



## CONDITIONAL USE PERMIT

Permit info: CUPFY2025-0009

Application Date: 5/12/2025 Rec'd by:

FOR OFFICE USE ONLY

6015 Glenwood Street ▪ Garden City, ID 83714 ▪ 208.472.2921  
▪ [www.gardencityidaho.org](http://www.gardencityidaho.org) ▪ [building@gardencityidaho.org](mailto:building@gardencityidaho.org)

APPLICANT	PROPERTY OWNER
Name: Gary Abrahams for Crown Castle USA Inc. on behalf of AT&T Mobility	Name: DBII LLC
Company: GMA Network Services, LLC	Company:
Address: 590 1st Ave. South, #705	Address: 8247 W. State St.
City: Seattle	City: Garden City
State: WA	State: ID
Zip: 9810	Zip: 83724
Tel.: 206-349-4279	Tel.:
E-mail: gary@gmanetworkservices.com	E-mail:

### PROPERTY AND DESIGN INFORMATION: [VISIT ADA COUNTY ASSESSOR'S SITE](#)

Site Address: 8247 W. State Street, Garden City, ID 83714

Subdivision Name: AZALEA	Lot: 11	Block: 2
Tax Parcel Number: R0719420250	Zoning: C-2	Total Acres: .567
Proposed Use: EFR 6409a for AT&T collocation	Floodplain: YES	NO <input checked="" type="checkbox"/>

Describe the proposed use: EFR 6409a application for AT&T Mobility's collocation at this existing wireless communication facility. AT&T proposes to add its antennas and associated equipment to the existing monopole, and add associated equipment at the base of the monopole including a walk-up-cabinet and an emergency generator.

Will you be making changes to the structure(s)? YES  NO

If no, will you be changing the occupancies as defined by the [IBC](#)? YES  NO

Check any that are applicable to this application:  <i>*If any of the first three boxes are checked, a <a href="#">Design Review Application</a> is required*</i>	<input type="checkbox"/>	I will build a new structure No
	<input type="checkbox"/>	I will add 25% or more to the floor area of an existing building - No
	<input type="checkbox"/>	I will alter, replace rehabilitate or restore 25% or more of a store façade - No

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**How is the use appropriate to the location, the lot, and the neighborhood, and is compatible with the uses permitted in the applicable zoning district?**

See attached response

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**Is the use supported by adequate public facilities or services such as water/sewer, schools, roads, parks, transit, fire protection and police protection?**

See attached response

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**How does the use affect the health, safety or welfare of the community?**

See attached response

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**How does the use support the goals of the Comprehensive Plan?**

See attached response

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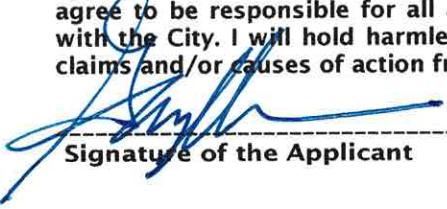
**How far is the proposed use from a pedestrian/bicycle pathway?**

See attached response

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I consent to this application and hereby certify that information contained on this application and in the accompanying materials is correct to the best of my knowledge. I agree to be responsible for all application materials, fees and application correspondence with the City. I will hold harmless and indemnify the City of Garden City from any and all claims and/or causes of action from or an outcome of the issuance of a permit from the City.

See attached

Signature of the Applicant

(date)

Signature of the Owner

(date)

## APPLICATION INFORMATION REQUIRED

**NOTE: AN ELECTRONIC COPY OF THE ENTIRE APPLICATION SUBMITTAL REQUIRED  
INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED UNDER ANY CIRCUMSTANCES**

**ONE (1) HARD COPY OF EACH CHECKLIST ITEM REQUIRED:**

- Compliance Statement and Statement of Intent
- Neighborhood Map
- Fire Flow / Ability to Serve
- 11"x17" Site Plan
- Irrigation/Ditch Company Authorization Letter
- Landscape Plan
- Photos of Site
- Neighborhood Meeting Verification
- Affidavit of Legal Interest
- Waiver Request of Application Materials
- Structural Documentation

(if previous Certificate of Occupancy has been issued and no change to IBC occupancy is anticipated)

*\*Additional information may be required by staff such as a traffic/parking analysis, a use analysis or documents related specifically to a business.*



## **PLEASE CHECK THE FOLLOWING:**

### INFORMATION REQUIRED ON COMPLIANCE STATEMENT AND STATEMENT OF INTENT:

- Statement explaining how the proposed use(s) is compliant with the standards of review for the proposed application. Cite the ordinances the proposed use(s) is compliant with
- Should include purpose, scope, and intent of project
- Information concerning noxious uses, noise, vibration, and any other aspects of the use or structure that may impact adjacent properties or the surrounding community

### INFORMATION REQUIRED ON NEIGHBORHOOD MAP:

- 8 1/2" x 11" size minimum
- Location of contiguous lots and lot(s) immediately across from any public or private street, building envelopes and/or existing buildings and structures at a scale not less than one inch equals one hundred feet (1" = 100')
- Impact of the proposed siting on existing buildings, structures, and/or building envelopes

### INFORMATION REQUIRED ON SITE PLAN:

- Scale not less than 1" = 20', legend, and north arrow.
- Property boundary, dimensions, setbacks and parcel size.
- Location of the proposed building, improvement, sign, fence or other structure, and the relationship to the platted building envelope and/or building zone
- Building envelope dimensions with the center of the envelope location established in relation to the property lines
- Adjacent public and private street right of way lines
- Total square footage of all proposed structures calculated for each floor. If the application is for an addition or alteration to an existing building or structure, then the new or altered portions shall be clearly indicated on the plans and the square footage of new or altered portion and the existing building shall be included in the calculations

- For uses classified as drive-through, the site plan shall demonstrate safe pedestrian and vehicular access and circulation on the site and between adjacent properties as required in Section 8-2C-13 of Title 8.

**INFORMATION REQUIRED FOR IRRIGATION/DITCH AUTHORIZATION LETTER:**

- Required if irrigation canal/irrigation ditch runs through property or along property lines

**INFORMATION FOR NEIGHBORHOOD MEETING VERIFICATION:**

- Copy of notice sent to property owners within 300' of an applicable property
- List of notice recipients with names and addresses
- Sign-up sheet from meeting

**INFORMATION REQUIRED FOR WAIVER REQUEST OF APPLICATION MATERIALS:**

- Statement must include a list of the application materials to be waived and an explanation for the request

**STRUCTURAL DOCUMENTATION (IF NO CHANGE TO STRUCTURE OR IBC OCCUPANCY):**

- Industrial treatment compliance: a statement answering the following questions:**
  - Do you or will you discharge wastewater other than domestic water from bathrooms to the City Sewer System? If yes, please describe.
  - Are floor drains present in your facility? If yes, are any chemicals stored on site in containers exceeding 1 gallon?
  - Do you or will you use fats, oils or greases in your business? If yes, do you have a grease trap/interceptor present
- One set of detailed current floor plans legibly drawn on minimum 8 1/2 X 11 plan sheet drawn to ¼"= 1' scale (with scale noted on plans) identifying:**
  - Use and square footage per room (i.e. office, storage, restroom, etc.)
  - Primary Occupancy Classification (2018 IBC sec 303-312)
  - Occupancy Load (2018 IBC Sec 1004, table 1004.5)
  - Interior and exterior wall and opening dimensions, windows, doors, roll-up doors
  - Electrical panels interior and exterior
  - Gas meter location
  - Fire extinguisher locations and size
  - Emergency lighting locations
  - Illuminated exit sign locations
  - Fire sprinkler riser location
  - Fire alarm panel location
  - Commercial cooking operation location, including size and type of hoods and grease traps
  - Spray finishing operation location
  - Flammable or combustible product locations
  - Welding operation locations
  - Rack storage locations

*Disclaimer Clause: X Denotes application information that may be waived depending on the nature of the request" found under table 8-6a-2 "required application information."*

## RESPONSE TO CUP QUESTIONS

**HOW IS THE USE APPROPRIATE TO THE LOCATION, THE LOT, AND THE NEIGHBORHOOD, AND IS COMPATIBLE WITH THE USES PERMITTED IN THE APPLICABLE ZONING DISTRICT?**

**Applicant Response:**

*The proposed application is for AT&T Mobility's installation at an existing wireless communication facility which includes installation of ground-based equipment, including a walk-up-cabinet and an emergency generator, and collocating antennas and associated equipment on an existing Base Station (tower).*

**IS THE USE SUPPORTED BY ADEQUATE PUBLIC FACILITIES OR SERVICES SUCH AS WATER/SEWER, SCHOOLS, ROADS, PARKS, TRANSIT, FIRE PROTECTION AND POLICE PROTECTION?**

**Applicant Response:**

*The subject site is an existing wireless communication facility, and it is served by existing utilities.*

**HOW DOES THE USE AFFECT THE HEALTH, SAFETY OR WELFARE OF THE COMMUNITY?**

**Applicant Response:**

*AT&T Mobility's collocation on an existing wireless communication facility will not have any impact on the surrounding community.*

**HOW DOES THE USE SUPPORT THE GOALS OF THE COMPREHENSIVE PLAN?**

**Applicant Response:**

*The proposed project is for the collocation on an existing wireless communication facility and limits the need for a new tower in Garden City.*

**HOW FAR IS THE PROPOSED USE FROM A PEDESTRIAN/BICYCLE PATHWAY?**

**Applicant Response:**

*The proposed use is a collocation at an existing wireless communication facility, and the proximity to pedestrian or bicycle pathways is not applicable.*

## NEIGHBORHOOD MAP





**VIA EMAIL SUBMITTAL**  
**CITY OF GARDEN CITY, IDAHO**  
[Planning@gardencityidaho.org](mailto:Planning@gardencityidaho.org)  
[building@gardencityidaho.org](mailto:building@gardencityidaho.org)

May 12, 2025

City of Garden City, Idaho  
Planning Department  
6015 Glenwood Street  
Garden City, ID 83714

\*\*\*\*\*NOTICE OF ELIGIBLE FACILITIES REQUEST\*\*\*\*\*

RE: Request for Minor Modification to Existing Wireless Facility – Section 6409  
Site Address: 8247 W. State Street, Garden City, Idaho 83714  
**CONDITIONAL USE PERMIT APPLICATION – AT&T MOBILITY**

Crown Site Number: 824322 / Crown Site Name: GrdnCity\_Roe  
Customer Site Number: IDLO2365 / Application Number: 665802  
City of Garden City Design Review application #: **DSRFY2024-0017**  
Neighborhood meeting held via Zoom on Tuesday, April 29, 2025

Dear Reviewing Parties:

On behalf of New Cingular Wireless PCS, LLC (“AT&T Mobility” or “Applicant”), Crown Castle USA Inc. (“Crown Castle”) is pleased to submit this request to modify the existing wireless facility noted above through the collocation, replacement and/or removal of the Applicant’s equipment as an eligible facilities request for a minor modification under Section 6409<sup>1</sup> and the rules of the Federal Communications Commission (“FCC”).<sup>2</sup>

Section 6409 mandates that state and local governments must approve any eligible facilities request for the modification of an existing wireless tower or base station that does not substantially change the physical

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<sup>1</sup> Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) (codified at 47 U.S.C. § 1455).

<sup>2</sup> *Acceleration of Broadband Deployment by Improving Wireless Facility Siting Policies*, 29 FCC Rcd. 12865 (2014) (codified at 47 CFR § 1.6100); and *Implementation of State & Local Governments’ Obligation to Approve Certain Wireless Facility Modification Requests Under Section 6409(a) of the Spectrum Act of 2012*, WT Docket No. 19-250 (June 10, 2020).

<sup>3</sup> See 47 CFR § 1.6100 (c)(3). <sup>4</sup> See 2020 Upgrade Order at paragraph 16.



dimensions of such tower or base station. Under Section 6409, to toll the review period, if the reviewing authority determines that the application is incomplete, it must provide written notice to the applicant within 30 days, which clearly and specifically delineates all missing documents or information reasonably related to whether the request meets the federal requirements.<sup>3</sup> Additionally, if a state or local government, fails to issue any approvals required for this request within 60 days, these approvals are deemed granted. The FCC has clarified that the 30-day and 60-day deadlines begins when an applicant: (1) takes the first step required under state or local law; and (2) submits information sufficient to inform the jurisdiction that this modification qualifies under the federal law<sup>4</sup>. Please note that with the submission of this letter and enclosed items, the thirty and sixty-day review periods have started. Based on this filing, the deadline for written notice of incomplete application is **June 11, 2025**, and the deadline for issuance of approval is **July 11, 2025**.

The proposed scope of work for this project includes:

*Collocation of antennas, ancillary equipment and ground equipment as per plans for a new carrier (AT&T Mobility) on an existing wireless communication facility.*

At the end of this letter is a checklist of the applicable substantial change criteria under Section 6409. Additionally, please find enclosed the following information in support of this request:

- (1) Eligible Facilities Request Applicant cover letter and narrative (see this document), with **Attachment “A,”** Section 6409 Substantial Change Checklist; **Attachment “B,”** Proposed Scope of Work; **Attachment “C,”** Photo of subject site; **Attachment “D,”** Location Map; **Attachment “E,”** Crown Castle authorization to submit permit applications;
- (2) City of Garden City Conditional Use Permit application form;
- (3) Compliance Statement and Statement of Intent;
- (4) Neighborhood Map;
- (5) Site Plan;
- (6) Construction drawings prepared by Telcyte dated 3/19/2025;
- (7) Photos of the site;
- (8) Neighborhood meeting verification – neighborhood meeting was held via Zoom on 4/29/2025;
- (9) Affidavit of Legal Interest;
- (10) Waiver Request of Application Materials – see below
- (11) Structural Documentation - Structural Analysis Report prepared by Morrison Hershfield dated 6/11/2024;
- (12) Ada County Assessor information; and
- (13) Warranty Deed.

Crown Castle requests a waiver for the following documents for this Conditional Use Permit application:

- A) Fire Flow/Ability to serve – this is not applicable to a 6409a application to modify a wireless facility
- B) Irrigation/Ditch company authorization letter – this is not applicable to a 6409a application to modify a wireless facility



C) Landscape Plan – this is not applicable as no landscaping is proposed as part of this project

As these documents indicate, (i) the modification involves the collocation, removal or replacement of transmission equipment; and (ii) such modification will not substantially change the physical dimensions of such tower or base station. As such, it is an “eligible facilities request” as defined in the FCC’s rules to which the 60-day deadline for approval applies. Accordingly, Applicant requests all authorization necessary for this proposed minor modification under Section 6409.

Our goal is to work with you to obtain approvals earlier than the deadline. We will respond promptly to any request for related information you may have in connection with this request. Please let us know how we can work with you to expedite the approval process. We look forward to working with you on this important project, which will improve wireless telecommunication services in your community using collocation on existing infrastructure. If you have any questions, please do not hesitate to contact me.

Regards,

*Gary Abrahams*

Gary Abrahams

GMA Network Services, LLC

Agent for Crown Castle USA Inc.



### Attachment "A"

#### Section 6409 Substantial Change Checklist Towers Outside of the Public Right of Way

The Federal Communications Commission has determined that a modification substantially changes the physical dimension of a wireless tower or base station under 47 U.S.C. § 1455(a) if it meets one of six enumerated criteria under 47 C.F.R. § 1.6100.

##### Criteria for Towers Outside the Public Rights of Way

YES/NO <b>NO</b>	Does the modification increase the height of the tower by more than the greater of: (a) 10% (b) or, the height of an additional antenna array plus separation of up to 20 feet from the top of the nearest existing antenna?
YES/NO <b>NO</b>	Does the modification add an appurtenance to the body of the tower that would protrude from the edge of the tower more than 20 feet or more than the width of the tower structure at the level of the appurtenance, whichever is greater?
YES/NO <b>NO</b>	Does the modification involve the installation of more than the standard number of new equipment cabinets for the technology involved or add more than four new equipment cabinets?
YES/NO <b>NO</b>	Does the modification entail any excavation or deployment outside the current site by more than 30 feet in any direction, not including any access or utility easements?
YES/NO <b>NO</b>	Does the modification defeat the concealment elements of the eligible support structure?
YES/NO <b>NO</b>	Does the modification violate conditions associated with the siting approval with the prior approval the tower or base station other than as specified in 47 C.F.R. § 1.6100(c)(7)(i) – (iv)?

If all questions in the above section are answered "NO," then the modification does not constitute a substantial change to the existing tower under 47 C.F.R. § 1.6100.



