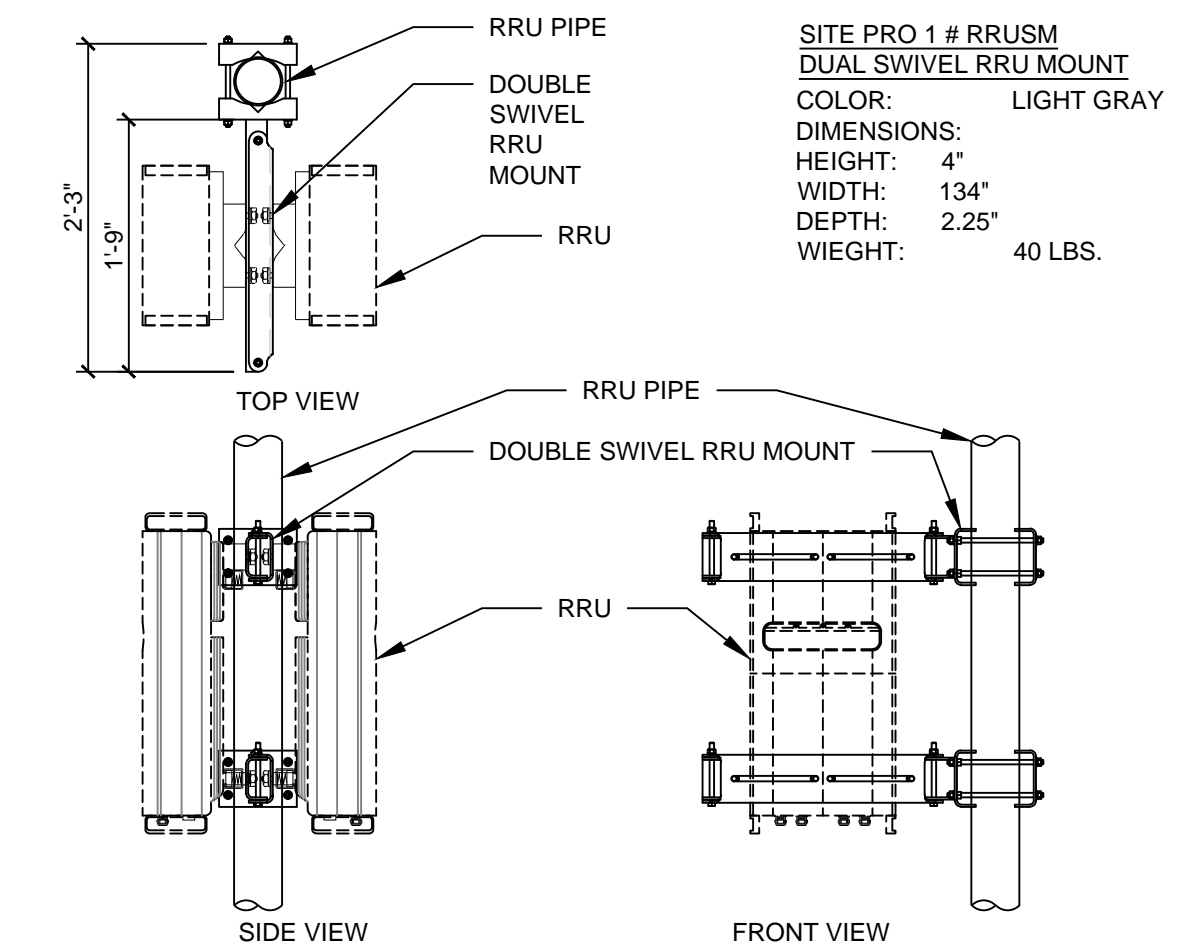


15 DC SURGE SUPPRESSION  
 1 1/2" = 1'-0"

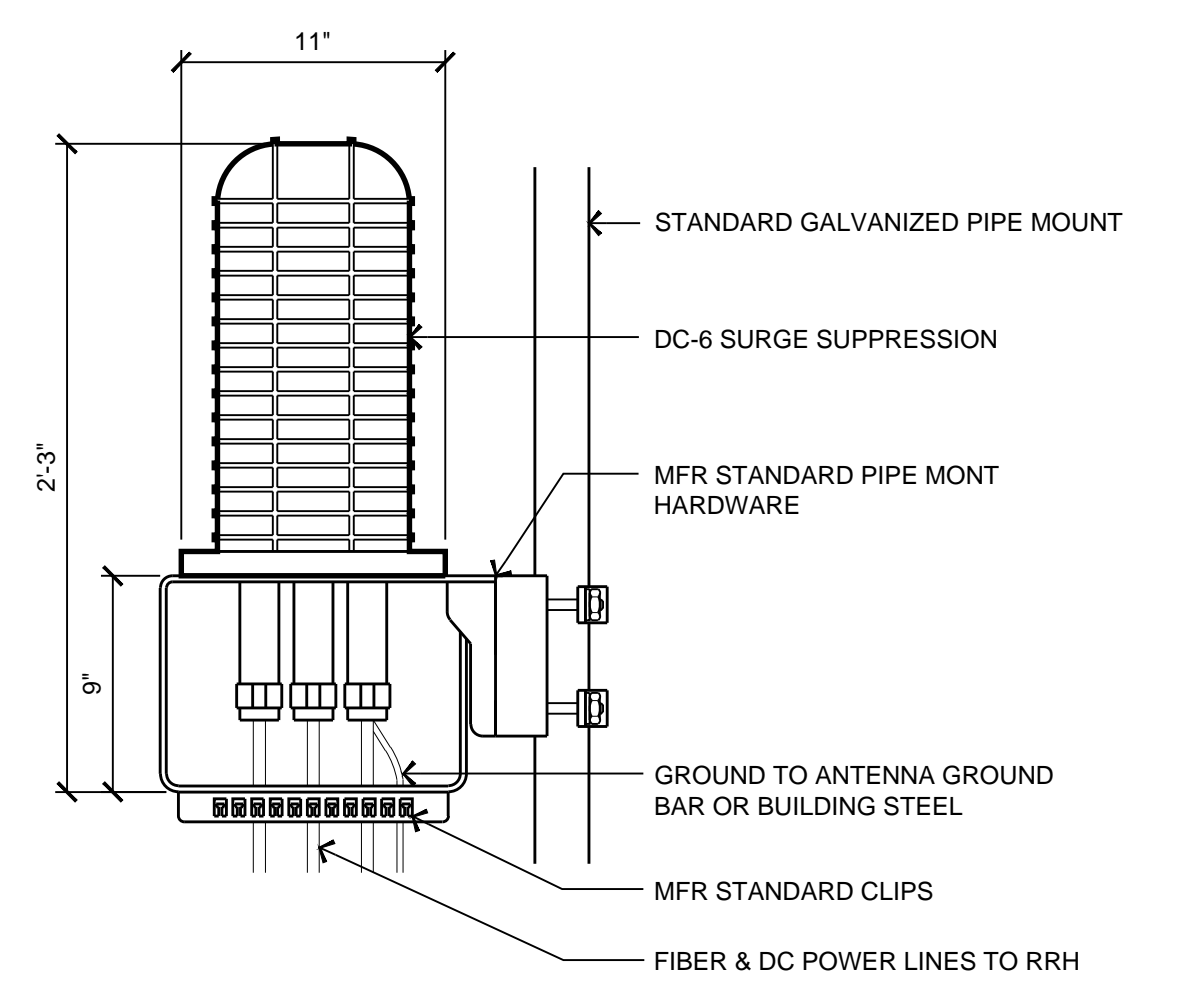
ERICSSON RRUS-E2 REMOTE RADIO UNIT  
 COLOR: GRAY  
 DIMENSIONS: 20.39" TALL X 18.50" WIDE X 7.48" DEEP (INCLUDING SUNSHIELD)  
 WEIGHT: +/- 53 LBS. (INCLUDING MOUNTING HARDWARE)



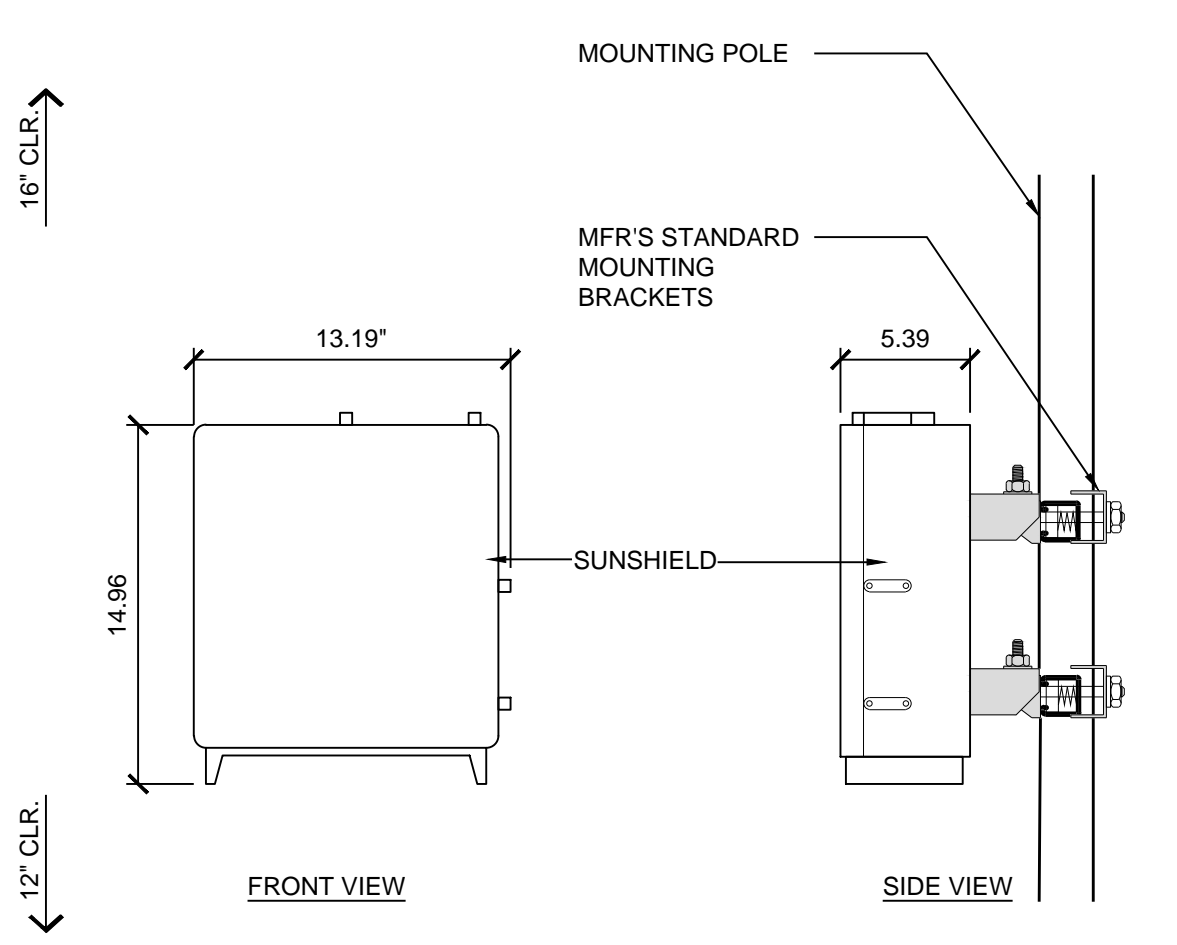
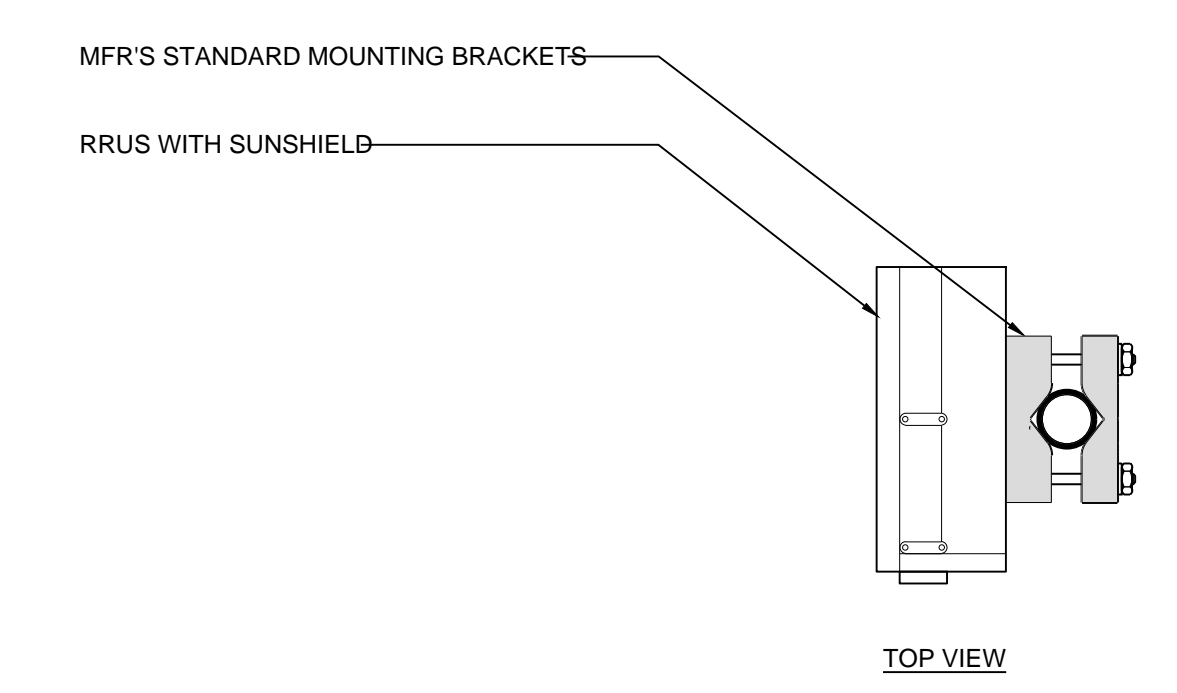
13 RRUS-E2  
 1 1/2" = 1'-0"



12 DOUBLE SIDED RRU MOUNT W\_ RRU  
 3/4" = 1'-0"



ERICSSON RRUS-4415 REMOTE RADIO UNIT  
 COLOR: WHITE  
 DIMENSIONS: 14.96" TALL X 13.19" WIDE X 5.39" DEEP (INCLUDING SUNSHIELD)  
 WEIGHT: +/- 44.0 LBS. (EXCLUDING MOUNTING HARDWARE)



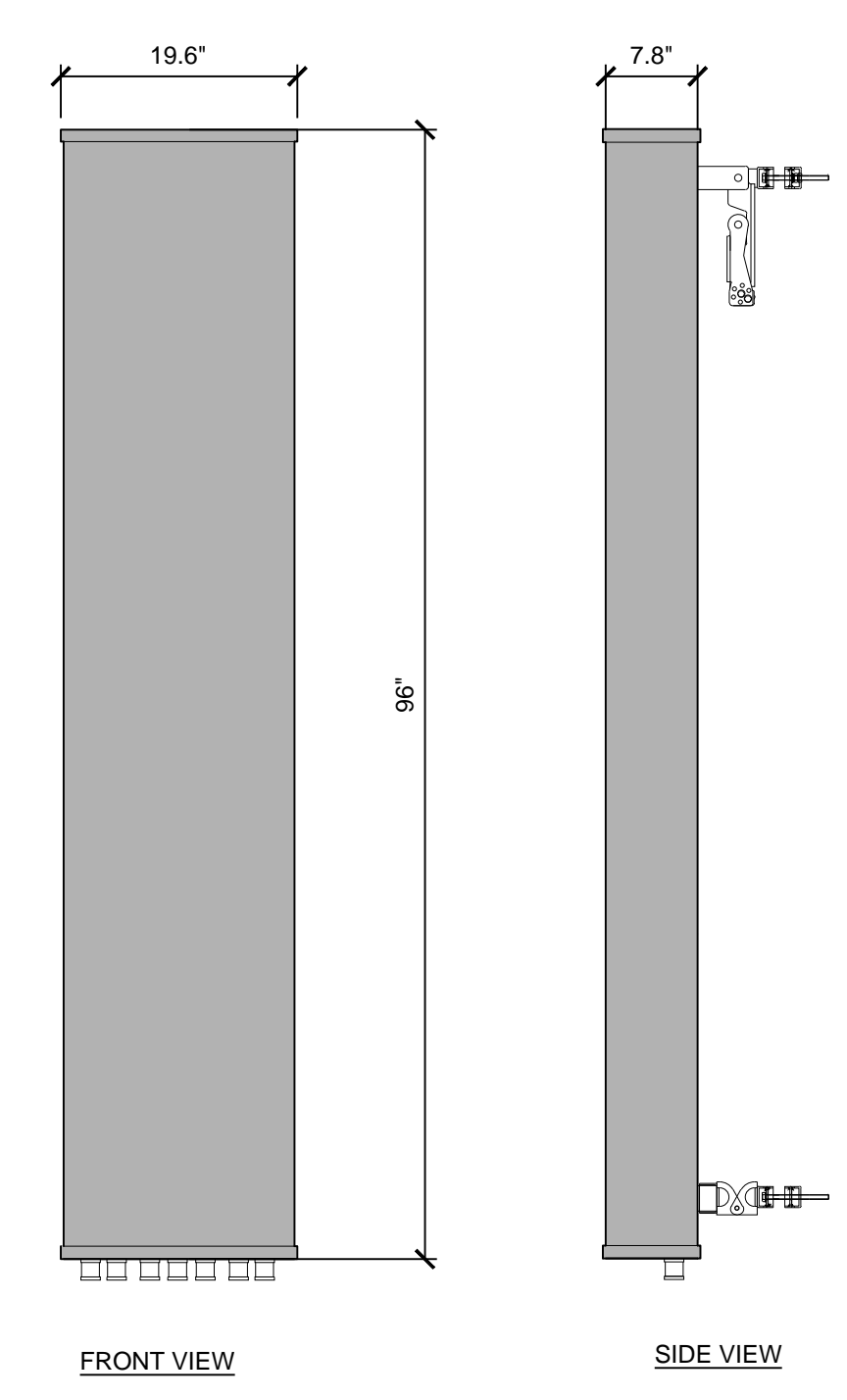
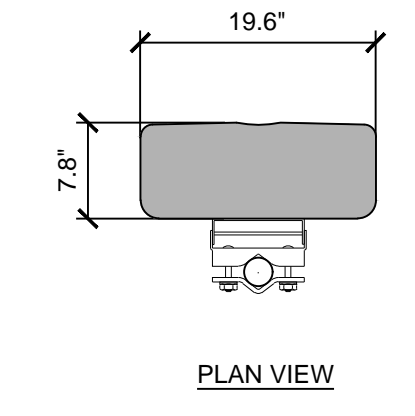
9 ERICSSON RRUS 4415 REMOTE RADIO UNIT  
 1 1/2" = 1'-0"