**Attachment "B"**

**PROPOSED SCOPE OF WORK FOR AT&T MOBILITY**

**8247 W. State Street, Garden City, Idaho 83714**

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**PROJECT DESCRIPTION**

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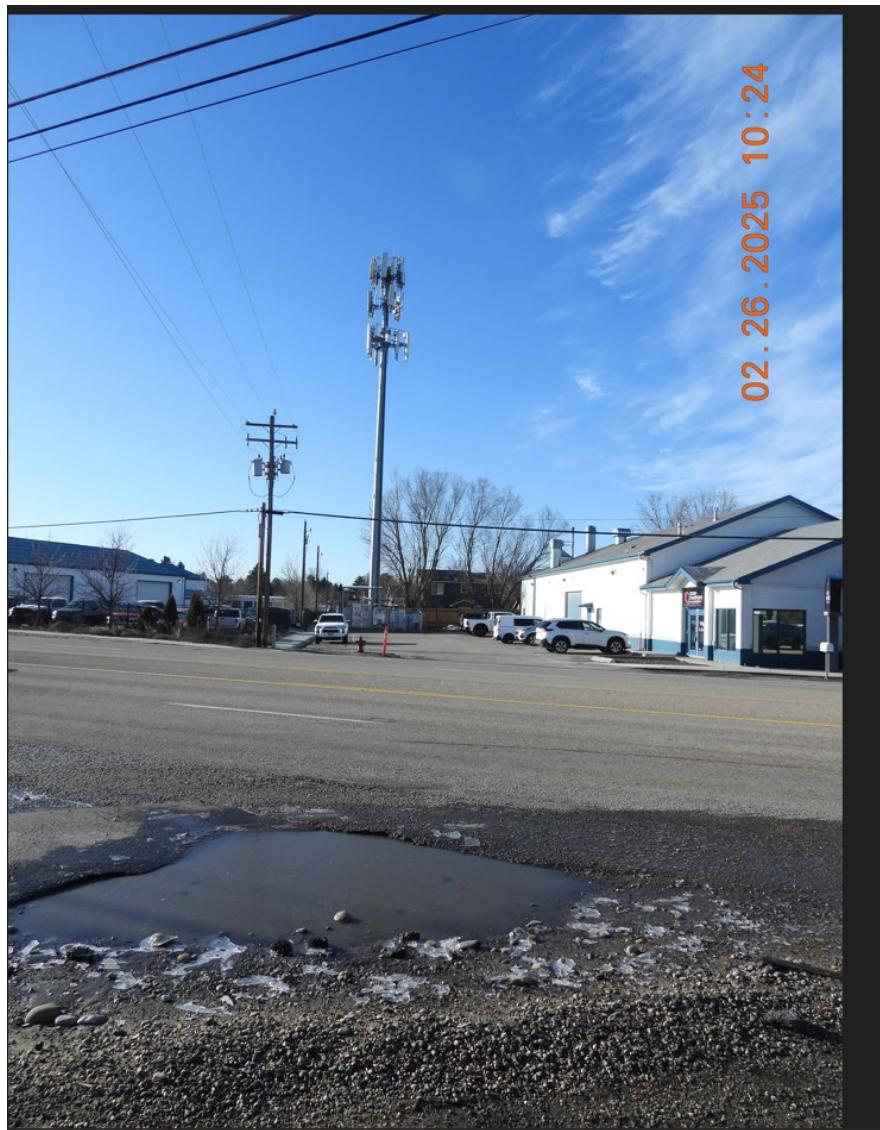
NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.

1. BRING POWER / FIBER TO SITE LOCATION
2. ADD AT&T APPROVED 6'X6' CONCRETE WALK IN CABINET (CWUC) & ASSOCIATED INTERIOR EQUIPMENT
3. ADD NEW COMPOUND FENCE
4. ADD (1) 30KW AC DIESEL GENERATOR
5. ADD (1) NEW GPS UNIT
6. ADD (3) VFA12-HD-WLL SECTOR MOUNTS ON (E) MONOPOLE
7. ADD (12) ANTENNAS, (4) PER SECTOR
8. ADD (9) RRHs, (3) PER SECTOR
9. ADD (3) DC9 SURGE SUPPRESSORS, (1) PER SECTOR
10. ADD (6) DC TRUNKS
11. ADD (3) FIBER TRUNKS



**Attachment "C"**

**PHOTO OF SUBJECT SITE**



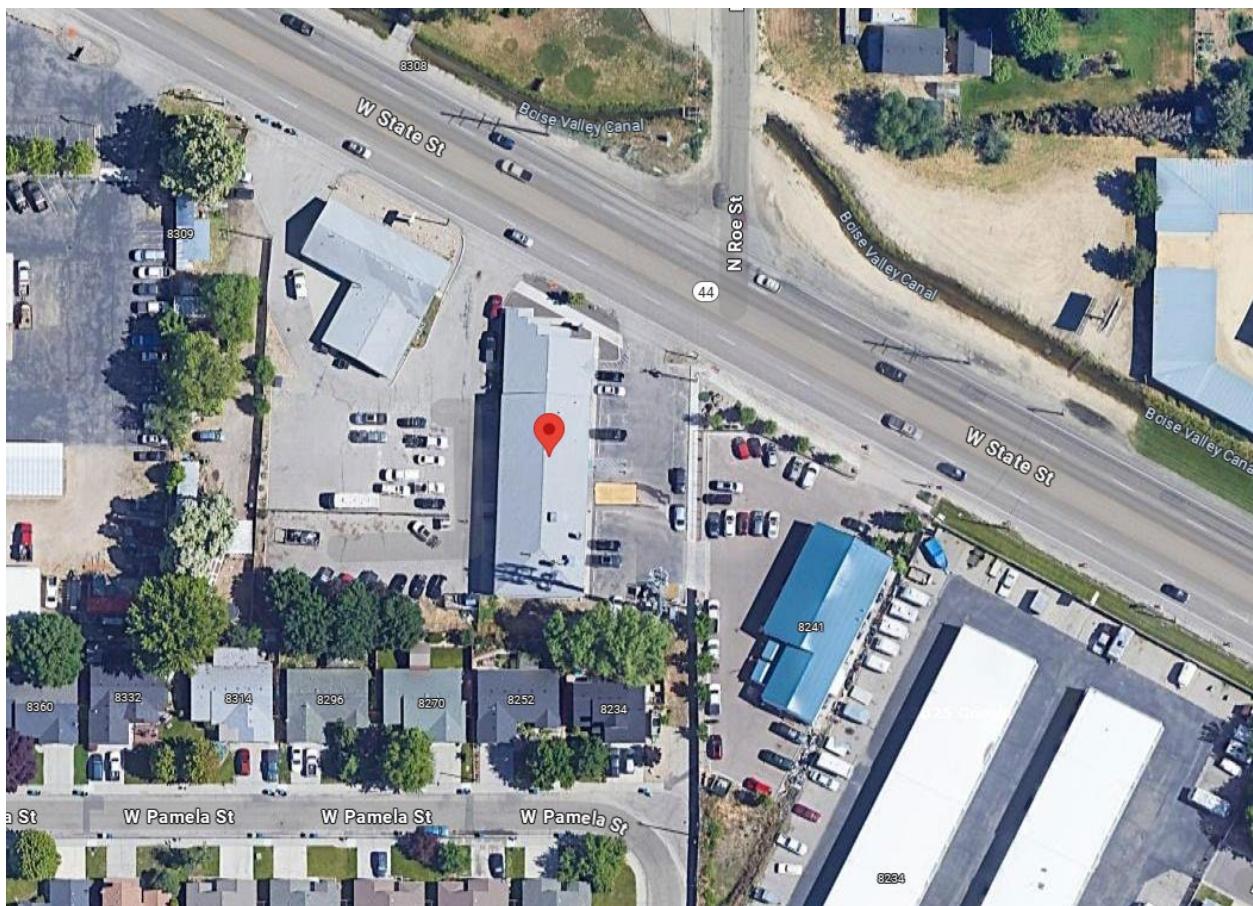
**The Foundation for a Wireless World**

[CrownCastle.com](http://CrownCastle.com)



**Attachment "D"**

**LOCATION MAP**





**Attachment "E"**

**AUTHORIZATION TO SUBMIT FOR PERMITS**



**Crown Castle**  
1505 Westlake Avenue North  
Suite 800  
Seattle, WA 98109

March 1, 2023

Re: Crown Castle – PNW  
Subject: Gary Abrahams – Authorized Consultant for Crown Castle

Dear Reviewing Parties:

This letter serves to notify you that Crown Castle has retained the services of Gary Abrahams as approved agent to submit application for and obtain local jurisdiction approvals including but not limited to zoning and building permits. This includes applicable permitting for any and all customers seeking to install or modify their equipment on Crown Castle towers.

Please feel free to contact me directly with any questions. Thank you for your expeditious processing of applications filed by Mr. Abrahams.

Sincerely,

*Kate Hanstrom*

Kate Hanstrom  
Site Acquisition Specialist  
[Kate.Hanstrom@crowncastle.com](mailto:Kate.Hanstrom@crowncastle.com)  
(309) 269-7254

May 12, 2025

Garden City Planning  
6015 Glenwood Street  
Garden City, Idaho 83714

**Subject: Compliance Statement and Statement of Intent-AT&T Mobility CUP application**

Dear Reviewing Parties:

AT&T Mobility is requesting conditional use permit approval to expand a current legal non-conforming use in the C-2 zone pursuant to Garden City Code § 8-1B-3. The existing facility was lawfully established through Conditional Use Permit 03-17-CU by Garden City on December 17, 2003. Garden City subsequently amended allowed uses in the C-2 zone that excluded Wireless Communication Facilities.

This letter is submitted as the Compliance Statement and Statement of Intent in consideration of the requirement by Garden City for a Design review and conditional use permit application.

Crown ID: BU: 824322  
Application ID: 665802 (AT&T Mobility)

Applicant: Crown Castle USA Inc. for AT&T Mobility

Preparer for Applicant: Gary Abrahams  
GMA Network Services, LLC  
For Crown Castle USA Inc.  
590 – 1<sup>st</sup> Ave. South, #705  
Seattle, WA 98104  
206-349-4279  
[Gary@GMAnetworkservices.com](mailto:Gary@GMAnetworkservices.com)

Property Owner: DB II LLC  
8247 W. State St.  
Garden City, ID 83714

Tower/Facility Owner: Global Signal Acquisitions IV LLC  
8247 W. State St.  
Garden City, ID 83714

Request: Conditional Use Permit approval to expand an existing legal non-conforming use, pursuant to Garden City Code 8-1B-3

Location: 8247 W. State St.  
Garden City, Idaho 83714

Parcel #: R0719420250

Zoning:

C-2 (General Commercial)

AT&T Mobility continues to expand and upgrade its wireless communications network to meet the public's demand for current and future technologies related to wireless services. AT&T Mobility proposes to install antennas and ancillary equipment at the 82-foot, 84-foot and 86-foot (rad centers) levels of the existing 118-foot monopole. AT&T Mobility also proposes to install one (1) walk-up-cabinet and one (1) emergency generator, both proposed to be slab-on-grade, in a new fenced compound surrounded by a new wood fence which complies with Garden City code. Detailed construction drawings are included with this application.

*§ 8-1B-3 NONCONFORMING USES:*

*A. A nonconforming use may continue as long as the use remains lawful and is not abandoned, expanded, or extended, subject to the following provisions:*

*1. Nonconforming uses, structures, or portions thereof that have been declared dangerous and not abated or are a chronic public nuisance as defined by Garden City code shall lose their nonconforming status for failure to act.*

**Response:** Not applicable as none of the aforementioned has been declared nor are they reasonably applicable to the facility.

*2. No existing use or structure containing a nonconforming use may be expanded in intensity or degree of use, enlarged, extended, constructed, reconstructed, moved, or structurally altered except: (a) through the approval of a conditional use permit in accord with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title; or (b) where the use of the structure is changed to a conforming use.*

**Response:** Not applicable. The applicant and parties to the applicant (the "Applicants") do not agree with Garden City staff's interpretation that the proposed collocation constitutes an expansion in intensity or degree of use, enlargement, or extension. The existing facility is a wireless facility that includes a tower and equipment compound. As such the proposed collocation does not change, enlarge or extend that use or facility. Additionally the proposed project is an Eligible Facilities Request. In order to move the project forward this application is submitted under protest in order to satisfy subsection (a) of this section. As such the Applicants have not agreed the proposal is not an Eligible Facility nor waive any rights or remedy under Federal Law including associated Order(s).

*3. A nonconforming use may be extended to occupy additional land area only through the approval of a conditional use permit in accordance with the procedures set forth in chapter 6, article B, "Specific Provisions", of this title.*

**Response:** AT&T Mobility has completed a design review process with Garden City under **#DSRFY2024-0017**. The conditional use permit application is submitted to satisfy City staff's interpretation and position for this subsection. The preceding response is incorporated by reference as it shares applicability to our position to this subsection as well.

*4. The nonconforming use shall be deemed to be abandoned and shall not be reestablished if the use of the property is changed. Conducting activity of another use on the property, commencing utility service for another use, or approval of an application to change the use of a property shall be considered change of use.*

**Response:** Not applicable. There is no proposed change of use.

*B. A nonconforming use may be changed only to a conforming use.*

**Response:** Not applicable. There is no proposed change of use.

*C. If a nonconforming use has ceased for twelve (12) consecutive months and not declared the intent to continue the nonuse of the use or improvements designed for the use, as defined by Idaho Code section [67-6538](#) and approved Garden City procedures, or has been replaced with a conforming use, the nonconforming use shall be deemed abandoned and shall not be reestablished. If a nonconforming use has ceased for ten (10) consecutive years the nonconforming use shall be deemed abandoned and shall not be reestablished regardless of declaration to continue the nonuse of the use or improvements designed for the use.*

**Response:** Not applicable. The legal non-conforming use has not ceased.

8-2C-46: **WIRELESS COMMUNICATION FACILITY:**

*A. Setback:*

*1. A wireless communication facility shall not be located closer than five thousand two hundred eighty feet (5,280') (1 mile) from an existing cellular tower.*

**Response:** Not applicable as a wireless communication facility as defined by the City's code is not proposed. § 8-7A-2 defines a Wireless Communication Facility as *(a) steel monopole, guywire tower, lattice tower or other similar structure designed to support directional antennas, parabolic dishes or antennas, microwave dishes; in addition to associated ground equipment and other similar equipment used in the*

*wireless communications industry.* The proposed collocation of antennas are to be attached to an **existing** legal non-conforming *Wireless Communication Facility*.

2. *In addition to the setbacks required for the base zoning district as set forth in section 8-2B-3, table 8-2B-2, "Form Standards In All Base Zoning Districts", of this chapter, a support tower for a wireless communication facility shall be set back one foot (1') for every ten feet (10') of the total tower height.*

**Response:** Not applicable as a new support tower is not proposed.

3. *All equipment shelters, cabinets or other on ground ancillary structures shall meet the setback requirements of the zone.*

**Response:** AT&T Mobility proposes to expand the fenced area to the west of the existing ground-based equipment to accommodate its equipment cabinet. The required minimum 5-foot setback to all property lines in the C-2 zone will be maintained.

- B. Height: The maximum height, including all antenna attachments shall be one hundred feet (100') in the C-1 zone and one hundred twenty five feet (125') in the LI zone.*

**Response:** Not applicable as the existing facility is not within a C-1 or LI zone. As previously stated, the proposed AT&T Mobility installation will be at an existing Wireless Communication Facility that was legally established in 2003.

Further, § 8-2B-3 (E)(2) exempts maximum height limitations as follows: *The maximum height limitations shall not apply to the following: fire and hose tower; power line tower; water tank or tower; windmill; wireless communication facility, or other commercial or personal tower and/or antenna structure; or other appurtenances usually required to be placed above the level of the ground and not intended for human occupancy [emphasis added in bold].*

- C. Collocation: No new towers shall be allowed unless there has been an analysis certified by a qualified engineer and specific to the site that collocation on an existing wireless communication facility is infeasible. Evidence to demonstrate that no existing facility can accommodate the proposed new facility may consist of any of the following:*

1. *No existing towers or structures are located within the geographic area required to meet the proposed facility's requirements;*
2. *Existing structures are not of sufficient height to meet the engineering requirements of the proposed structure;*

3. *Existing structures do not have sufficient structural strength to support the proposed antenna and/or equipment; or*
4. *The proposed antenna would cause electromagnetic interference with the antenna on existing structures, or the antenna on the existing structure would cause similar interference with the proposed antenna.*

**Response:** Not applicable as a new tower is not proposed.

*D. Site Design:*

1. *Tower facilities shall be landscaped with a buffer outside the perimeter of the compound in accordance with the standards set forth in subsection 8-4I-5C of this title.*

**Response:** No landscaping is proposed or required for this project. The AT&T Mobility equipment will be screened with a new wood fence.