SECTOR	ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	COAX DIA.	NO.
A L P H A	A1	COMMSCOPE NNH4-65C-R6-V3	350° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	A2	COMMSCOPE NNHH-65C-R4	350° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	A3	COMMSCOPE NNHH-65C-R4	350° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
B E T A	B1	COMMSCOPE NNH4-65C-R6-V3	231° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	B2	COMMSCOPE NNHH-65C-R4	231° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	B3	COMMSCOPE NNHH-65C-R4	231° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
G A M M A	C1	COMMSCOPE NNH4-65C-R6-V3	150° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	C2	COMMSCOPE NNHH-65C-R4	150° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2
	C3	COMMSCOPE NNHH-65C-R4	150° ± 75'-9"	(2) RRU	NA	± 80'-0"	± 10'-0"	1/2"	2

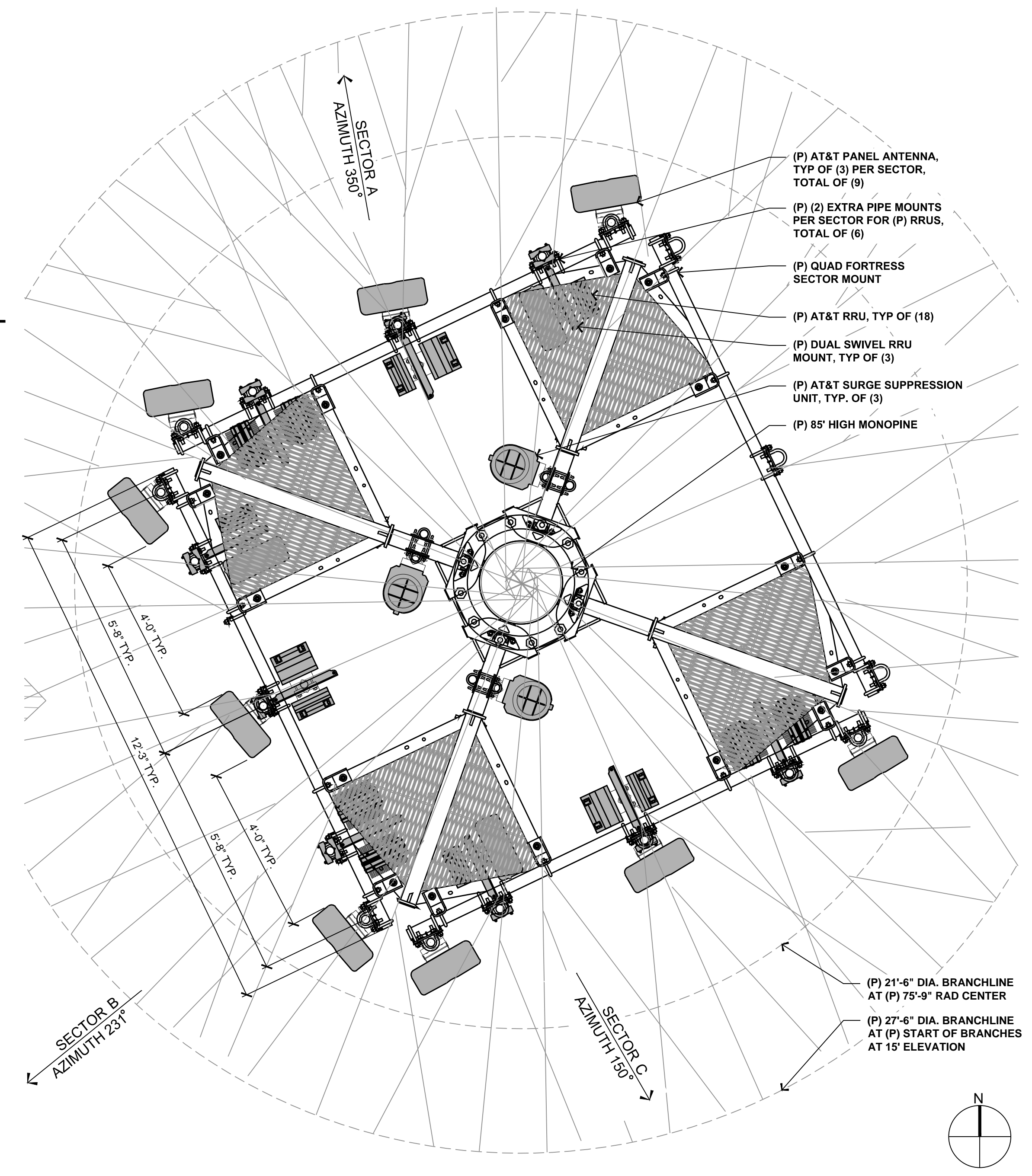
8 RF SCHEDULE

19 COMMSCOPE NNHH-65C-R4  
 3/4" = 1'-0"

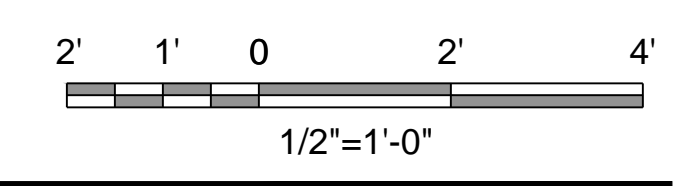
ANTENNA: COMMSCOPE NNH4-65C-R6-V3  
 HEIGHT: 96.0"  
 WIDTH: 19.6"  
 DEPTH: 7.8"  
 WEIGHT: 102.1 lb (w/o MOUNTING HARDWARE)



17 COMMSCOPE NNH4-65C-R6-V3  
 3/4" = 1'-0"



5 ENLARGED ANTENNA PLAN  
 1/2" = 1'-0"



AT&T Site ID:  
**CVL01731**  
 COLD SPRINGS  
 MIDDLE

Vendor:  
  
**WIRELESS GROUP LLC**  
 Connecting a Wireless World  
 605 Coolidge Dr. Suite 100  
 Folsom, CA. 95630

PREPARED FOR  
  
 5001 Executive Parkway  
 San Ramon, California 94583

Architect:  
  
**ARCHITECTURAL GROUP**  
**Borges**  
 borgesarch.com  
 1478 STONE POINT DRIVE, SUITE 350  
 ROSEVILLE CA 95661  
 916 782 7200 TEL  
 916 773 3037 FAX

AT&T SITE NO: CVL01731  
 PROJECT NO: T-18509-32  
 DRAWN BY: A.P.E.  
 CHECKED BY: D.A.G.

REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

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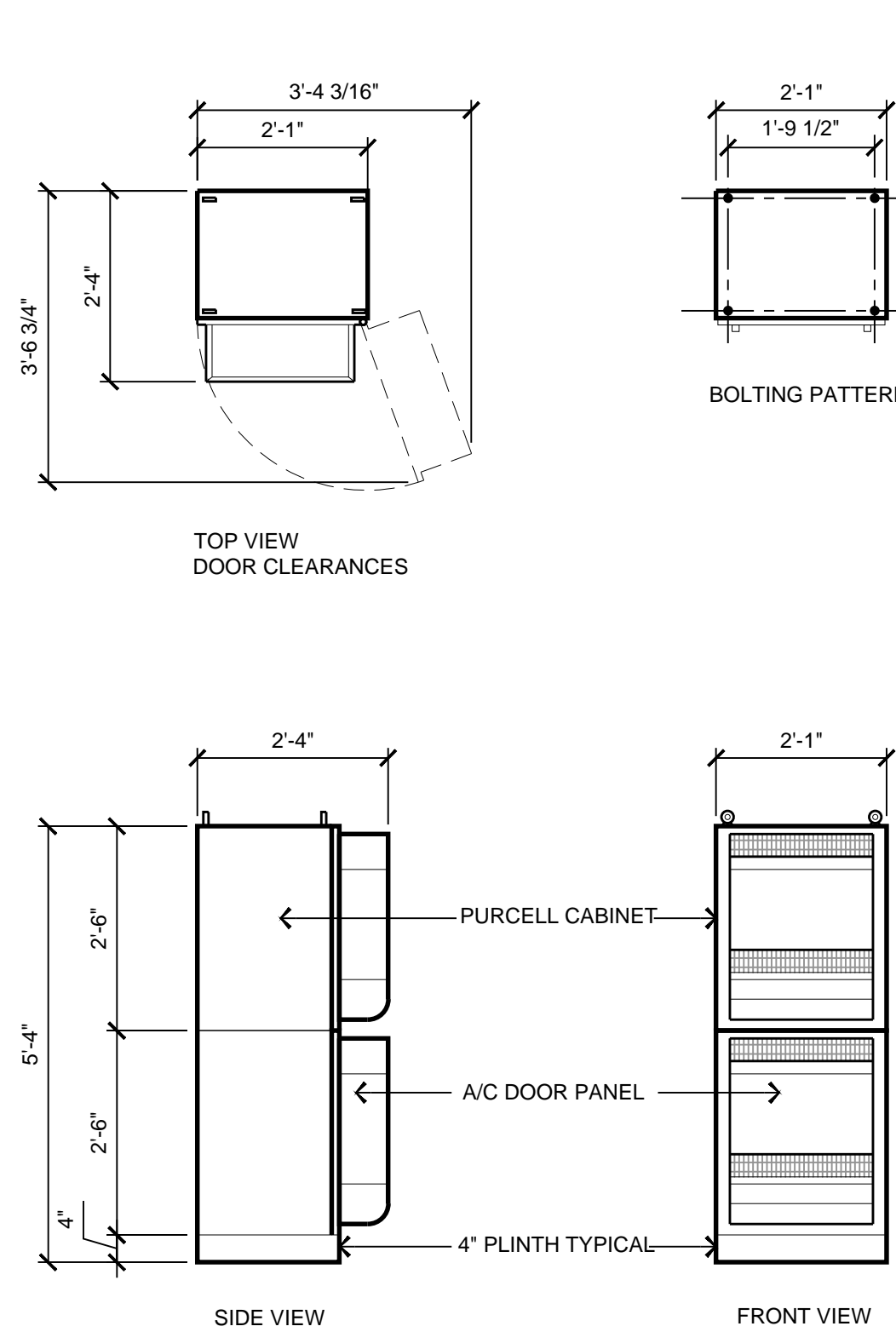
SHEET TITLE:  
**ANTENNA PLANS & DETAILS**

SHEET NUMBER:  
**A-3.1**

File Name: 20191119\_09:07:54 AM - File Path: C:\Users\atp\OneDrive\Documents\Projects\18509-32\_CVL01731\_Cold Springs Middle\CVL01731\_CVL01731\_Cold Springs Middle\Sheet\A3\_Antenna Plans & Details.dwg - Plotted By: Anthony Eric

**PURCELL LTE CONDITIONED CABINET**

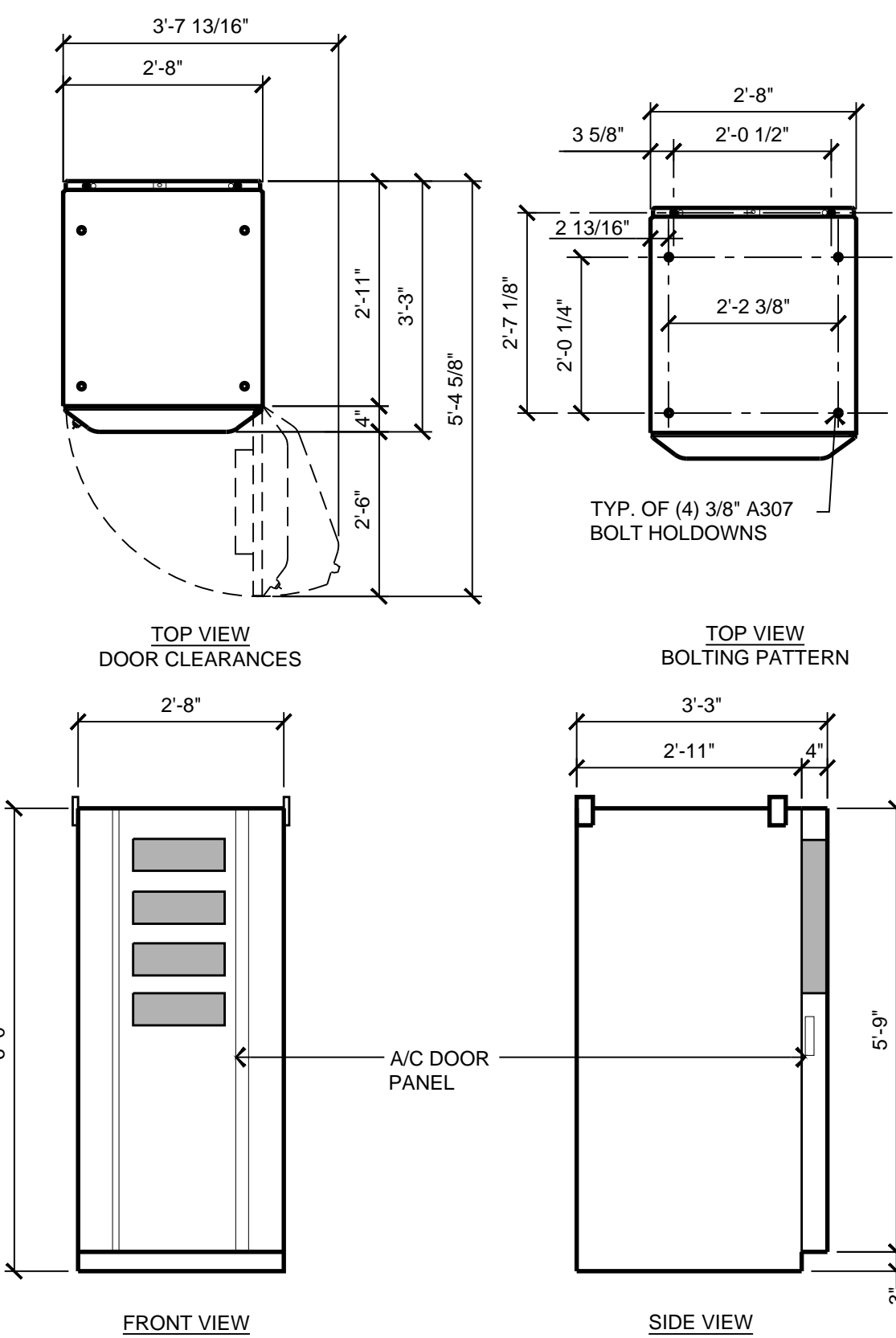
COLOR: LIGHT TAN  
 A/C REQD: NONE - DC POWER ONLY  
 DIMENSIONS: 2'-1" WIDE X 5'-4" TALL X 2'-4" DEEP  
 WEIGHT: +/- 350 LBS. (FULLY LOADED)