2. *Materials, colors, textures and screening shall be used that blend the tower facility to the natural and built environment. Supporting electrical and mechanical equipment installed on the tower shall use colors that are similar to the tower.*

**Response:** All proposed AT&T Mobility tower-based equipment is factory painted.

3. *Except as required by the federal aviation administration (FAA) or the federal communications commission (FCC), transmission structures shall not be artificially lighted. Equipment shelters may use lighting consistent with the lighting standards set forth in section 8-4A-4, "Outdoor Lighting", of this title.*

**Response:** No new tower lighting is proposed as part of this application.

*E. Site Maintenance: A wireless communication facility that is no longer in use shall be completely removed and the site restored to its preexisting condition within six (6) months of the cessation of operation.*

**Response:** The proposed wireless communication facility will be removed within six months of the cessation of operation to the extent that any conflicting law or right that may conflict including legal remedy(s) is not waived should this unlikely event occur.

*F. Other Regulations Apply: The site and structure design shall be subject to review by the design committee and the process set forth in section 8-6B-3 of this title. (Ord. 898-08, 9-8-2008; and. Ord. 944-12, 5-14-2012)*

**Response:** This section is recognized notwithstanding pre-emptive law and ruling under the Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) and subsequent FCC Infrastructure Orders.

## **Conclusion**

The proposed EFR 6409a application for AT&T Mobility meets all requirements of the Garden City code.

Thank you in advance for your prompt review and approval of this application.

Sincerely,

Gary Abrahams  
GMA Network Services, LLC  
Agent for Crown Castle USA Inc.



Phone:  
www.crowncastle.com

May 12, 2025

CITY OF GARDEN CITY, ID  
Planning & Zoning  
6015 GLENWOOD STREET  
GARDEN CITY, ID 83714-1347

RE: Request for Minor Modification to Existing Wireless Facility – EFR -Section 6409

Site Address: 8247 W State Street, Garden City, ID 83714

Assessors Tax Parcel ID number: R0719420250

Crown Site Number: 824322 / Crown Site Name: GrdnCity\_Roe

Customer Site Number: IDL02365 / Application Number: 665802

**Affidavit of Legal Interest**

Dear City of Garden City,

The City of Garden City is requiring an Affidavit of Legal Interest for the Conditional Use Permit and Design Review permit applications for the proposed modifications at 8247 W. State Street, Garden City, ID (the “**Subject Property**”).

Attached hereto is the Affidavit of Legal Interest signed by Global Signal Acquisitions IV LLC appointing GMA Network Services as authorized representative to submit for permits (see **page 3** of this document).

The prior owner, Blynn Properties LLC (“**Blynn**”) signed a Wireless Communication Easement and Assignment Agreement dated August 18, 2010, with Unison, for a Communication Easement, which includes the Existing Agreements (as defined therein), for the property at 8247 W. State Street, Garden City, ID.

Blynn signed that First Amendment to Wireless Communication Easement and Assignment Agreement with Ulysses (as defined therein), which is successor-in-interest to Unison, dated March 16, 2016 (“**First Amendment**”) that appointed Ulysses as its Attorney-in-Fact, and which was executed by Robert Milter of Blynn. The First Amendment, Section 5, stipulates as follows:

**Attorney-in-fact.** *Site Owner hereby confirms, ratifies, acknowledges and affirms that pursuant to the Agreement, it irrevocably appointed Ulysses as its true and lawful attorney-in-fact, with full power of substitution and re-substitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Ulysses and as necessary to comply with applicable laws, statutes or regulations as set forth in Section 5 of the Agreement.*

Further, under the Assignment and Assumption of Easement Agreement dated October 3, 2019 (“**Easement**”), Ulysses assigned its respective interest in the Communication Easement, which affects that property previously owned by Blynn and now owned by DBII LLC via that vesting deed in 2020, to Global Signal Acquisitions IV LLC (“**Global**”). The Easement transferred the rights to act as Attorney-in-Fact per Section 5 of the First Amendment to Global.

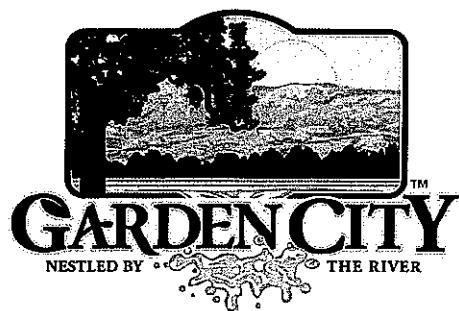


Phone:  
[www.crowncastle.com](http://www.crowncastle.com)

Based upon this documentation, Global has the authority to sign a letter of authorization, or Affidavit of Legal Interest, as the case may be, to submit for any required permits pertaining to the Subject Property.

Let me know if you have any questions.

Thanks,  
Gary Abrahams  
GMA Network Services, LLC  
Agent for Crown Castle USA Inc.



6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208 - 472-2921 • Fax 208 - 472-2926 •  
[www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Legal Interest

TY  
State of Idaho )  
Harris ) SS  
County of Ada )

I, Mandy Hebert, 8020 Hwy Freeway  
Name Address  
Hasten TX 77024  
City State and Zip

Being first duly sworn upon oath, depose and say:

1. That I am the record owner of the property described on the attached, and I grant my permission

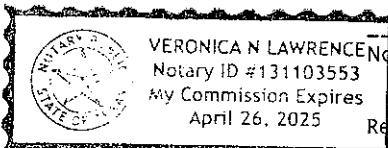
to GMA Network Services, 590-1st Ave S #705, Seattle, WA 98104  
Name Address  
to submit the accompanying application pertaining to that property.

2. I agree to indemnify, defend and hold the City of Garden City and its employees harmless from any claim or liability resulting from any dispute as to the statements contained herein or as to the ownership of the property which is the subject of the application.
3. I hereby grant permission to City of Garden City staff to enter the subject property for the purpose of site inspections related to processing said applications.

Dated this 12/19/24 19<sup>th</sup> day of December, 2024

Mandy Hebert  
Signature

Subscribed and sworn to before me the day and year first above written



VERONICA N LAWRENCE Notary Public for Idaho

Notary ID #131103553

My Commission Expires

April 26, 2025

Residing at:

Hasten, TX

My Commission expires

131103553 | 4/26/25



6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208-472-2921 • Fax 208-472-2926 •  
[www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Neighborhood Meeting

State of Idaho )  
                  )SS

County of Ada )

I, GARY Abrahams, 590 1st Ave. South  
Name (be full legal name) Seattle  
Address WA 98104

City

State and Zip

Being first duly sworn upon oath, depose and say:

1. That I provided the attached notice to all individuals owning property within 300' of 8247 W. State St. (project address) Garden City, Idaho.
2. The list of individuals that I sent the notice to include all entities that were on the 300' radius list provided by the city of Garden City.
3. I posted the site in accordance with the requirements found in Garden City Code 8-6A-7. B.1, affidavit thereof attached.
4. The location of the meeting was Via a Zoom call.
5. The date of the meeting was: 04-29-2025, a Monday, Tuesday, Wednesday, Thursday, or Friday (please circle the day of the week). (must be a weekday not less than 10 days ahead of this submittal and not more than three months ahead of this submittal).
6. The time of the meeting was: 6:00 pm. (must be between 5:30pm - 8:00pm)
7. I remained on site from 6:00 pm to 6:40 pm (must be on site a minimum of 30 minutes even if no one is in attendance).
8. The attached sign-in sheet includes all attendees.

Dated this 5th day of May, 2025.

Signature

Subscribed and sworn to before me the day and year first above written



Notary Public for Idaho WASHINGTON  
FK

Residing at:

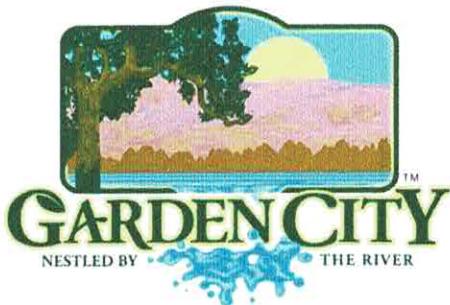
ISSAQAH, WA

My Commission expires

6/3/2028

### REQUIRED ATTACHMENTS

1. Neighborhood meeting notice
2. Affidavit of posting
3. Sign in sheet

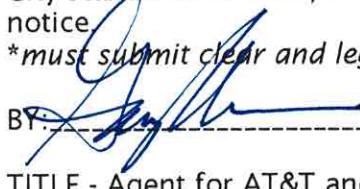


6015 Glenwood Street • Garden City, Idaho 83714  
Phone 208/472-2921 • Fax 208/472-2926 • [www.gardencityidaho.org](http://www.gardencityidaho.org)

## Affidavit of Property Posting

I, (name) Gary Abrahams do hereby attest that the property located at (site address) 8247 W. State Street, Garden City, Idaho, was posted on (date) 4/16/2025. This posting was for (application numbers) **DSRFY2024-0017 & DSRFY2025-0006**. The date of posting was no less than ten (10) days prior to the public hearing for which the application is to be heard in conformance with Section 8-6A-7 of the Garden City Code. The property was posted in compliance with Garden City standards of form, size, lettering, content, and placement for posting property for public notice.

*\*must submit clear and legible photos of the property posting with affidavit\**

BY:  Gary Abrahams

TITLE - Agent for AT&T and Dish

State of ~~Idaho~~ <sup>PK</sup> WASHINGTON

County of ~~Ada~~ <sup>PK</sup> KING

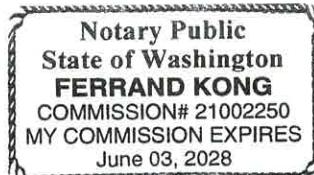
On this 5<sup>th</sup> day of MAY, 2025 (year), before me, the undersigned, a Notary Public in and for said State, personally appeared GARY M. ABRAHAMS (person responsible for posting) known or identified to me to be the person whose name is subscribed to be the foregoing instrument, and acknowledged to me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public for ~~Idaho~~ <sup>PK</sup> WASHINGTON

Residing at ISSAQAH, WA

Commission Expires: 6/3/2028



# NEIGHBORHOOD MEETING NOTICE FOR A PROJECT IN YOUR NEIGHBORHOOD

4/12/2025

To whom it may concern:

You are invited to a neighborhood meeting to discuss a project we are proposing near your property. The purpose of the meeting is to discuss the project, answer any questions, and listen to your feedback and suggestions.

**A NEIGHBORHOOD MEETING WILL BE HELD ON TUESDAY, APRIL 29, 2025 @ 6:00 PM  
TO DISCUSS PROPOSED MODIFICATIONS TO AN EXISTING WIRELESS FACILITY AT  
8247 W. STATE STREET, GARDEN CITY, ID 83714 (project file numbers and project  
descriptions below)**

**THE NEIGHBORHOOD MEETING WILL BE HELD VIA ZOOM AND CAN BE ACCESSED  
ON- LINE OR VIA PHONE AT THE LINKS BELOW:**

**TO JOIN ONLINE:**

<https://zoom.us/j/99855224236?pwd=0TKY1MaGhxFlWfv1OukbqmGEh6QqXs.1>

**Meeting ID: 998 5522 4236  
Passcode: 664870**

**TO JOIN VIA PHONE:**

**+1-253-205-0468  
Meeting ID: 998-5522-4236#  
Passcode: \*664870#**

If you would like to contact us ahead of the meeting, please feel free to reach us at 206-349-4279 or via email at [gary@gmanetworkservices.com](mailto:gary@gmanetworkservices.com).

To contact the Garden City Planning Dept., (please note the DRB number referenced below in any communication): [PLANNING@GARDENCITYIDAHO.ORG](mailto:PLANNING@GARDENCITYIDAHO.ORG) (also see form attached at the end of this notice)

We look forward to hearing from you. After the neighborhood meeting, this application will be scheduled for review with the city. This application's review with the City may take place as soon as 15 days after the neighborhood meeting. If you provided written comments to the city seven days prior to the applicant's consultation, your comments will be reviewed as part of the application. **Please note:** If you wish to be an interested party or have the ability to appeal you must notify the City in writing. The City will inform interested parties of any revised materials that are submitted. **You cannot appeal the application unless you have standing as prescribed in Idaho Code (Idaho Code 67-6521) and provide a written comment to the city seven days prior to the application's formal review with the City.**

Thank you,  
Gary Abrahams

For Crown Castle USA Inc., on behalf of AT&T Wireless and Dish Wireless, L.L.C

**AT&T Wireless proposes to collocate at this existing wireless facility:**

**AT&T City of Garden City DRB application #DSRFY2024-0017 (Design Review)**

**With the following scope of work:**

**NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.**

1. BRING POWER / FIBER TO SITE LOCATION
2. ADD AT&T APPROVED 6'X6' CONCRETE WALK IN CABINET (CWUC) & ASSOCIATED INTERIOR EQUIPMENT
3. ADD NEW COMPOUND FENCE
4. ADD (1) 30KW AC DIESEL GENERATOR
5. ADD (1) NEW GPS UNIT
6. ADD (3) VFA12-HD-WLL SECTOR MOUNTS ON (E) MONOPOLE
7. ADD (12) ANTENNAS, (4) PER SECTOR
8. ADD (9) RRHs, (3) PER SECTOR
9. ADD (3) DC9 SURGE SUPPRESSORS, (1) PER SECTOR
10. ADD (6) DC TRUNKS
11. ADD (3) FIBER TRUNKS

**Dish Wireless, L.L.C. proposes to also collocate at this existing wireless facility:**

**Dish Wireless City of Garden City DRB application #DSRFY2025-0006 (Design Review)**

**With the following scope of work:**

**THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:**

**TOWER SCOPE OF WORK:**

- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (3) PROPOSED SECTOR MOUNTS (1 PER SECTOR)
- INSTALL (6) PROPOSED RRUs (2 PER SECTOR)
- INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)
- INSTALL (1) PROPOSED HYBRID CABLE
- INSTALL (1) PROPOSED JUMPER

**GROUND SCOPE OF WORK:**

- INSTALL WOODEN FENCED COMPOUND
- INSTALL (1) PROPOSED EQUIPMENT PAD
- INSTALL (1) PROPOSED ICE BRIDGE
- INSTALL (1) PROPOSED PPC
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS UNIT
- INSTALL (1) PROPOSED TECH LIGHT
- INSTALL (1) PROPOSED FIBER NID (IF REQUIRED)
- INSTALL (1) PROPOSED 200A METER

If you wish to be an interested party or may wish to appeal the City's decision, please provide the City with the following information via email: [planning@gardencityidaho.org](mailto:planning@gardencityidaho.org).