**17** PURCELL LTE CONDITIONED CABINET  
 1/2" = 1'-0"

**CABINET SPECIFICATIONS**

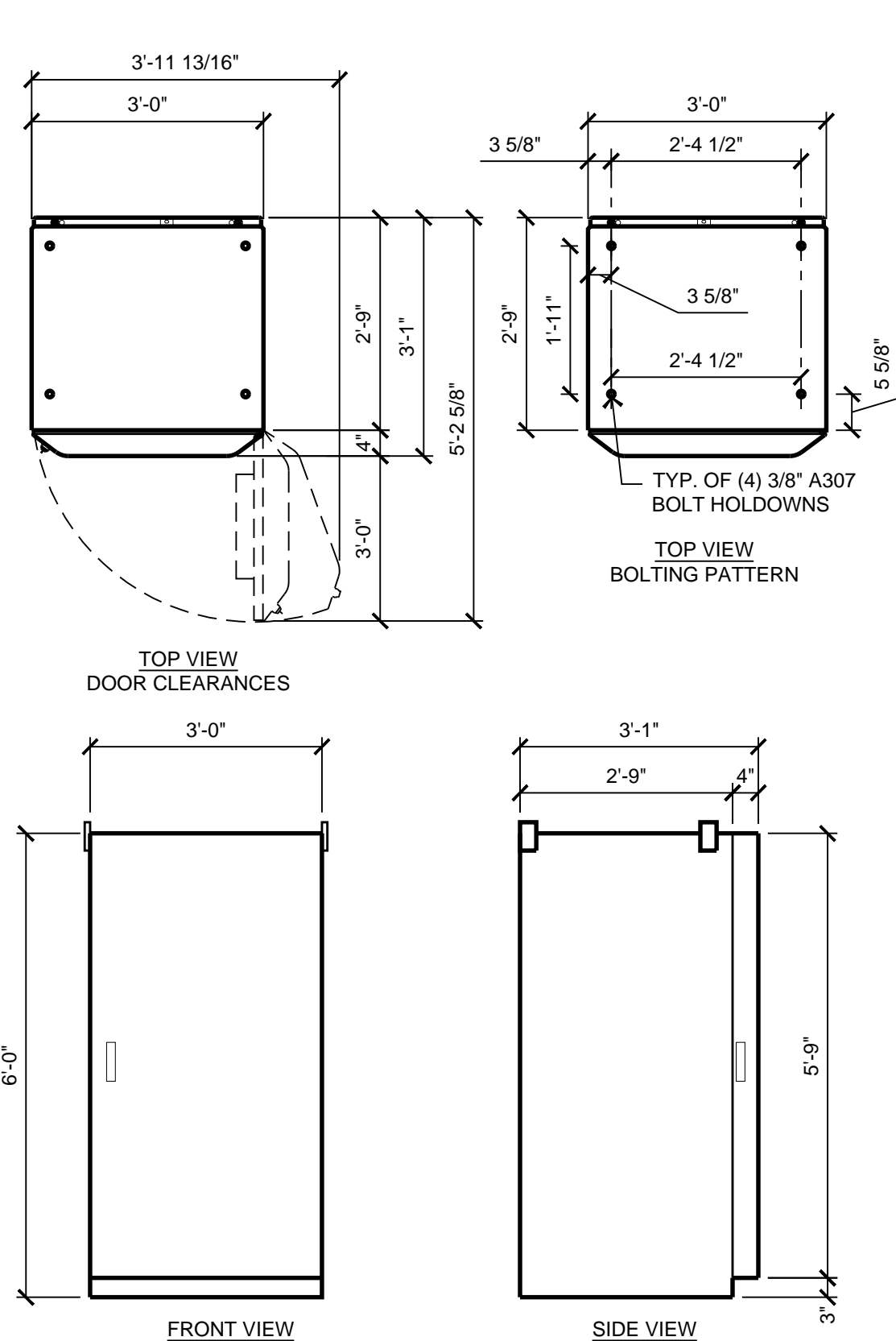
COLOR: WHITE  
 A/C REQD: (1) 2 POLE 20 AMP BREAKER & (2) 2 POLE 40 AMP BREAKERS  
 DIMENSIONS: 2'-8" WIDE X 6'-0" TALL X 3'-3" DEEP  
 WEIGHT: +/- 1900 LBS. (FULLY LOADED)



**13** NETSURE 512DC POWER & BATTERY CABINET  
 1/2" = 1'-0"

**CABINET SPECIFICATIONS**

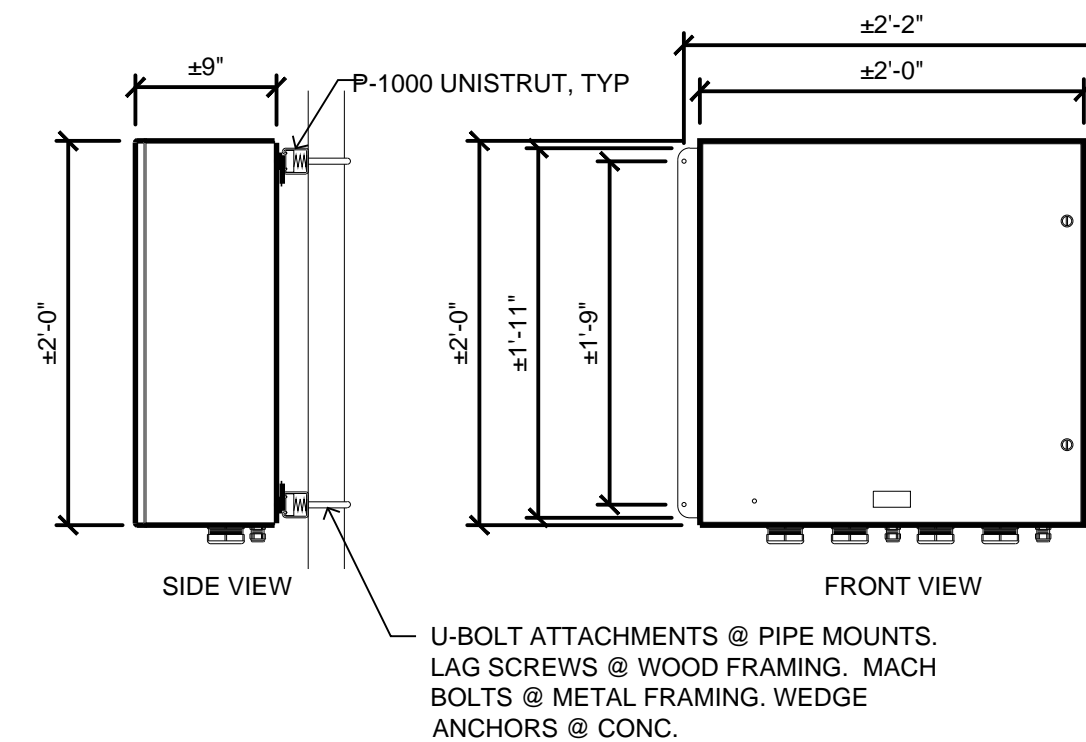
COLOR: WHITE  
 A/C REQD: (1) 2 POLE 20 AMP BREAKER & (2) 2 POLE 40 AMP BREAKERS  
 DIMENSIONS: 3'-0" WIDE X 6'-0" TALL X 3'-1" DEEP  
 WEIGHT: +/- 3200 LBS. (FULLY LOADED)