Or mail to:

**Attn: Development Services Department  
6015 N Glenwood St  
Garden City, ID 83714.**

File Number: \_\_\_\_\_

I wish to be an interested party:  Yes  No

I wish to have the ability to appeal:  Yes  No

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Physical Address: \_\_\_\_\_

Which elements are of concern:

Massing  Architectural elements  Connectivity  
 Landscaping  Water features  Site layout  
 Other: \_\_\_\_\_

Please elaborate:

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Signature

---

Date

Clinton McCaleb  
12862 N. 10<sup>th</sup> Ave.  
Boise, ID 83714 - 0000

Kimberly Jean Elder  
8252 W. Pamela St.  
Garden City, ID 83714- 0000

MHC Shenandoah Estates LLC  
917 W. Washington MS 316  
Chicago, IL 60607 - 0000

Murdock Taylor Lee David  
1446 Caravan St  
Kuna, ID 83634-0000

Judith A Henry  
8270 W Pamela St.  
Boise, ID 83714- 0000

RL Properties LP  
9839 W Cable Car St. Ste. 101  
Boise, ID 83709 - 0000

David Hatfield  
1464 E Territory Dr.  
Meridian, ID 83646 - 6547

Michael W. Sommer  
8279 W. Pamela St.  
Garden City, ID 83714 - 0000

DBII LLC  
9884 Stony Brook Way  
Middleton, ID 83644-0000

Shelly J. Hatch  
2804 S. Blackspur Way  
Meridian, ID 83642 - 0000

Jeffrey Stevenson  
8314 W. Pamela St.  
Garden City, ID 83714 - 0000

8309 W. State Street LLC  
PO Box 1281  
Eagle, ID 83616 - 0000

State of Idaho (Dept. of Lands)  
300 N. 6<sup>th</sup> St.  
Boise, ID 83702 - 0000

Leslie Renee Dunn  
8315 W. Pamela St.  
Garden City, ID 83714 - 0000

HFP REDLEG 12 LLC  
PO Box 140111  
Garden City, ID 83714 - 0000

Charles Ray Peterson  
307 E 680 North  
Lindon, UT 84042-0000

Andrea Chu  
8332 W Pamela St.  
Garden City, ID 83714 - 0000

SI Five LLC  
PO Box 140337  
Boise, ID 83714 - 0000

John W. Biss  
499 S Meridian Rd  
Meridian, ID 83642 - 0000

Gerard J Halpin  
8333 W Pamela St.  
Garden City, ID 83714-0000

Gary Abrahams  
590 – 1<sup>st</sup> Ave. South, #705  
Seattle, WA 98104

LLV II LLC  
5321 W Hidden Springs Dr.  
Boise, ID 83714 - 0000

Laird Lyons Family Trust  
8351 W Pamela St.  
Garden City, ID 83714 - 0000

Mariia Antonova  
Assistant Planner  
City of Garden City, Dev. Services  
6015 Glenwood St.  
Garden City, ID 83714

Larry D Carroll  
8151 W Kerry St.  
Boise, ID 83714-0000

State of Idaho (Dept. of Forestry)  
8355 W. State St.  
Boise, ID 83714 - 6071

Emily Marie LaFrance  
8234 W Pamela St.  
Garden City, ID 83714 - 0000

Morgan Daniel  
8360 W. Pamela St.  
Garden City, ID 83714 - 0000

PRIMOWNER	ADDCONCAT	STATCONCAT
MCCALEB CLINTON	12862 N 10TH AVE	BOISE, ID 83714-0000
MURDOCK TAYLOR LEE DAVID	1446 W CARAVAN ST	KUNA, ID 83634-0000
HATFIELD DAVID	1464 E TERRITORY DR	MERIDIAN, ID 83646-6547
HATCH SHELLEY J	2804 S BLACKSPUR WAY	MERIDIAN, ID 83642-0000
STATE OF IDAHO (DEPT OF LANDS)	300 N 6TH ST	BOISE, ID 83702-0000
PETERSON CHARLES RAY	307 E 680 N	LINDON, UT 84042-0000
BISS JOHN W	499 S MERIDIAN RD	MERIDIAN, ID 83642-0000
LLV II LLC	5321 W HIDDEN SPRINGS DR	BOISE, ID 83714-0000
CARROLL LARRY D	8151 W KERRY ST	BOISE, ID 83714-0000
LAFRANCE EMILY MARIE	8234 W PAMELA ST	GARDEN CITY, ID 83714-0000
ELDER KIMBERLEY JEAN	8252 W PAMELA ST	GARDEN CITY, ID 83714-0000
HENRY JUDITH A	8270 W PAMELA ST	BOISE, ID 83714-0000
SOMMER MICHAEL W	8279 W PAMELA ST	GARDEN CITY, ID 83714-0000
STEVENSON JEFFREY	8314 W PAMELA ST	GARDEN CITY, ID 83714-0000
DUNN LESLIE RENEE	8315 W PAMELA ST	GARDEN CITY, ID 83714-0000
CHU ANDREA	8332 W PAMELA ST	GARDEN CITY, ID 83714-0000
HALPIN GERARD J	8333 W PAMELA ST	GARDEN CITY, ID 83714-0000
LAIRD LYONS FAMILY TRUST 04/12/2023	8351 W PAMELA ST	GARDEN CITY, ID 83714-0000
STATE OF IDAHO (DEPT OF FORESTRY)	8355 W STATE ST	BOISE, ID 83714-6071
DANIEL MORGAN	8360 W PAMELA ST	GARDEN CITY, ID 83714-0000
MHC SHENANDOAH ESTATES LLC	917 W WASHINGTON MS 316	CHICAGO, IL 60607-0000
RL PROPERTIES LP	9839 W CABLE CAR ST STE 101	BOISE, ID 83709-0000

DBII LLC	9884 STONY BROOK WAY	MIDDLETON, ID 83644-0000
8309 W STATE STREET LLC	PO BOX 1281	EAGLE, ID 83616-0000
HFP REDLEG 12 LLC	PO BOX 140111	GARDEN CITY, ID 83714-0000
SI FIVE LLC	PO BOX 140337	BOISE, ID 83714-0000

# Neighborhood Meeting Sign-in Sheet Template

Day: Tuesday

Date: 4/29/2025

Time: 6:00 PM

## Project Synopsis:

AT&T proposes to install ground based equipment, including a walk-in-cabinet, at the base of the monopole. AT&T will install antennas and associated equipment on the monopole. Dish proposes to install ground based equipment, including (1) equipment cabinet, at the base of the monopole. Dish will install antennas and associated equipment on the monopole. Both projects require a CUP.

## NEIGHBORHOOD MEETING NOTICE

TUESDAY APRIL 29, 2025 @6:00PM

TO BE HELD ONLINE VIA ZOOM, AT THE FOLLOWING LINK  
[HTTPS://ZOOM.US/J/99855224236?pwd=OTKyMAGHXfLWVf10kB0MGEh6Q0xsI](https://zoom.us/j/99855224236?pwd=OTKyMAGHXfLWVf10kB0MGEh6Q0xsI) OR CALL 253-205-0468

MEETING ID: 998-5522-4236# PASSCODE: 664870#  
MEETING IS TO DISCUSS TWO (2) PROPOSED  
WIRELESS PROJECTS AT 8247 W. STATE STREET, GARDEN CITY, ID  
AT&T DRB #DSRFY2024-0017  
DISH WIRELESS, L.L.C. DRB# DSRFY2025-0006  
FOR QUESTIONS: APPLICANT: GARY ABRAHAMS, FOR  
CROWN CASTLE, 206-349-4279,  
OR GARDEN CITY: PLANNING@GARDEN CITY IDAHO.ORG



# NEIGHBORHOOD MEETING NOTICE

TUESDAY:APRIL 29, 2025 @6:00PM

TO BE HELD ONLINE VIA ZOOM,AT THE FOLLOWING LINK  
[HTTPS://ZOOM.US/J/99855224236?PWD=OTKy1MAGHXFLWfV10UKBQMGEH6Q0QXS.1](https://zoom.us/j/99855224236?pwd=OTKy1MAGHXFLWfV10UKBQMGEH6Q0QXS.1) OR CALL 253-205-0468

MEETING ID:998-5522-4236# PASSCODE:664870#

NEIGHBORHOOD MEETING IS TO DISCUSS TWO (2) PROPOSED  
WIRELESS PROJECTS AT 8247 W. STATE STREET,GARDEN CITY, ID  
AT&T DRB #DSRFY2024-0017

DISH WIRELESS, L.L.C. DRB# DSRFY2025-0006

FOR QUESTIONS : APPLICANT: GARY ABRAHAMS, FOR  
CROWN CASTLE, 206-349-4279,

OR GARDEN CITY: PLANNING@GARDENCITYIDAHO.ORG

02 . 26 . 2025 1



02 . 26 . 2025 1



02.26.2025 1



02.26.2025.1



02 . 26 . 2025 1





**at&t  
Mobility**

**SITE NUMBER: IDL02365**  
**SITE NAME: NW BOISE CITY**  
**FA#: 15201834**  
**USID: 310862**

**8247 W STATE STREET  
BOISE, ID 83714**

## JURISDICTION: ADA COUNTY

# SITE TYPE: MONOPOLE / WUC

**GENERAL CONSTRUCTION NOTES:****GENERAL CONSTRUCTION**

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
  - GENERAL CONTRACTOR: T.B.D.
  - CONTRACTOR: T.B.D.
  - OWNER: AT&T
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
3. GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
14. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
15. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
16. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
17. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
21. THE GENERAL CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OT 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.

22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER AND RF. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.

23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.

24. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.

25. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.

26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

27. THE SUBLGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPAKTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.

28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.

29. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.

30. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.

31. CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.

32. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).

33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.

34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.

35. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

36. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.

37. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

38. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

39. NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.

40. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

**ANTENNA MOUNTING**

41. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANSI/TIA-222 OR APPLICABLE LOCAL CODES.

42. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS NOTED OTHERWISE.

43. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS NOTED OTHERWISE.

44. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.

45. ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER'S RECOMMENDATIONS.

46. CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND GROUNDING.

47. ALL UNUSED PORTS ON ANY ANTENNA SHALL BE COVERED WITH CONCEALOR CAP WITH PROPER WEATHER PROOFING OR BE TERMINATED WITH A 50 Ω LOAD.

48. PRIOR TO SETTING ANTENNA AZIMUTHS AND DOWNTILTS, ANTENNA CONTRACTOR SHALL CHECK THE ANTENNA MOUNT FOR TIGHTNESS AND ENSURE THAT THEY ARE PLUMB. ANTENNA AZIMUTHS SHALL BE SET FROM TRUE NORTH AND BE ORIENTED WITHIN +/- 5° AS DEFINED BY THE RFDS. ANTENNA DOWNTILTS SHALL BE WITHIN +/- 0.5° AS DEFINED BY THE RFDS. REFER TO ND-00246.

49. JUMPERS WHERE REQUIRED MUST TERMINATE TO OPPOSITE POLARIZATION'S IN EACH SECTOR.

50. CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND POSITION OF EACH AT&T COMPONENT

51. TMA'S SHALL BE MOUNTED ON PIPE DIRECTLY BEHIND ANTENNAS AS CLOSE TO ANTENNA AS FEASIBLE IN A VERTICAL POSITION (IF REQUIRED).

**TORQUE REQUIREMENTS**

52. ALL RF CONNECTIONS SHALL BE TIGHTENED BY A TORQUE WRENCH.

53. ALL RF CONNECTIONS, GROUNDING HARDWARE AND ANTENNA HARDWARE SHALL HAVE A TORQUE MARK INSTALLED IN A CONTINUOUS STRAIGHT LINE FROM BOTH SIDES OF THE CONNECTION.

A. RF CONNECTION BOTH SIDES OF THE CONNECTOR.

B. GROUNDING AND ANTENNA HARDWARE ON THE NUT SIDE STARTING FROM THE THREADS TO THE SOLID SURFACE. EXAMPLE OF SOLID SURFACE: GROUND BAR, ANTENNA BRACKET METAL.

54. ALL 8M ANTENNA HARDWARE SHALL BE TIGHTENED TO 9 LB-FT (12 NM).

55. ALL 12M ANTENNA HARDWARE SHALL BE TIGHTENED TO 43 LB-FT (58 NM).

56. ALL GROUNDING HARDWARE SHALL BE TIGHTENED UNTIL THE LOCK WASHER COLLAPSES AND THE GROUNDING HARDWARE IS NO LONGER LOOSE.

57. ALL DIN TYPE CONNECTIONS SHALL BE TIGHTENED TO 18-22 LB-FT (24.4 - 29.8 NM).

58. ALL N TYPE CONNECTIONS SHALL BE TIGHTENED TO 15-20 LB-IN (1.7 - 2.3 NM).

**FIBER & POWER CABLE MOUNTING**

59. THE FIBER OPTIC TRUNK CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY. WHEN INSTALLING FIBER OPTIC TRUNK CABLES INTO A CABLE TRAY SYSTEM, THEY SHALL BE INSTALLED INTO AN INTER DUCT AND A PARTITION BARRIER SHALL BE INSTALLED BETWEEN THE 600 VOLT CABLES AND THE INTER DUCT IN ORDER TO SEGREGATE CABLE TYPES. OPTIC FIBER TRUNK CABLES SHALL HAVE APPROVED CABLE RESTRAINTS EVERY (6) SIX FEET AND SECURELY FASTENED TO THE CABLE TRAY SYSTEM. NFPA 70 (NEC) ARTICLE 770 RULES SHALL APPLY.

60. THE TYPE TC-ER CABLES SHALL BE INSTALLED INTO CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY AND SHALL BE SECURED AT INTERVALS NOT EXCEEDING (6) SIX FEET. AN EXCEPTION: WHERE TYPE TC-ER CABLES ARE NOT SUBJECT TO PHYSICAL DAMAGE, CABLES SHALL BE PERMITTED TO MAKE A TRANSITION BETWEEN CONDUITS, CHANNEL CABLE TRAYS, OR CABLE TRAY WHICH ARE SERVING UTILIZATION EQUIPMENT OR DEVICES, A DISTANCE (6) SIX FEET SHALL NOT BE EXCEEDED WITHOUT CONTINUOUS SUPPORTING. NFPA 70 (NEC) ARTICLES 336 AND 392 RULES SHALL APPLY.

61. WHEN INSTALLING OPTIC FIBER TRUNK CABLES OR TYPE TC-ER CABLES INTO CONDUITS, NFPA 70 (NEC) ARTICLE 300 RULES SHALL APPLY.

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

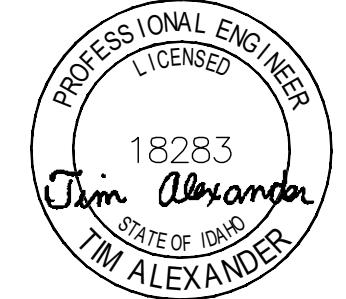
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
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1	01/10/22	CLIENT REVISIONS
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3	12/08/22	JDX COMMENTS
4	01/14/23	CLIENT COMMENTS
5	07/18/24	CLIENT COMMENTS
6	08/19/24	CLIENT COMMENTS
7	01/14/25	CLIENT COMMENTS
8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:  
  
SIGNED, 19 MAR 2025  
EXPIRES, 28 FEB 2027

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SHEET TITLE:  
**GENERAL NOTES**  
SHEET NUMBER:  
**GN-1**

GENERAL CONSTRUCTION NOTES CONTINUED:

COAXIAL CABLE NOTES

62. TYPES AND SIZES OF THE ANTENNA CABLE ARE BASED ON ESTIMATED LENGTHS. PRIOR TO ORDERING CABLE, CONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY THE PROJECT MANAGER IF ACTUAL LENGTHS EXCEED ESTIMATED LENGTHS.
63. CONTRACTOR SHALL VERIFY THE DOWN-TILT OF EACH ANTENNA WITH A DIGITAL LEVEL.
64. CONTRACTOR SHALL CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO "ANTENNA SYSTEM LABELING STANDARD" ND-00027 LATEST VERSION.
65. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAXIAL CABLES, CONNECTORS, ANTENNAS, AND ALL OTHER EQUIPMENT.
66. CONTRACTOR SHALL WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF AMALGAMATING TAPE. WEATHERPROOFING SHALL BE COMPLETED IN STRICT ACCORDANCE WITH AT&T STANDARDS..

GENERAL CABLE AND EQUIPMENT NOTES

70. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ANTENNA, TMAS, DIPLEXERS, AND COAX CONFIGURATION, MAKE AND MODELS PRIOR TO INSTALLATION.
71. ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER'S RECOMMENDATIONS.
72. CONTRACTOR SHALL REFERENCE THE TOWER STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.
73. ALL OUTDOOR RF CONNECTORS/CONNECTIONS SHALL BE WEATHERPROOFED, EXCEPT THE RET CONNECTORS, USING BUTYL TAPE AFTER INSTALLATION AND FINAL CONNECTIONS ARE MADE. BUTYL TAPE SHALL HAVE A MINIMUM OF ONE-HALF TAPE WIDTH OVERLAP ON EACH TURN AND EACH LAYER SHALL BE WRAPPED THREE TIMES. WEATHERPROOFING SHALL BE SMOOTH WITHOUT BUCKLING. BUTYL BLEEDING IS NOT ALLOWED. SELF BONDING TAPE AND PLASTIC ENCLOSURES ALSO PERMITTED PER ATT-002-290-041 SECTION 7.
74. IF REQUIRED TO PAINT ANTENNAS AND/OR COAX:  
 A. TEMPERATURE SHALL BE ABOVE 50° F.  
 B. PAINT COLOR MUST BE APPROVED BY BUILDING OWNER/LANDLORD.  
 C. FOR REGULATED TOWERS, FAA/FCC APPROVED PAINT IS REQUIRED.  
 D. DO NOT PAINT OVER COLOR CODING OR ON EQUIPMENT MODEL NUMBERS.
76. ALL PROPOSED GROUND BAR DOWNLEADS ARE TO BE TERMINATED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4'-0" BELOW GROUND BAR. TERMINATIONS MAY BE EXOTHERMIC OR COMPRESSION.
77. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ANTENNA AND THE COAX CONFIGURATION IS THE CORRECT MAKE AND MODELS, PRIOR TO INSTALLATION.
78. ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER TOWER MANUFACTURER'S SPECIFICATION & RECOMMENDATIONS.
79. ANTENNA CONTRACTOR SHALL FURNISH AND INSTALL A 12'-0" T-BOOM SECTOR ANTENNA MOUNT, IF APPLICABLE, INCLUDING ALL HARDWARE.

DRAWING ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	LF	LINEAR FEET
AGL	ABOVE GRADE LEVEL	MAX	MAXIMUM
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL
AC	AIR CONDITIONING	MFR	MANUFACTURER
APPROX	APPROXIMATELY	MGR	MANAGER
AZ	AZIMUTH	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
CM	CONSTRUCTION MANAGER	MTL	METAL
CAB	CABINET	MW	MICROWAVE
CL	CENTERLINE	NEC	NATIONAL ELECTRICAL CODE
CLG	CEILING	NIC	NOT IN CONTRACT
CLR	CLEAR	NTS	NOT TO SCALE
CO	COPPER	N/A	NOT APPLICABLE
CONC	CONCRETE	OC	ON CENTER
COND	CONDUIT	OD	OUTSIDE DIAMETER
CONST	CONSTRUCTION	OP	OVERHEAD POWER
CONT	CONTINUOUS	OT	OVERHEAD FIBER
D/C	DRAFTER/CHECKER	OPP	OPPOSITE
DEMO	DEMOLISH	PL	PROPERTY LINE
DIA OR Ø	DIAMETER	PLYWD	PLYWOOD
DIM	DIMENSION	PM	PROJECT MANAGER
DN	DOWN	PROJ	PROJECT
DTL	DETAIL	PROP	PROPERTY
DWG	DRAWING	PT	PRESSURE TREATED
EA	EACH	RF	RADIO-FREQUENCY
ELECT	ELECTRICAL	RO	ROUGH OPENING
ELEV	ELEVATION	ROW	RIGHT OF WAY
EQ	EQUAL	RRU	REMOTE RADIO UNIT
EQUIP	EQUIPMENT	REQ	REQUIRED
EXT	EXTERIOR	SBTC	SOLID BARE TINNED COPPER
FIN	FINISH	SF	SQUARE FEET
FLR	FLOOR	SHT	SHEET
FRP	FIBERGLASS REINFORCED POLYMER	SPEC	SPECIFICATION
FT	FOOT, FEET	SQ	SQUARE
GA	GAUGE	SS	STAINLESS STEEL
GALV	GALVANIZED	STL	STEEL
GC	GENERAL CONTRACTOR	STRUCT	STRUCTURE, STRUCTURAL
GLB	GLULAM BEAM	TOC	TOP OF CONCRETE
GWB	GYPSUM WALL BOARD	TOM	TOP OF MASONRY
GR	GRADE	THRU	THROUGH
GRND	GROUND	TYP	TYPICAL
HVAC	HEATING/VENTING/AIR CONDITIONING	UBC	UNIFORM BUILDING CODE
HORIZ	HORIZONTAL	UG	UNDERGROUND
HT	HEIGHT	UNO	UNLESS NOTED OTHERWISE
IBC	INTERNATIONAL BUILDING CODE	UP	UNDERGROUND POWER
ID	INSIDE DIAMETER	UF	UNDERGROUND FIBER
IN	INCH	VIF	VERIFY IN FIELD
INSUL	INSULATION	VERT	VERTICAL
INT	INTERIOR	WP	WATERPROOF
JBOX	JUNCTION BOX	W/	WITH
LB(S) OR #	POUND(S)	W/O	WITHOUT

LEGEND

EXOTHERMIC CONNECTION  
 MECHANICAL CONNECTION  
 CHEMICAL ELECTROLYTIC GROUNDING SYSTEM  
 TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM

EXOTHERMIC WITH INSPECTION SLEEVE

GROUNDING BAR

GROUND ROD

TEST GROUND ROD WITH INSPECTION SLEEVE

SINGLE POLE SWITCH

DUPLEX RECEPTACLE

DUPLEX GFCI RECEPTACLE

FLUORESCENT LIGHTING FIXTURE

SMOKE DETECTION (DC)

EMERGENCY LIGHTING (DC)

SECURITY LIGHT W/PHOTOCELL

CHAIN LINK FENCE

WOOD/WROUGHT IRON FENCE

WALL STRUCTURE

LEASE AREA

PROPERTY LINE (PL)

SETBACKS

ICE BRIDGE

CABLE TRAY

WATER LINE

UNDERGROUND POWER

UNDERGROUND TELCO

OVERHEAD POWER

OVERHEAD TELCO

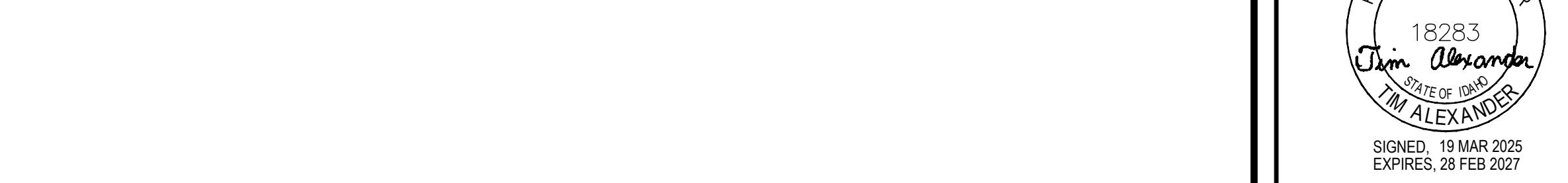
UNDERGROUND TELCO/POWER

ABOVE GROUND POWER

ABOVE GROUND TELCO

ABOVE GROUND TELCO/POWER

LENSOR:



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SHEET TITLE: GENERAL NOTES  
 SHEET NUMBER: GN-2

AT&T Site ID:  
 IDL02365  
 8247 W STATE STREET  
 BOISE, ID 83714

Tower Owner:  
  
 2055 SOUTH STEARMAN DRIVE  
 CHANDLER, AZ 85284

PREPARED FOR:  
  
 7670 S. CHESTER ST.  
 CENTENNIAL, CO 80112

A&E:  
  
 3450 N HIGLEY RD - SUITE 102,  
 MESA, AZ 85215

AT&T SITE NO: IDL02365  
 BU NO: 824322  
 DRAWN BY: NP  
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8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

SIGNED: 19 MAR 2025  
 EXPIRES: 28 FEB 2027

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Issued For: 3/19/25  
 PRELIMINARY CD'S

SHEET TITLE: GENERAL NOTES  
 SHEET NUMBER: GN-2

## GENERAL SITE WORK & DRAINAGE NOTES:

### PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

#### 1.1 REFERENCES:

- A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
- B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
- C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

#### 1.2 INSPECTION AND TESTING:

- A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.
- B. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

#### 1.3 SITE MAINTENANCE AND PROTECTION:

- A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
- B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
- C. KEEP SITE FREE OF ALL PONDING WATER.
- D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
- E. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
- F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
- 1. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

### PART 2 - PRODUCTS

- 2.1 SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III OR IVA) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.2 NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE. FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95. FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.
- 2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).
- 2.6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.
- 2.7 UNSUITABLE MATERIAL: HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.
- 2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR ENGINEERED APPROVED EQUAL.

2.9 PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.

### PART 3 - EXECUTION

#### 3.1 GENERAL:

- A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
- B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
- C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
- 1. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
- 2. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.
- 3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.

- A. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
- B. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
- C. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.

#### 3.2 BACKFILL:

- A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
- 1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
- 2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
- 3. WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.

- B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

#### 3.3 TRENCH EXCAVATION:

- A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
- B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
- C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.

#### 3.4 TRENCH BACKFILL:

- A. PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
- B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
- C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
- D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
- E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
- F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
- G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

#### 3.5 AGGREGATE ACCESS ROAD:

- A. CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL. ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.
- B. THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.
- C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500X) SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.
- 1. OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.
- 2. TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.
- 3. ALL OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET.
- D. THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCH (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO COMPACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE FABRIC.
- E. THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A PNEUMATIC-TIRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.
- 3.6 FINISH GRADING:
- A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
- B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
- C. ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" - 3/4" CRUSHED STONE ON TOP SOIL STABILIZER FABRIC.
- D. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

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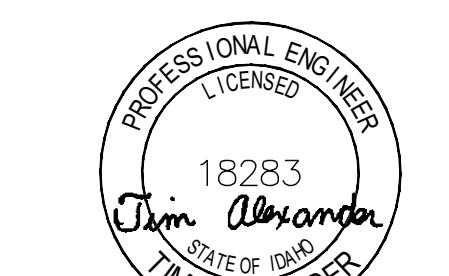
Tower Owner:  
  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
  
3450 N HIGLEY RD - SUITE 102,  
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18283  
Tim Alexander  
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T.M. ALEXANDER  
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SHEET TITLE:  
GENERAL NOTES

SHEET NUMBER:  
GN-3

**GENERAL CONCRETE WORK NOTES:****PART 1 - GENERAL****1.1 SCOPE:**

- A. FORM WORK, REINFORCING STEEL, ACCESSORIES, CAST-IN PLACE CONCRETE, FINISHING, CURING AND TESTING FOR STRUCTURAL CONCRETE FOUNDATIONS.
- 1.2 REFERENCES:

  - A. ACI (AMERICAN CONCRETE INSTITUTE)
  - 1. ACI 301 SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS.
  - 2. ACI 304 RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE.
  - 3. ACI 305 RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING.
  - 4. ACI 306 RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING.
  - 5. ACI 308 STANDARD PRACTICE FOR CURING CONCRETING.
  - 6. ACI 309 STANDARD PRACTICE FOR CONSOLIDATION OF CONCRETE.
  - 7. ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
  - 8. ACI 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.
  - B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS). THE APPLICABLE STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS ARE LISTED IN THE ACI STANDARDS AND ARE A PART OF THIS SPECIFICATION.

**PART 2 - PRODUCTS****2.1 REINFORCING MATERIALS:**

- A. REINFORCING BARS: ASTM A615, GRADE 60, PROPOSED DEFORMED BILLET-STEEL BARS, PLAIN FINISH.
- B. FURNISH CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS AS REQUIRED FOR SUPPORT OF REINFORCING STEEL AND WIRE FABRIC.

**2.2 CONCRETE MATERIALS:**

- A. PORTLAND CEMENT SHALL BE TYPE II, CONFORMING TO ASTM C-150.
- B. AGGREGATE SHALL CONFORM TO ASTM C-33.
- 1. FINE AGGREGATE SHALL BE UNIFORMLY GRADED, CLEAN SHARP, WASHED NATURAL, OR CRUSHED SAND, FREE FROM ORGANIC IMPURITIES.
- 2. COARSE AGGREGATE SHALL BE NATURAL WASHED GRAVEL OR WASHED CRUSHED ROCK HAVING HARD, STRONG, DURABLE PIECES, FREE FROM ADHERENT COATINGS.
- 3. MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 3/4 INCH IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C-33 GRADATION SIZE NO. 67.
- C. WATER USED IN CONCRETE MIX SHALL BE POTABLE, CLEAN, AND FREE FROM OILS, ACIDS, SALTS, CHLORIDES, ALKALI, SUGAR, VEGETABLE, OR OTHER INJURIOUS SUBSTANCES.
- D. THE CONCRETE SHALL CONTAIN AN AIR-ENTRAINING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C-260 AND ACI 212. 1R AND A WATER-REDUCING ADMIXTURE COMPLYING WITH THE REQUIREMENTS OF ASTM C-494 AND ACI 212. 1R. ADMIXTURES SHALL BE PURCHASED AND BATCHED IN LIQUID SOLUTION. THE USE OF CALCIUM CHLORIDE OR AN ADMIXTURE CONTAINING CALCIUM CHLORIDE IS PROHIBITED. ADMIXTURES SHALL BE OF THE SAME MANUFACTURER TO ASSURE COMPATIBILITY. ACCEPTABLE MANUFACTURERS ARE:

1. W.R. GRACE

2. SIKA CORP.

3. MASTER BUILDERS

4. EUCLID CHEMICAL CO.

E. CURING COMPOUND SHALL CONFORM TO ASTM C309, TYPE I, ID, CLASS A AND B AND ASTM C171 AS APPLICABLE.

**2.3 CONCRETE MIX:**

- A. PROPORTION CONCRETE MIX IN ACCORDANCE WITH REQUIREMENTS OF ACI 301. THE STRENGTH OF CONCRETE SHALL BE AS INDICATED ON THE DRAWINGS. WHERE STRENGTH IS NOT CLEARLY INDICATED, CONCRETE OF MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I. SHALL BE USED.
- B. THE CONCRETE MIX SHALL BE DESIGNED FOR A MAXIMUM SLUMP OF THREE INCHES AT THE POINT OF DISCHARGE. MIXES OF THE STIFFEST CONSISTENCY THAT CAN BE EFFICIENTLY PLACED SHALL BE USED.
- C. ALL CONCRETE SHALL HAVE (3) TO FIVE (5) PERCENT ENTRAINED AIR.
- D. ALL STRUCTURAL CONCRETE SHALL CONTAIN A WATER-REDUCING AGENT.

**PART 3 - EXECUTION****3.1 GENERAL:**

- A. CONSTRUCT AND ERECT THE FORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 347.
- B. COLD-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.
- C. HOT-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305.

**3.2 INSERTS, EMBEDDED COMPONENTS AND OPENINGS:**

- A. CONTRACTOR SHALL CHECK ALL CIVIL, ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS AND OTHER ITEMS TO BE BUILT INTO THE CONCRETE WORK.
- B. COORDINATE THE WORK OF OTHER SECTION IN FORMING AND SETTING OPENINGS, RECESSES, SLOTS, CHASES, ANCHORS, INSERTS AND OTHER ITEMS TO BE EMBEDDED.
- C. EMBEDDED ITEMS SHALL BE SET ACCURATELY IN LOCATION, ALIGNMENT, ELEVATION AND PLUMBNESS, LOCATE AND MEASURE FROM ESTABLISHED SURVEYED REFERENCE BENCHMARKS.
- D. EMBEDDED ITEMS SHALL BE ANCHORED INTO PLACE IN A MANNER TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT AND CONSOLIDATION. COMPONENTS FORMING A PART OF A COMPLETE ASSEMBLY SHALL BE ALIGNED BEFORE ANCHORING INTO PLACE. PROVIDE TEMPORARY BRACING, ANCHORAGE, AND TEMPLATES AS REQUIRED TO MAINTAIN THE SETTING AND ALIGNMENT.

**3.3 REINFORCEMENT PLACEMENT:**

- A. PLACE REINFORCEMENT ACCORDING TO CHECKED AND RELEASED DRAWINGS AND IN ACCORDANCE WITH ACI 301 AND ACI 318.
- B. ACCURATELY POSITION, SUPPORT AND SECURE REINFORCEMENT AGAINST DISPLACEMENT FROM FORM WORK CONSTRUCTION OR CONCRETE PLACEMENT AND CONSOLIDATION. SUPPORT REINFORCING ON METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS AND HANGERS.
- C. SPLICES OF REINFORCING BARS SHALL BE CLASS B UNLESS SHOWN OTHERWISE ON THE DRAWINGS. SPLICES SHALL BE STAGGERED. FULL DEVELOPMENT LENGTH SHALL BE PROVIDED ACROSS JOINTS.
- D. LOCATE REINFORCING TO PROVIDE CONCRETE COVER AND SPACING SHOWN ON THE DRAWINGS. MINIMUM COVER SHALL BE AS REQUIRED BY ACI 318.
- E. WELDING OF AND TO ANY REINFORCING MATERIALS INCLUDING TACK WELDING OF CROSSING BARS IS STRICTLY PROHIBITED.

**3.4 CONCRETE PLACEMENT:**

- A. PRIOR TO PLACING CONCRETE, THE FORMS AND REINFORCEMENT SHALL BE THOROUGHLY INSPECTED; ALL TEMPORARY BRACING, TIES AND CLEATS REMOVED; ALL OPENINGS FOR UTILITIES PROPERLY BOXED; ALL FORMS PROPERLY SECURED IN THEIR CORRECT POSITION AND MADE TIGHT. ALL REINFORCEMENT AND EMBEDDED ITEMS SHALL BE SECURED IN THEIR PROPER LOCATIONS. ALL OLD AND DRY CONCRETE AND DIRT SHALL BE CLEANED OFF AND ALL STANDING WATER AND OTHER FOREIGN MATERIAL REMOVED.
- B. PLACING CONCRETE SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 304 AND SHALL BE CARRIED OUT AT SUCH A RATE THAT THE CONCRETE PREVIOUSLY PLACED IS STILL PLASTIC AND INTEGRATED WITH THE FRESHLY PLACED CONCRETE. CONCRETING ONCE STARTED, SHALL BE CARRIED ON AS A CONTINUOUS OPERATION UNTIL THE SECTION IS COMPLETED. NO COLD JOINTS SHALL BE ALLOWED.
- C. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED AND COMPAKTED BY VIBRATION SPACING, RODDING, OR FORKING DURING THE OPERATION OF PLACING AND DEPOSITING IN ACCORDANCE WITH ACI 309. THE CONCRETE SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS, AND INTO THE CORNER OF THE FORMS SO AS TO ELIMINATE ALL AIR AND STONE POCKETS.