**9** EMERSON NEQ. 15919 BATTERY CABINET  
 1/2" = 1'-0"

**RAYCAP DC12-48-60-0-25E FIBER DC POWER CONNECTION**

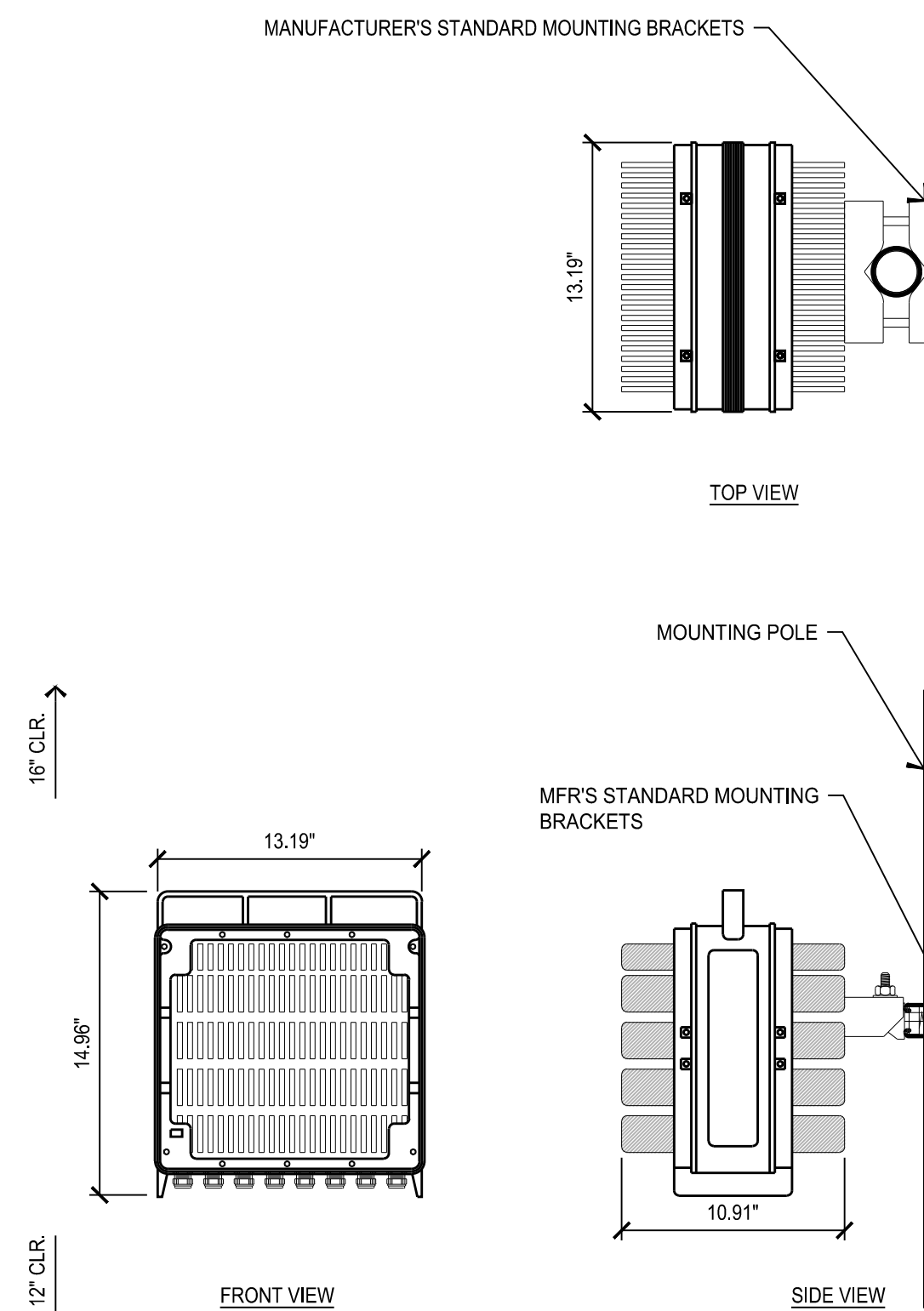
COLOR: LIGHT TAN  
 DIMENSIONS: 24" WIDE X 24" TALL X 8.8" DEEP  
 WEIGHT: +/- 35 LBS. (INCLUDING MOUNTING HARDWARE)



**7** DC12 POWER CONNECTION  
 1" = 1'-0"

**ERICSSON RRU-8843 REMOTE RADIO UNIT**

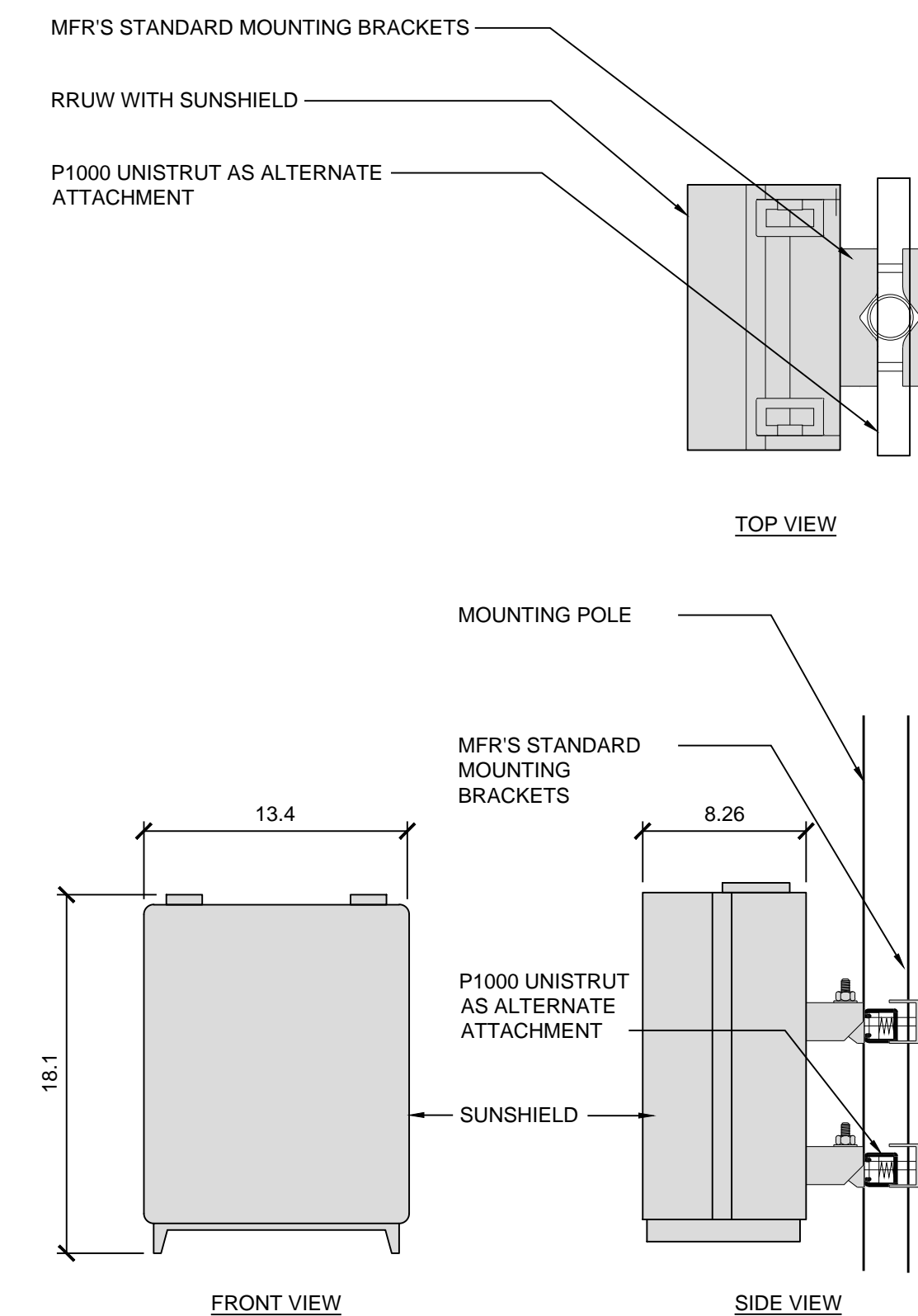
COLOR: WHITE  
 DIMENSIONS: 14.96" (380mm) TALL X 13.19" (335mm) WIDE X 10.91" (277mm) DEEP  
 WEIGHT: +/- 70.55 LBS. (32kg) EXCLUDING MOUNTING HARDWARE



**5** ERICSSON RRU 8843 DETAIL  
 1 1/2" = 1'-0"

**ERICSSON RRU 4478 B14 REMOTE RADIO UNIT**

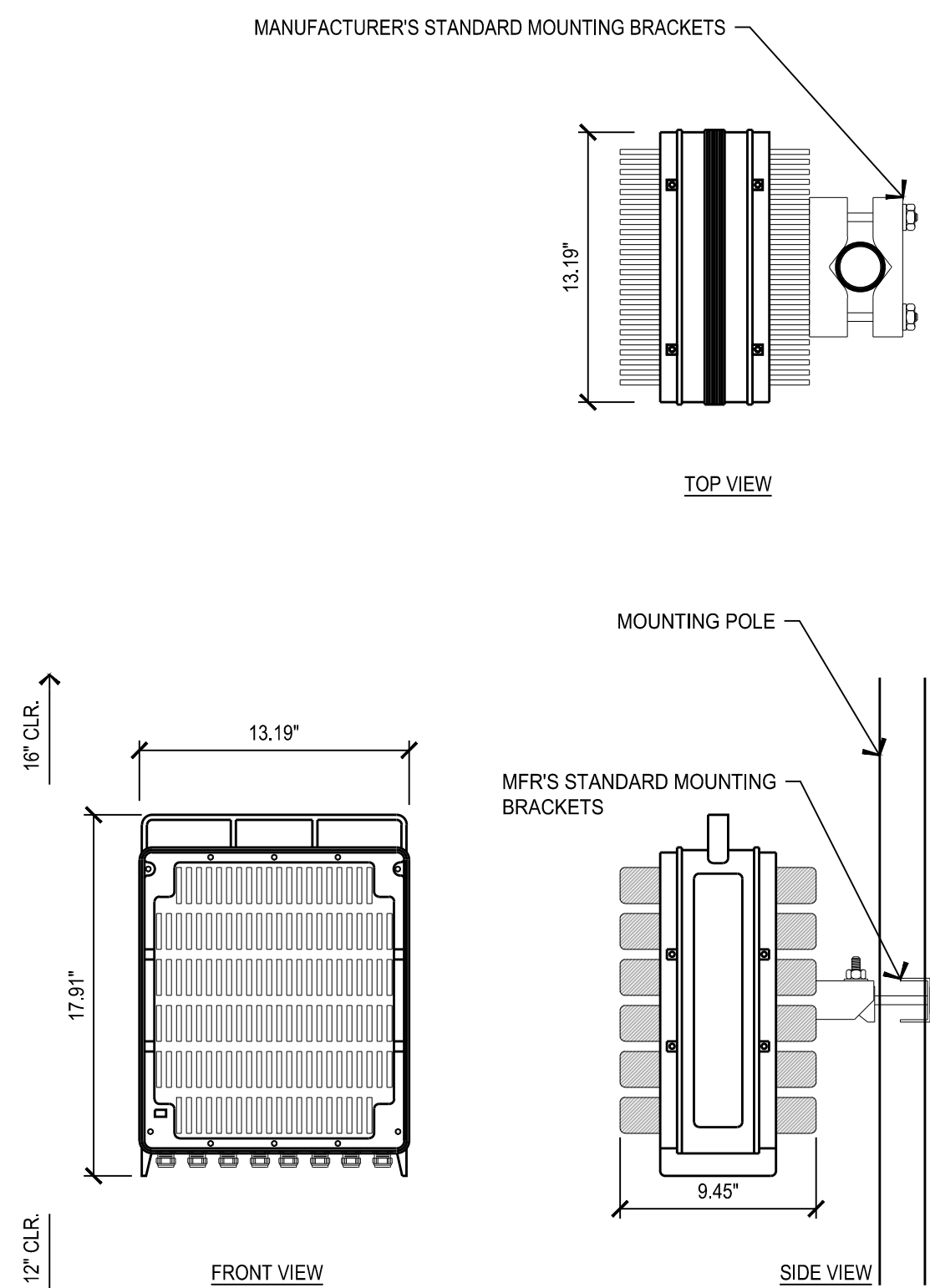
COLOR: WHITE  
 DIMENSIONS: 18.1" TALL X 13.4" WIDE X 8.26" DEEP (INCLUDING SUNSHIELD)  
 WEIGHT: +/- 59.4 LBS. (EXCLUDING MOUNTING HARDWARE)



**3** ERICSSON RRU 4478 B5 REMOTE RADIO UNIT  
 1 1/2" = 1'-0"

**ERICSSON RRU-4449 REMOTE RADIO UNIT**

COLOR: WHITE  
 DIMENSIONS: 17.91" (455mm) TALL X 13.19" (335mm) WIDE X 9.45" (240mm) DEEP  
 WEIGHT: +/- 70.55 LBS. (32kg) EXCLUDING MOUNTING HARDWARE



**1** ERICSSON RRU 4449 DETAIL  
 1 1/2" = 1'-0"

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**CVL01731**  
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 MIDDLE

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Architect:  
**Borges**  
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AT&T SITE NO: CVL01731  
 PROJECT NO: T-18509-32  
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SHEET TITLE:  
 DETAILS

SHEET NUMBER:  
**A-3.2**

P:\01\102019\080810\AM - File Name: 2019111609 - Epic Wireless\_ATT - NSBT - 18509-32\_CVL01731\_Cold Springs Middle\CVL01731\_Cold Springs Middle\Sheet\A-3.2 Details.dwg Plotted By: Anthony Etko

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Vendor:  
  
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AT&T SITE NO: CVL01731  
 PROJECT NO: T-18509-32  
 DRAWN BY: A.P.E.  
 CHECKED BY: D.A.G.

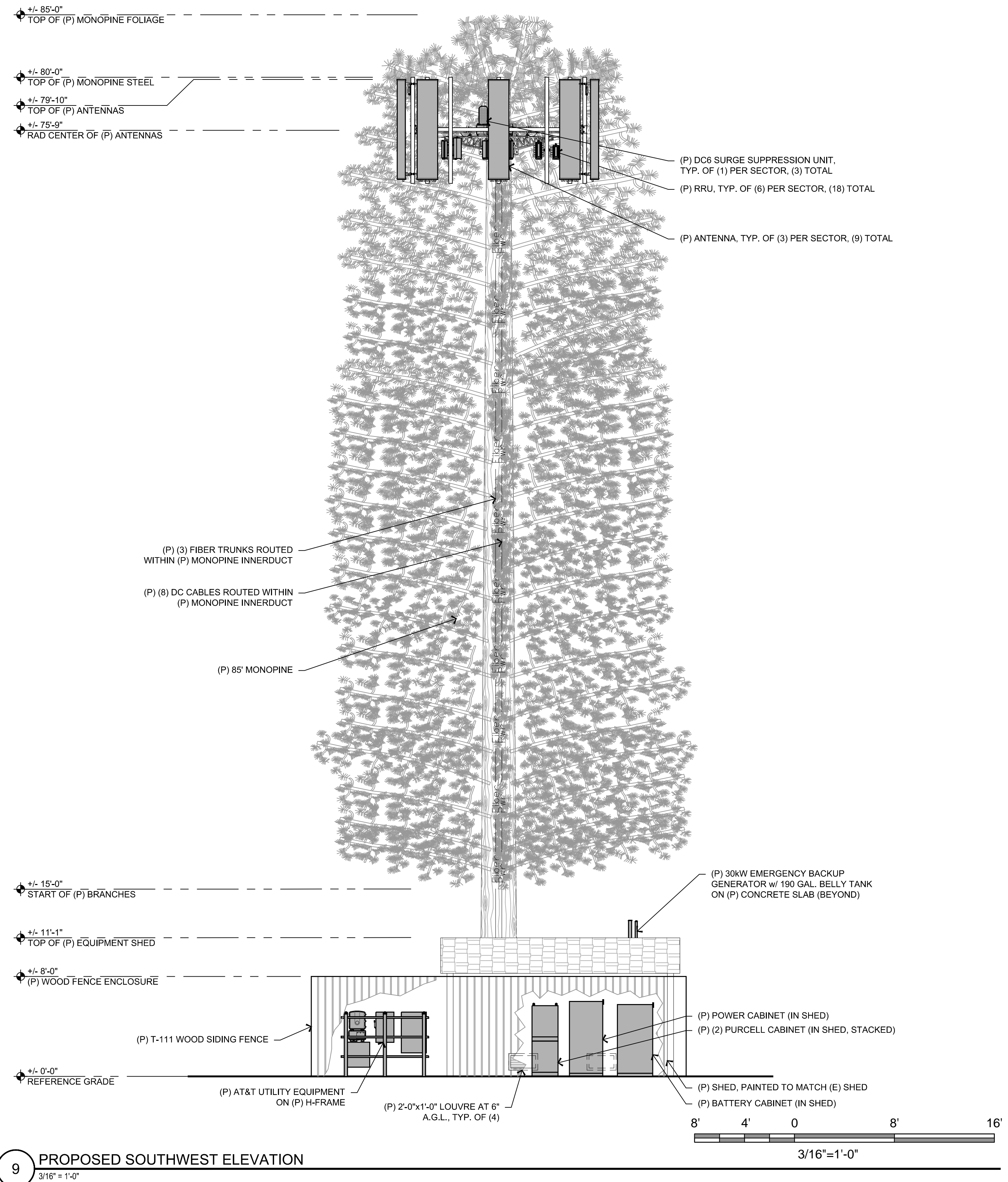
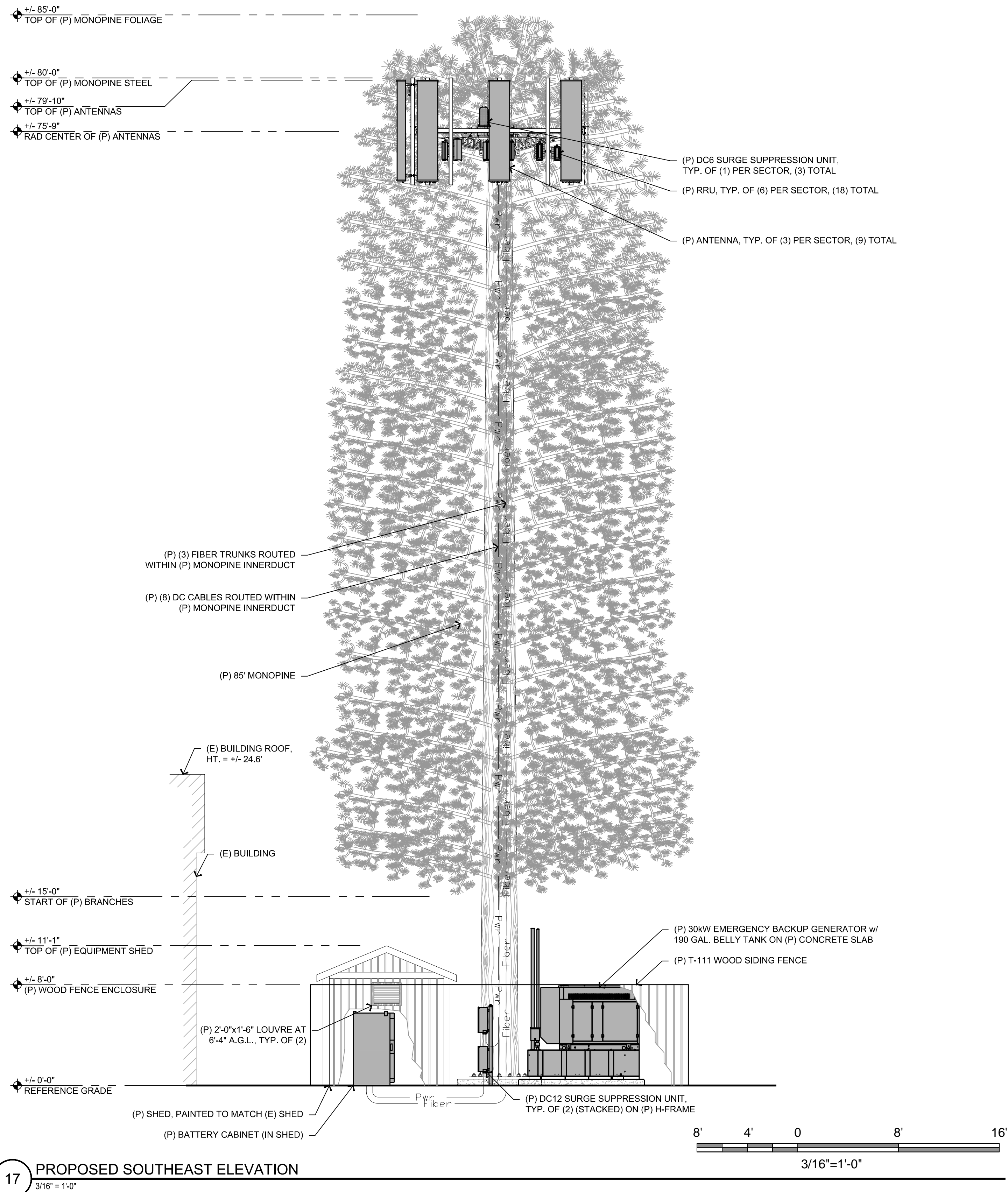
REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
A	08/29/19	90% ZD SUBMITTAL