**3.5 FINISHING:**

- A. FINISHING OF THE FLOOR SLABS SHALL BE IN ACCORDANCE WITH ACI 302.1 SECTION 7.2 WITH A MINIMUM OF THREE TROWELINGS. THE SLAB FINISH TOLERANCE AS MEASURED IN ACCORDANCE WITH ASTM E 1155 SHALL HAVE AN OVERALL TEST NUMBER FOR FLATNESS, FF= 20 AND FOR LEVEL, FL=15. THE MINIMUM LOCAL NUMBER FOR FLATNESS, FF= 15 AND FOR LEVEL FL=10.
- B. SURFACE OF FLOOR SLAB SHALL RECEIVE TWO COATS OF CLEAR SEALER/HARDNER.
- C. ABOVE GRADE WALL SURFACES SHALL HAVE A SMOOTH FORM FINISH AS DEFINED IN CHAPTER 10 OF ACI 301.

**3.6 CURING:**

- A. FRESHLY DEPOSITED CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING AND EXCESSIVELY HOT AND COLD TEMPERATURES AND SHALL BE MAINTAINED WITH MINIMUM MOISTURE LOSS AT A RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD OF TIME NECESSARY FOR THE HYDRATION OF THE CEMENT AND PROPER HARDENING OF THE CONCRETE.
- B. CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST AT LEAST OVERNIGHT, IMMEDIATELY FOLLOWING THE INITIAL CURING. BEFORE THE CONCRETE HAS DRIED, ADDITIONAL CURING SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING MATERIALS OR METHODS:
  - 1. PONDING OR CONTINUOUS SPRINKLING.
  - 2. ABSORPTIVE MAT OR FABRIC KEPT CONTINUOUSLY WET.
  - 3. NON-ABSORPTIVE FILM (POLYETHYLENE) OVER PREVIOUSLY SPRINKLED SURFACE.
  - 4. SAND OR OTHER COVERING KEPT CONTINUOUSLY WET.
  - 5. CONTINUOUS STEAM (NOT EXCEEDING 150 F) OR VAPOR MIST BATH.
  - 6. SPRAYED-ON CURING COMPOUND APPLIED IN TWO COATS, SPRAYED IN PERPENDICULAR DIRECTION
- C. THE FINAL CURING SHALL CONTINUE UNTIL THE CUMULATIVE NUMBER OF DAYS OR FRACTION THEREOF, NOT NECESSARILY CONSECUTIVE, DURING WHICH TEMPERATURE OF THE AIR IN CONTACT WITH CONCRETE IS ABOVE 50F HAS TOTLED SEVEN (7) DAYS. CONCRETE SHALL NOT BE PERMITTED TO FREEZE DURING THE CURING PERIOD. RAPID DRYING AT THE END OF THE CURING PERIOD SHALL BE PREVENTED.

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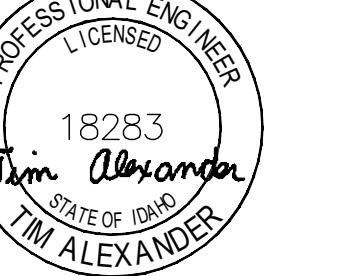
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CHANDLER, AZ 85284

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**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
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EXPIRES, 28 FEB 2027

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SHEET TITLE:  
**GENERAL NOTES**

SHEET NUMBER:  
**GN-4**

## GENERAL STEEL WORK NOTES:

### PART 1 - GENERAL

#### 1.1 SCOPE:

A. PROVIDE FABRICATION AND ERECTION OF STRUCTURAL STEEL AND OTHER ITEMS AS SHOWN ON THE DRAWINGS OR REQUIRED BY OTHER SECTIONS OF THESE SPECIFICATIONS.

#### 1.2 REFERENCES:

- A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC). MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN (ASD).
- B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).  
ASTM A36: STRUCTURAL STEEL  
ASTM A53: PIPE, STEEL BLACK AND HOT DIPPED, ZINC-COATED WELDED AND SEAMLESS.  
ASTM A108: STEEL BARS, CARBON, COLD FINISHED, STANDARD QUALITY.  
ASTM A123: ZINC (HOT-DIPPED GALVANIZED) COATING ON IRON AND STEEL PRODUCTS.  
ASTM A307: CARBON STEEL BOLTS AND STUDS, 60,000 P.S.I. TENSILE STRENGTH.  
ASTM A325: HIGH-STRENGTH BOLT FOR STRUCTURAL STEEL JOINTS.  
ASTM A490: HEAT-TREATED, STRUCTURAL STEEL BOLTS, 150 (KSI) (1035MPA) TENSILE STRENGTH.  
ASTM A500: COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES.  
ASTM A563: CARBON AND ALLOY STEEL NUTS.  
ASTM B695: COATINGS OF ZINC MECHANICALLY DEPOSITED ON IRON AND STEEL.  
ASTM F436: HARDENED STEEL WASHERS.  
ASTM F959: COMPRESSIBLE-WASHER-TYPE DIRECT TENSION INDICATOR FOR USE WITH STRUCTURAL FASTENERS.

- C. AMERICAN WELDING SOCIETY (AWS):  
AWS A5.1: COVERED CARBON STEEL ARC WELDING ELECTRODES.  
AWS A5.5: LOW ALLOY STEEL COVERED ARC WELDING ELECTRODES.  
AWS D1.1: STRUCTURAL WELDING CODE - STEEL.

- D. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC): "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS OR ASTM A490 BOLTS." AS ENDORSED BY AISC.

- E. STEEL STRUCTURES PAINTING COUNCIL (SSPC):  
SSPC-SP3: POWER TOOL CLEANING.  
SSPC-PAINT 11: RED IRON OXIDE, ZINC CHROME, RAW LINSEED OIL OR ALKYD PAINT.

#### 1.3 SUBMITTALS:

##### A. SUBMIT THE FOLLOWING FOR APPROVAL:

1. FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND ALL TOP STEEL ELEVATIONS.

##### B. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.

### PART 2 - PRODUCTS

#### 2.1 STRUCTURAL STEEL:

- A. SHAPES, PLATES AND BARS SHALL CONFIRM TO ASTM A36.

- B. STRUCTURAL TUBING SHALL CONFIRM TO ASTM A500, GRADE B. STEEL PIPE SHALL CONFIRM TO ASTM A53, TYPE E OR S, GRADE B.

#### 2.2 ANCHOR BOLTS:

- A. ANCHOR BOLTS SHALL CONFIRM TO ASTM A307 WITH HEAVY HEXAGONAL NUTS.

#### 2.3 BOLTS:

- A. COMMON (MACHINE) BOLTS SHALL CONFIRM TO ASTM A307 GRADE A AND NUTS TO ASTM A563. ONE COMMON BOLT ASSEMBLY SHALL CONSIST OF A BOLT, A HEAVY HEX NUT AND A HARDENED WASHER.
- B. HIGH-STRENGTH BOLTS SHALL CONFIRM TO ASTM A325; ONE HIGH STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY HEX NUT, A HARDENED WASHER CONFORMING TO ASTM F436. THE HARDENED WASHER SHALL BE INSTALLED AGAINST THE ELEMENT TURNED IN TIGHTENING. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.

#### 2.4 WELDING ELECTRODES:

- A. WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED.

#### 2.5 PRIMER:

- A. PRIMER SHALL BE RED OXIDE-CHROMATE PRIMER COMPLYING WITH SSPC PAINT SPECIFICATION NO. 11.

### PART 3 - EXECUTION

#### 3.1 FABRICATION:

##### A. SHOP FABRICATE AND ASSEMBLY MATERIALS AS SPECIFIED HEREIN.

1. FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH THE AISC-ASD SPECIFICATION, AND AS INDICATED ON THE APPROVED SHOP DRAWINGS.
2. ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED PER ASTM.
3. PROPERLY MARK AND MATCH-MARK MATERIALS FOR FIELD ASSEMBLY AND FOR IDENTIFICATION AS TO LOCATION FOR WHICH INTENDED.
4. FABRICATE AND DELIVER IN A SEQUENCE WHICH WILL EXPEDITE ERECTION AND MINIMIZE FIELD HANDLING OF MATERIALS.
5. WHERE FINISHING IS REQUIRED, COMPLETE THE ASSEMBLY, INCLUDING THE WELDING OF UNITS, BEFORE START OF FINISHING OPERATIONS.
6. PROVIDE FINISH SURFACE OF MEMBERS EXPOSED IN THE FINAL STRUCTURE FREE FROM MARKINGS, BURNS, AND OTHER DEFECTS.

##### B. PROVIDE CONNECTIONS AS SPECIFIED HEREIN:

1. PROVIDE BOLTS AND WASHERS OF TYPES AND SIZE REQUIRED FOR COMPLETION OF FIELD ERECTION. USE 3/4 INCH DIAMETER A325 BOLTS UNLESS NOTED OTHERWISE.
2. INSTALL HIGH STRENGTH THREADED FASTENERS IN ACCORDANCE WITH RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS."
3. WELDED CONSTRUCTION SHALL COMPLY WITH AWS D1.1 FOR PROCEDURES, APPEARANCE, QUALITY OF WELD, AND METHODS USED IN CORRECTING WELDED WORK.
4. THE FABRICATOR SHALL FURNISH AND INSTALL ERECTION CLIPS FOR FIT-UP OF WELDED CONNECTIONS.
5. DOUBLE ANGLE MEMBERS SHALL HAVE WELDED FILLERS SPACED IN ACCORDANCE WITH CHAPTER E4 OF THE AISC-ASD SPECIFICATION.
6. GUSSET AND STIFFENER PLATES SHALL BE 3/8 INCH THICK MINIMUM.

#### 3.2 PRIMING:

##### A. STRUCTURAL STEEL SHALL BE PRIMED AS SPECIFIED HEREIN, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

##### B. STRUCTURAL STEEL SURFACE PREPARATION SHALL CONFIRM TO SSPC-SP3, "POWER TOOL CLEANING."

##### C. SURFACE PREPARATION AND PRIMER SHALL BE IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE AS INCLUDED IN THE ASD MANUAL OF STEEL CONSTRUCTION.

##### D. MATERIALS SHALL REMAIN CLOSED UNTIL REQUIRED FOR USE, MANUFACTURER'S POT-LIFE REQUIREMENTS SHALL BE STRICTLY ADHERED TO.

##### E. PRIMER SHALL BE APPLIED TO DRY, CLEAN, PREPARED SURFACE AND UNDER FAVORABLE CONDITIONS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER PRIMING SHALL NOT BE DONE WHEN AMBIENT TEMPERATURE IS LESS THAN 50 DEGREE F. THE RELATIVE HUMIDITY IS MORE THAN 90 PERCENT, OR THE SURFACE TEMPERATURE IS LESS THAN 5 DEGREE F ABOVE THE DEW POINT.

##### F. GENERALLY ALL PRIMER SHALL BE SPRAY APPLIED. BRUSH OR ROLLER APPLICATION SHALL BE RESTRICTED TO TOUCHUP AND TO AREAS NOT ACCESSIBLE BY SPRAY GUN.

##### G. PRIMER SHALL BE UNIFORMLY APPLIED WITHOUT RUNS, SAGS, SOLVENT BLISTERS, DRY SPRAY OR OTHER BLEMISHES. ALL BLEMISHES AND OTHER IRREGULARITIES SHALL BE REPAIRED OR REMOVED AND THE AREA RE-COATED. SPECIAL ATTENTION SHALL BE PAID TO CREVICES, WELD LINES, BOLT HEADS, CORNERS, EDGES, ETC., TO OBTAIN THE REQUIRED NOMINAL FILM THICKNESS.

##### H. THE DRY FILM THICKNESS OF THE PRIMER SHALL BE 2.0 MILS.

##### I. IF THE PRIMER IS DAMAGED BY WELDING OR PHYSICAL ABUSE, THE AREA SHALL BE TOUCHED UP AND REPAIRED. THE TOUCHUP PAINT SHALL BE COMPATIBLE WITH THE APPLIED PRIMER WITH MINIMUM DRY FILM THICKNESS OF 1.5 MILS.

#### 3.3 INSTALLATION:

##### A. INSTALLATION OF STRUCTURAL STEEL SHALL COMPLY WITH AISC "CODE OF STANDARD PRACTICE."

##### B. STRUCTURAL FIELD WELDING SHALL BE DONE BY THE ELECTRIC SUBMERGED OR SHIELDED METAL ARC PROCESS. WELDED CONSTRUCTION SHALL COMPLY WITH AWS D1.1.

C. PROVIDE ANCHOR BOLTS AND OTHER CONNECTORS REQUIRED FOR SECURING STRUCTURAL STEEL TO ELEVATOR SHAFT WALLS AND OTHER IN-PLACE WORK. PROVIDE TEMPLATES AND OTHER DEVICES NECESSARY FOR PRESETTING BOLTS AND ANCHORS TO ACCURATE LOCATIONS.

D. SPLICE MEMBERS ONLY WHERE INDICATED ON THE DRAWINGS.

E. ANY GAS CUTTING TORCHES HAVE TO BE APPROVED IN WRITING BY THE PROJECT STRUCTURAL ENGINEER.

F. PROVIDE TEMPORARY SHORING BRACING WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSED LOADS. REMOVE TEMPORARY CONNECTIONS AND MEMBERS WHEN PERMANENT MEMBERS ARE IN PLACE AND THE FINAL CONNECTIONS HAVE BEEN MADE.

G. ALIGN AND ADJUST MEMBERS, AND OTHER SURFACES WHICH WILL BE IN THE PERMANENT CONTACT, BEFORE ASSEMBLY.

H. HIGH-STRENGTH BOLTS AS A MINIMUM, SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN THE LATEST AISC SPECIFICATION. ALL HIGH-STRENGTH BOLTS SPECIFIED ON THE DESIGN DRAWINGS TO BE USED IN PRETENSIONED OR SLIP-CRITICAL JOINTS SHALL BE TIGHTENED TO A BOLT TENSION NOT LESS THAN THAT GIVEN IN AISC TABLE J3.1. INSTALLATION SHALL BE BY ANY OF THE FOLLOWING METHODS: TURN-OF NUT METHOD, A DIRECT-TENSION-INDICATOR, TWIST-OFF-TYPE TENSION-CONTROL BOLT, CALIBRATED WRENCH, OR ALTERNATIVE DESIGN BOLT.

### STRUCTURAL NOTES

#### 1.0 GENERAL CONDITIONS

1.1 DESIGN AND CONSTRUCTION OF ALL WORK SHALL CONFORM TO THE IBC 2006 EDITION AND ALL OTHER APPLICABLE STATE CODES, ORDINANCES, AND REGULATIONS. IN CASE OF CONFLICT BETWEEN THE CODES, STANDARDS, AND REGULATIONS, SPECIFICATIONS, GENERAL NOTES AND/OR MANUFACTURER'S REQUIREMENTS. USE THE MOST STRINGENT PROVISION.

1.2 IT IS THE EXPRESS INTENT OF THE PARTIES INVOLVED IN THIS PROJECT THAT THE CONTRACTOR OR SUBCONTRACTOR OR INDEPENDENT CONTRACTOR OR THEIR RESPECTIVE EMPLOYEES SHALL EXCULPATE THE ARCHITECT, THE ENGINEER, THE CONSTRUCTION MANAGER, THE OWNER, AND THEIR AGENTS, FROM ANY LIABILITY WHATSOEVER AND HOLD THEM HARMLESS AGAINST LOSS, DAMAGES, LIABILITY OR ANY EXPENSE ARISING IN ANY MATTER FROM THE WRONGFUL OR NEGLIGENT ACT, OR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, OR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FAILURE TO CONFORM TO THE STATE SCAFFOLDING ACT IN CONNECTION WITH THE WORK.