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SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER:  
**A-4.1**





File Name: AT&T - 18509 - 32 - CVL01731 - Cold Springs Middle - Elevation.dwg  
 Plot Date: 09/10/19 8:58:29 AM  
 Plot Name: 20190910\_18509\_32\_CVL01731\_Cold Springs Middle - Elevation.dwg  
 Plotter: HP DesignJet 5000

17 PROPOSED SOUTHEAST ELEVATION  
 3/16" = 1'-0"

9 PROPOSED SOUTHWEST ELEVATION  
 3/16" = 1'-0"

AT&T Site ID:  
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 COLD SPRINGS  
 MIDDLE

Vendor:  
  
 605 Coolidge Dr. Suite 100  
 Folsom, CA. 95630

PREPARED FOR  
  
 5001 Executive Parkway  
 San Ramon, California 94583

Architect:  
  
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AT&T SITE NO: CVL01731  
 PROJECT NO: T-18509-32  
 DRAWN BY: A.P.E.  
 CHECKED BY: D.A.G.

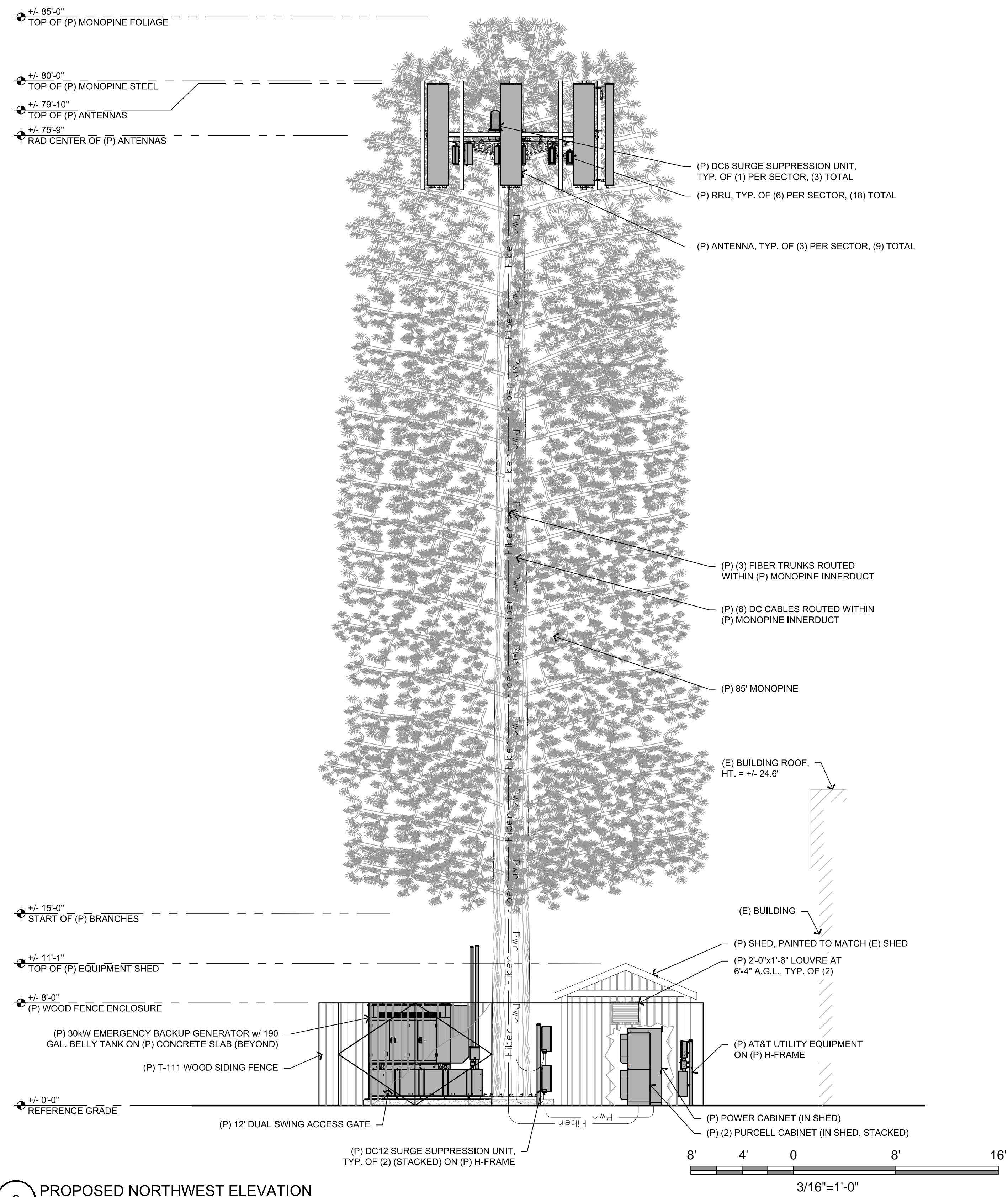
REV	DATE	DESCRIPTION
B	09/10/19	100% ZD SUBMITTAL
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SHEET TITLE:  
**ELEVATIONS**

SHEET NUMBER:  
**A-4.2**



9 PROPOSED NORTHWEST ELEVATION  
 3/16" = 1'-0"

Plot Date: 09/10/2019 8:08:42 AM File Name: 20190910\_18509\_32\_CVL01731\_ColdSpringsMiddle.dwg Plotter: AutoCAD 2019