#### 1.3 DO NOT SCALE DRAWINGS.

#### 1.4 VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS.

#### 1.5 SUBMIT ONE SEPIA AND TWO PRINTS OF ALL STRUCTURAL SHOP DRAWINGS. MARKED UP SEPIA SHALL BE RETURNED.

#### 1.6 DESIGN LOADS ARE:

WIND SPEED	115 MPH 3 SEC EXP C	
SNOW LOAD	300 PSF	
SEISMIC ZONE	SBC & UBC - 4 AND IBC - E	
SHELTER WEIGHT:	WITHOUT EQUIPMENT	5,500lbs
	WITH EQUIPMENT	7,500lbs

#### 2.0 STEEL

#### 2.1 MEET OR EXCEED THE FOLLOWING CODES & STANDARDS (LATEST EDITION) EXCEPT AS NOTED:

A. STRUCTURAL STEEL...AISC SPECIFICATION & CODE OF STANDARD PRACTICE  
-SHAPES AND PLATES...ASTM A572  
-PLATES BENT OR COLD FORMED...ASTM A 283, GRADE C  
-PIPES...ASTM A 53, GRADE B  
-STRUCTURAL SHEETS, HOT ROLLED...ASTM A 510  
-COLD FORMED STEEL TUBING...ASTM A 500 GRADE B  
-BOLTS, NUTS & WASHERS FOR ANCHOR BOLTS AND SECONDARY CONNECTIONS...ASTM A307  
-ALL STEEL SHALL BE HOT-DIPPED GALVANIZED.

B. WELDS...AWS E 70XX  
EXCEPTION IS TAKEN TO AISC CODE OF STANDARD PRACTICE PARAGRAPH 4.2.1 REGARDING OWNERS AND FABRICATOR'S RESPONSIBILITY FOR CONNECTION DESIGN AND DETAILING IS THE CONTRACTOR'S RESPONSIBILITY. ENGINEER'S REVIEW OF SHOP DRAWINGS IS FOR GENERAL CONSIDERATIONS ONLY AND DOES NOT CONSTITUTE AN ACCEPTANCE OF THESE RESPONSIBILITIES BY THE OWNER AND/OR ENGINEER.

#### 3.0 FIBER REINFORCED PLASTIC

##### 3.1 ALL FRP MATERIAL SHALL BE EXTREN SERIES 500 OR EQUIV.

##### 3.2 ALL ADHESIVE SHALL BE PLEXUS METHACRYLATE ADHESIVE OR EQUIV.

##### 3.3 ALL FRP CONNECTIONS SHALL BE FULL BONDED EACH SIDE WITH 3 1/8" PLATE AND MINIMUM (2) 1/8" PAN HEAD FRP SCREWS PER MEMBER.

##### 3.4 ALL PANELS SHALL BE FULL BONDED W/ 3/8" PAN HEAD FRP SCREWS AT 12" O.C.

AT&T Site ID:

IDL02365

8247 W STATE STREET

BOISE, ID 83714

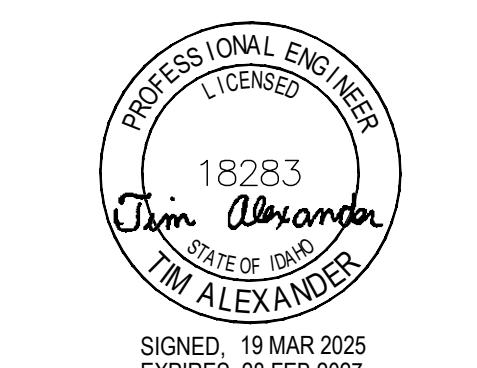
  
CROWN  
CASTLE  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
  
TELCYTE  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
B	12/03/21	CLIENT REVISIONS
0	12/24/21	CLIENT REVISIONS
1	01/10/22	CLIENT REVISIONS
2	02/14/22	CLIENT REVISIONS
3	12/08/22	JDX COMMENTS
4	01/14/23	CLIENT COMMENTS
5	07/18/24	CLIENT COMMENTS
6	08/19/24	CLIENT COMMENTS
7	01/14/25	CLIENT COMMENTS
8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:  
  
PROFESSIONAL ENGINEER  
LICENSED  
18283  
Tim Alexander  
STATE OF IDAHO  
T.M. ALEXANDER  
SIGNED: 19 MAR 2025  
EXPIRES: 28 FEB 2027

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:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
GENERAL  
NOTES

SHEET NUMBER:  
**GN-5**

## GENERAL ELECTRICAL NOTES:

### PART 1 - GENERAL

#### 1.1 GENERAL CONDITIONS:

A. CONTRACTOR SHALL INSPECT THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.

B. THE CONTRACTOR SHALL OBTAIN PERMITS, LICENSES, MAKE ALL DEPOSITS, AND PAY ALL FEES REQUIRED FOR THE CONSTRUCTION PERFORMANCE FOR THE WORK UNDER THIS SECTION.

C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWING SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

#### 1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES:

A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. CONDUIT BENDS SHALL BE THE RADIUS BEND FOR THE TRADE SIZE OF CONDUIT IN COMPLIANCE WITH THE LATEST EDITIONS OF NEC.

#### 1.3 REFERENCES:

A. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE. THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION UNLESS OTHERWISE NOTED. EXCEPT AS MODIFIED BY THE REQUIREMENT SPECIFIED HEREIN OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISION OF THESE PUBLICATIONS.

1. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)
2. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
3. ICE (INSULATED CABLE ENGINEERS ASSOCIATION)
4. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
5. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
6. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
7. UL (UNDERWRITERS LABORATORIES, INC.)
8. AT&T GROUNDING AND BONDING STANDARDS TP-76416

#### 1.4 SCOPE OF WORK:

A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES REQUIRED TO COMPLETE REQUIRED CONSTRUCTION AND BE OPERATIONAL.

B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE CONTRACTOR.

C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES, BACKFILLING, AND REMOVAL OF EXCESS DIRT.

D. THE CONTRACTOR SHALL FURNISH TO THE OWNER WITH CERTIFICATES OF A FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES HAVING JURISDICTION.

E. THE CONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS, DOCUMENT ALL WIRING EQUIPMENT CONDITIONS, AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT COMPLETION OF THE PROJECT.

### PART 2 - PRODUCTS

#### 2.1 GENERAL:

A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS.

B. ALL ITEMS OF MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.

C. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.

D. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECT, 10,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PER THE GOVERNING JURISDICTION.

#### 2.2 MATERIALS AND EQUIPMENT:

A. CONDUIT:
 

1. RIGID METAL CONDUIT (RMC) SHALL BE HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.
2. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE UL LISTED.

3. CONDUIT CLAMPS, STRAPS AND SUPPORTS SHALL BE STEEL OR MALLEABLE IRON. ALL FITTINGS SHALL BE COMPRESSION AND CONCRETE TIGHT TYPE. GROUNDING BUSHINGS WITH INSULATED THROATS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.

4. NONMETALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 PVC. INSTALL USING SOLVENT-CEMENT-TYPE JOINTS AS RECOMMENDED BY THE MANUFACTURER.

#### B. CONDUCTORS AND CABLE:

1. CONDUCTORS AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC, SINGLE CONDUCTOR, COPPER, TYPE THHN/THWN-2, 600 VOLT, SIZE AS INDICATED, #12 AWG SHALL BE THE MINIMUM SIZE CONDUCTOR USED.

2. #10 AWG AND SMALLER CONDUCTOR SHALL BE SOLID OR STRANDED AND #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.

3. SOLDERLESS, COMPRESSION-TYPE CONNECTORS SHALL BE USED FOR TERMINATION OF ALL STRANDED CONDUCTORS.

4. STRAIN-RELIEF SUPPORTS GRIPS SHALL BE HUBBELL KELLEMS OR APPROVED EQUAL. CABLES SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC AND CABLE MANUFACTURER'S RECOMMENDATIONS. ALL CONDUCTORS SHALL BE TAGGED AT BOTH ENDS OF THE CONDUCTOR, AT ALL PULL

5. BOXES, J-BOXES, EQUIPMENT AND CABINETS AND SHALL BE IDENTIFIED WITH APPROVED PLASTIC TAGS (ACTION CRAFT, BRADY, OR APPROVED EQUAL).

#### C. DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY, DEAD-FRONT, QUICK-MAKE, QUICK-BREAK, EXTERNALLY OPERABLE, HANDLE LOCKABLE AND INTERLOCK WITH COVER IN CLOSED POSITION, RATING AS INDICATED, UL LABELED FURNISHED IN NEMA 3R ENCLOSURE, SQUARE-D OR ENGINEERED APPROVED EQUAL.

#### D. CHEMICAL ELECTROLYTIC GROUNDING SYSTEM:

1. INSTALL CHEMICAL GROUNDING AS REQUIRED. THE SYSTEM SHALL BE ELECTROLYTIC MAINTENANCE FREE ELECTRODE CONSISTING OF RODS WITH A MINIMUM #2 AWG CU EXOTHERMALLY WELDED PIGTAIL, PROTECTIVE BOXES, AND BACKFILL MATERIAL. MANUFACTURER SHALL BE LYNOCE XIT GROUNDING ROD TYPES K2-(\*)CS OR K2L-(\*)CS (\*) LENGTH AS REQUIRED.
2. GROUND ACCESS BOX SHALL BE A POLYPLASTIC BOX FOR NON-TRAFFIC APPLICATIONS, INCLUDING BOLT DOWN FLUSH COVER WITH "BREATHER" HOLES, XIT MODEL #XB-22. ALL DISCONNECT SWITCHES AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS ID NUMBERING, AND THE ELECTRICAL POWER SOURCE.
3. BACKFILL MATERIAL SHALL BE LYNOCONITE AND LYNOCE GROUNDING GRAVEL.

#### E. SYSTEM GROUNDING:

1. ALL GROUNDING COMPONENTS SHALL BE TINNED AND GROUNDING CONDUCTOR SHALL BE #2 AWG BARE, SOLID, TINNED, COPPER. ABOVE GRADE GROUNDING CONDUCTORS SHALL BE INSULATED WHERE NOTED.
2. GROUNDING BUSES SHALL BE BARE, TINNED, ANNEALED COPPER BARS OF RECTANGULAR CROSS SECTION. STANDARD BUS BARS MGB, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD. ALL GROUNDING BUSES SHALL BE IDENTIFIED WITH MINIMUM 3/4" LETTERS BY WAY OF STENCILING OR DESIGNATION PLATE.
3. CONNECTORS SHALL BE HIGH-CONDUCTIVITY, HEAVY DUTY, LISTED AND LABELED AS GROUNDING CONNECTORS FOR THE MATERIALS USED. USE TWO-HOLE COMPRESSION LUGS WITH CLEAR HEAT SHRINK FOR MECHANICAL CONNECTIONS. USE TWO-HOLE COMPRESSION LUGS WITH INSPECTION WINDOW AND CLEAR HEAT SHRINK.
4. EXOTHERMIC WELDED CONNECTIONS SHALL BE PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.
5. GROUND RODS SHALL BE ERICO #615800, COPPER-CLAD STEEL WITH HIGH-STRENGTH STEEL CORE AND ELECTROLYTIC-GRADE COPPER OUTER SHEATH, MOLTEN WELDED TO CORE, 5/8" x 10'-0". ALL GROUNDING RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES.
6. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS IN COMPLIANCE WITH THE AT&T SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULLBOXES, DISCONNECT SWITCHES, STARTERS, AND EQUIPMENT CABINETS.

#### F. OTHER MATERIALS:

1. THE CONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED, WHICH ARE REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM AND PROPER INSTALLATION OF THE WORK.
2. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.

#### G. PANELS AND LOAD CENTERS:

1. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN.

#### PART 3 - EXECUTION

##### 3.1 GENERAL:

- A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURING INSTALLATION AND CONSTRUCTION PERIODS.

##### 3.2 LABOR AND WORKMANSHIP:

- A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIREMEN, IN A NEAT AND WORKMAN-LIKE MANNER.
- B. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE CONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.
- C. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

##### 3.3 COORDINATION:

- A. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

##### 3.4 INSTALLATION:

###### A. CONDUIT:

1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH TRADE SIZE.
2. PROVIDE RIGID PVC SCHEDULE 80 CONDUITS FOR ALL RISERS, RMC OTHERWISE NOTED. EMT MAY BE INSTALLED FOR EXTERIOR CONDUITS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
3. INSTALL SCH. 40 PVC CONDUIT WITH A MINIMUM COVER OF 24" UNDER ROADWAYS, PARKING LOTS, STREETS, AND ALLEYS. CONDUIT SHALL HAVE A MINIMUM COVER OF 18" IN ALL OTHER NON-TRAFFIC APPLICATIONS (REFER TO 2011 NEC, TABLE 300.5).
4. USE GALVANIZED FLEXIBLE STEEL CONDUIT WHERE DIRECT CONNECTION TO EQUIPMENT WITH MOVEMENT, VIBRATION, OR FOR EASE OF MAINTENANCE. USE LIQUID TIGHT, FLEXIBLE METAL CONDUIT FOR OUTDOOR APPLICATIONS. INSTALL GALVANIZED FLEXIBLE STEEL CONDUIT AT ALL POINTS OF CONNECTION TO EQUIPMENT MOUNTED ON SUPPORT TO ALLOW FOR EXPANSION AND CONTRACTION.

5. A RUN OF CONDUIT BETWEEN BOXES OR EQUIPMENT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF THREE QUARTER-BENDS. CONDUIT BEND SHALL BE MADE WITH THE UL LISTED BENDER OR FACTORY 90 DEGREE ELBOWS MAY BE USED.
6. FIELD FABRICATED CONDUITS SHALL BE CUT SQUARE WITH A CONDUIT CUTTING TOOL AND REAMED TO PROVIDE A SMOOTH INSIDE SURFACE.

###### 7. PROVIDE INSULATED GROUNDING BUSHING FOR ALL CONDUITS.

8. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING CONSTRUCTION. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. CONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.

9. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATE SIZE MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF CONDUCTORS OR CABLES. CONDUIT SHALL BE FREE OF DIRT AND DEBRIS.

###### 10. INSTALL PULL STRINGS IN ALL CLEAN EMPTY CONDUITS. IDENTIFY PULL STRINGS AT EACH END.

###### 11. INSTALL 2" HIGHLY VISIBLE AND DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND CONDUITS AND CONDUCTORS.

###### 12. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO INSURE AGAINST COLLECTION OF TRAPPED CONDENSATION.

13. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS TO ALLOW FOR RACEWAYS AND CABLES TO BE ROUTED THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS, SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE EFFECTIVELY SEALED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL OR STRUCTURE. FIRE STOPS AT FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE, AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.

#### B. CONDUCTORS AND CABLE:

1. ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

DESCRIPTION	208/240/120 VOLT SYSTEMS
PHASE A	BLACK
PHASE B	RED
PHASE C	BLUE
NEUTRAL	WHITE
GROUNDS	GREEN

2. SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES, OR ACCESSIBLE RACEWAY CONDUITS APPROVED FOR THIS PURPOSE.

3. PULLING LUBRICANTS SHALL BE UL APPROVED. CONTRACTOR SHALL USE NYLON OR HEMP ROPE FOR PULLING CONDUCTOR OR CABLES INTO THE CONDUIT.

4. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING, AND BE OF SUFFICIENT LENGTH IN ALL BOXES & EQUIPMENT TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS. CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY AND MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS IS PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

#### C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.

#### D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, AT&T GROUNDING AND BONDING STANDARDS TP-76416, ND-00135, AND THE NATIONAL ELECTRICAL CODE.

2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.

3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUNDING CONDUCTORS SHALL NOT BE LOOPED OR SHARPLY BENT. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND WHERE THE MAIN GROUNDING CONDUCTOR IS REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUND RING, TO THE EXISTING GROUNDING SYSTEM. THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN #2 AWG COPPER. ROOFTOP GROUND RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE STANDARD 6.3.2.2.

5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORSION TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UL TO ASSURE PERMANENT AND EFFECTIVE GROUNDING. CONTRACTOR SHALL VERIFY THE LOCATIONS OF GROUNDING TIE-IN-POINTS TO THE EXISTING

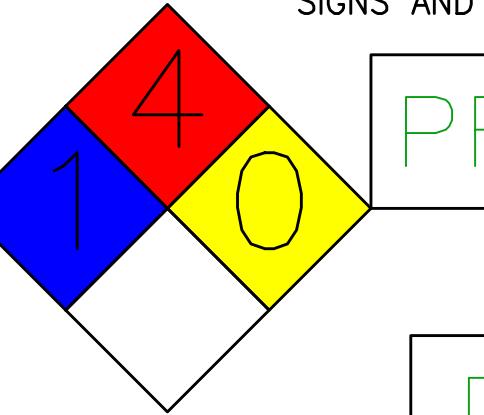
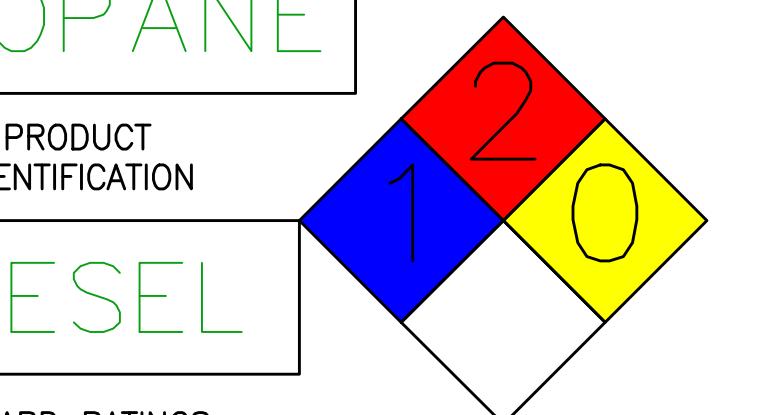
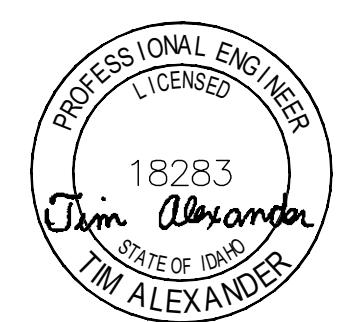
6. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE GROUNDING SYSTEM. EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BY THE INSPECTOR HAVING JURISDICTION BEFORE BEING PERMANENTLY CONCEALED.

8. APPLY CORROSION-RESISTANCE FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED.

9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.

- <ol style="list-style-type

<p>1'-8"</p> <p><b>Property of AT&amp;T Authorized Personnel Only</b></p> <p>In case of emergency, or prior to performing maintenance on this site, call _____ and reference cell site number _____</p> <p>FA# _____</p> <p>NOTES: 1. PLACE SIGN ON ROOM, SHELTER OR CABINET DOOR.</p> <p><b>6</b> DOOR SIGN N.T.S.</p> <p></p>		<p>AT&amp;T ABOVEGROUND FUEL STORAGE SYSTEMS SIGNS AND LABELING REQUIREMENTS</p> <p> PROPROPANE PRODUCT IDENTIFICATION  DIESEL</p> <p>HAZARD RATINGS: 9 O'CLOCK - HEALTH 12 O'CLOCK - FLAMMABILITY 3 O'CLOCK - INSTABILITY 6 O'CLOCK - SPECIAL</p> <p><b>1</b> COMBUSTIBLE <b>2</b> FLAMMABLE <b>3</b> NO SMOKING</p> <p>SIGNS MUST BE OF DURABLE MATERIAL WITH RED LETTERING ON WHITE BACKGROUND. LETTERS SHALL NOT BE LESS THAN 3 INCHES (76 mm) IN HEIGHT. SIGNS SHALL NOT BE OBSTRUCTED OR REMOVED AND SHALL BE IN ENGLISH AS A PRIMARY LANGUAGE. COMBUSTIBLE SIGN MAY ALSO BE WHITE LETTER ON RED BACKGROUND</p> <p>NOTES: 1. PLACE AT DOOR OR TANK. 2. SEE SIGN PLACEMENT TABLE IN A-12 FOR ADDITIONAL INFORMATION</p> <p><b>5</b> FUEL STORAGE SIGN N.T.S.</p>	<p>NFPA 704 HAZARD IDENTIFICATION SYSTEM 15" DIAMOND</p> <p><b>INFORMATION</b> Federal Communications Commission Tower Registration Number <b>1 2 3 4 5 6 7</b> Posted in accordance with Federal Communications Commission rules on antenna tower registration O 47CFR 17.4 (g).</p> <p>NOTES: 1. 12" x 8" ALUMINUM. 2. REQUIREMENT IS SPECIFIED IN SECTION 4 OF CNTP. 3. POSTED AT BASE OF TOWER AND AT EACH ENTRANCE POINT. 4. SEE SIGN PLACEMENT TABLE IN A-12 FOR ADDITIONAL INFORMATION</p> <p><b>4</b> FCC TOWER REG. (ASRN) N.T.S.</p>	<p><b>1'-2"</b></p> <p><b>DANGER</b> <b>NO TRESPASSING</b></p> <p>NOTES: 1. PLACE SIGN ON GATE OR DOOR AND EACH SIDE OF FENCED COMPOUND. 2. PLACE SIGN ON AT&amp;T COMPOUND ONLY. 4. SEE SIGN PLACEMENT TABLE IN A-12 FOR ADDITIONAL INFORMATION</p> <p><b>3</b> NO TRESPASSING SIGN N.T.S.</p>
<p>2'-0"</p> <p><b>Property of AT&amp;T Authorized Personnel Only</b></p> <p>No Trespassing Violators will be Prosecuted</p> <p>In case of emergency, or prior to performing maintenance on this site, call _____ and reference cell site number _____</p> <p></p>		<p>NOTES: 1. ALUMINUM SIGN. 2. PLACE AT MAIN ENTRANCE GATES TO COMPOUND. 3. SEE SIGN PLACEMENT TABLE IN A-12 FOR ADDITIONAL INFORMATION.</p> <p><b>INFORMATION</b> AT&amp;T Mobility operates telecommunications antennas at this location. Remain at least 3 feet away from any antenna and obey all posted signs. Contact the owner(s) of the antenna(s) before working closer than 3 feet from the antenna(s). Contact AT&amp;T Mobility at _____ prior to performing any maintenance or repairs near AT&amp;T antennas. This is site# _____ Contact the management office if this door/hatch/gate is found unlocked.</p> <p><b>INFORMACION</b> En esta propiedad se ubican antenas de telecomunicaciones operadas por AT&amp;T Mobility. Favor mantener una distancia de no menos de 3 pies y obedecer todos los avisos. Comuníquese con el propietario o los propietarios de las antenas antes de trabajar o caminar a una distancia de menos de 3 pies de la antena. Comuníquese con AT&amp;T Mobility _____ antes de realizar cualquier mantenimiento o reparaciones cerca de las antenas de AT&amp;T Mobility. Esta es la estación base número _____ Favor comunicarse con la oficina de la administración del edificio si esta puerta o compuerta se encuentra sin candado.</p> <p>INFORMATION SIGN 1: 1. 8" X 12" ALUMINUM. 2. PLACE AT ENTRANCE (GATE, DOOR, HATCHWAY, ETC). 3. POSTED ADJACENT TO CAUTION (YELLOW) SIGN. 4. BUILDING OWNER MAY HAVE LIMITATIONS ON WHERE CAN BE POSTED. 5. SEE SIGN PLACEMENT TABLE IN A-12 FOR ADDITIONAL INFORMATION</p> <p><b>1</b> RADIO FREQUENCY INFORMATION SIGN N.T.S.</p>	<p><b>INFORMATION</b> ACTIVE ANTENNAS ARE MOUNTED <input type="checkbox"/> ON THE OUTSIDE FACE OF THIS BUILDING <input type="checkbox"/> BEHIND THIS PANEL <input type="checkbox"/> ON THIS STRUCTURE STAY BACK A MINIMUM OF 3 FEET FROM THESE ANTENNAS Contact AT&amp;T Mobility at _____ and follow their instructions prior to performing any maintenance or repairs closer than 3 feet from the antennas. This is AT&amp;T Mobility site _____ AT&amp;T Mobility</p> <p>INFORMATION SIGN 2: 1. NON-METALLIC (VINYL OR SIMILAR WEATHERPROOF MATERIAL) LABEL WITH AN ADHESIVE BACKING. 2. APPROXIMATELY 5 X 7 INCHES.</p> <p>POSTING: 1. ACTIVE ANTENNAS BEHIND A RADIO TRANSPARENT PANEL. A NON-METALLIC VERSION WITH AN ADHESIVE BACKING SHOULD BE AFFIXED TO THE FACE OF THE RADIO TRANSPARENT PANEL CONCEALING THE ANTENNAS. 2. ANTENNAS MOUNTED ON THE OUTSIDE FACE OF A BUILDING. A METALLIC OR NON-METALLIC VERSION SHOULD BE MOUNTED ON THE PARAPETS INSIDE WALL DIRECTLY ABOVE THE ANTENNA. 3. ROOFTOP ANTENNAS MOUNTED ON SUPPORT STRUCTURES. A METALLIC OR NON-METALLIC VERSION (DEPENDING UPON MOUNTING CONDITIONS) SHOULD BE MOUNTED ON THE SUPPORT STRUCTURE, OR VERY NEAR IT, IN SUCH A MANNER THAT THE SIGN IS CLEARLY ASSOCIATED WITH THE STRUCTURE. 4. ANTENNAS THAT ARE STAND-ALONE (E.G., LAMP POSTS, STADIUMS) IN AREAS WHERE THERE IS LITTLE POTENTIAL FOR EXCEEDING THE GENERAL POPULATION/UNCONTROLLED MPE EXCEPT, PERHAPS, VERY CLOSE TO THE ANTENNA. IN THIS CASE, THE INFORMATION SIGN 2 WOULD BE MOUNTED CLOSE TO THE ANTENNA IN ORDER TO ALERT MAINTENANCE WORKERS. 5. SEE SIGN PLACEMENT TABLE FOR ADDITIONAL INFORMATION.</p>	<p>AT&amp;T Site ID: IDL02365 8247 W STATE STREET BOISE, ID 83714</p> <p>Tower Owner: <b>CROWN CASTLE</b> 2055 SOUTH STEARMAN DRIVE CHANDLER, AZ 85284</p> <p>PREPARED FOR: <b>at&amp;t</b> 7670 S. CHESTER ST. CENTENNIAL, CO 80112</p> <p>A&amp;E: <b>TEL CYTE</b> INFRASTRUCTURE SERVICES 3450 N HIGLEY RD - SUITE 102, MESA, AZ 85215</p> <p>AT&amp;T SITE NO: IDL02365 BU NO: 824322 DRAWN BY: NP CHECKED BY: CM</p> <p>REV DATE DESCRIPTION A 09/16/21 PRELIMINARY CD'S B 12/03/21 CLIENT REVISIONS 0 12/24/21 CLIENT REVISIONS 1 01/10/22 CLIENT REVISIONS 2 02/14/22 CLIENT REVISIONS 3 12/08/22 JDX COMMENTS 4 01/14/23 CLIENT COMMENTS 5 07/18/24 CLIENT COMMENTS 6 08/19/24 CLIENT COMMENTS 7 01/14/25 CLIENT COMMENTS 8 02/06/25 CLIENT COMMENTS 9 03/06/25 CLIENT COMMENTS 10 03/19/25 CLIENT COMMENTS</p> <p>Licensor:  PROFESSIONAL ENGINEER LICENSED 18283 Tim Alexander STATE OF IDAHO TM ALEXANDER SIGNED, 19 MAR 2025 EXPIRES, 28 FEB 2027</p> <p>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.</p> <p>Issued For: 3/19/25 PRELIMINARY CD'S</p> <p>SHEET TITLE: <b>SITE SIGNAGE</b></p> <p>SHEET NUMBER: <b>GN-7</b></p>

## NOTE

THERE IS NO LANDSCAPING ON SITE AT THIS TIME.

T&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Power Owner:



2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85286

## PREPARED FOR:



A&E:



& T SITE NO: IDL023

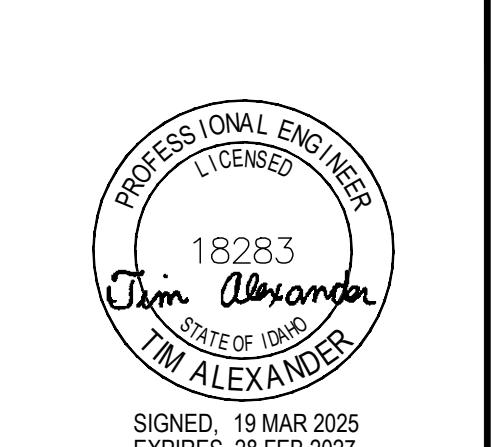
NO: 824322

AWN BY:

CHECKED BY:

DATE	DESCRIPTION
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12/03/21	CLIENT REVISIONS
12/24/21	CLIENT REVISIONS
01/10/22	CLIENT REVISIONS
02/14/22	CLIENT REVISIONS
12/08/22	JDX COMMENTS
01/16/23	CLIENT COMMENTS
07/18/24	CLIENT COMMENTS
08/19/24	CLIENT COMMENTS
01/14/25	CLIENT COMMENTS
02/06/25	CLIENT COMMENTS
03/06/25	CLIENT COMMENTS
03/19/25	CLIENT COMMENTS

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Issued For:

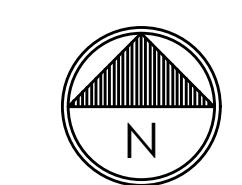
3/19/25

HEET TITLE:  
**OVERALL SITE  
PLAN**

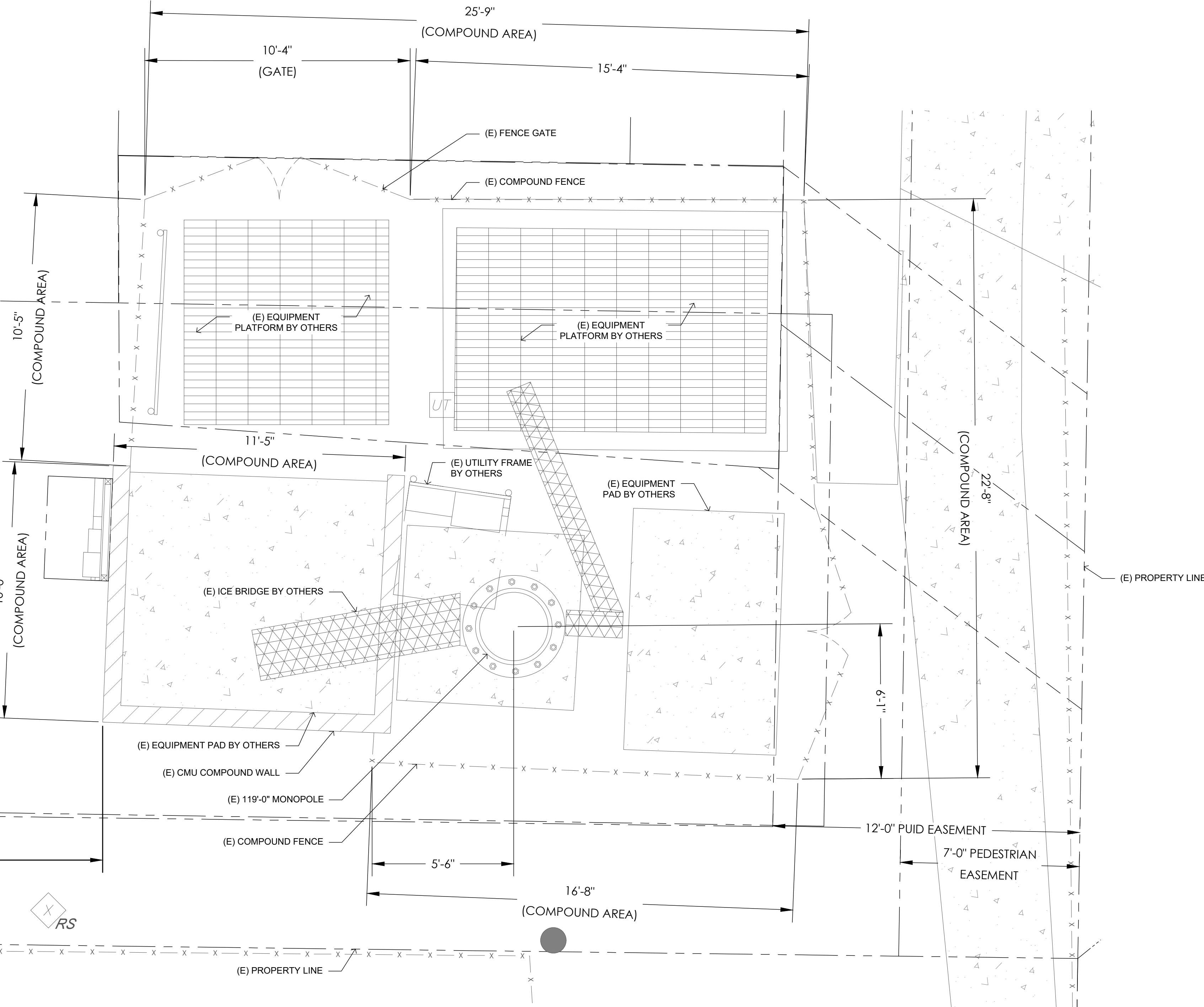
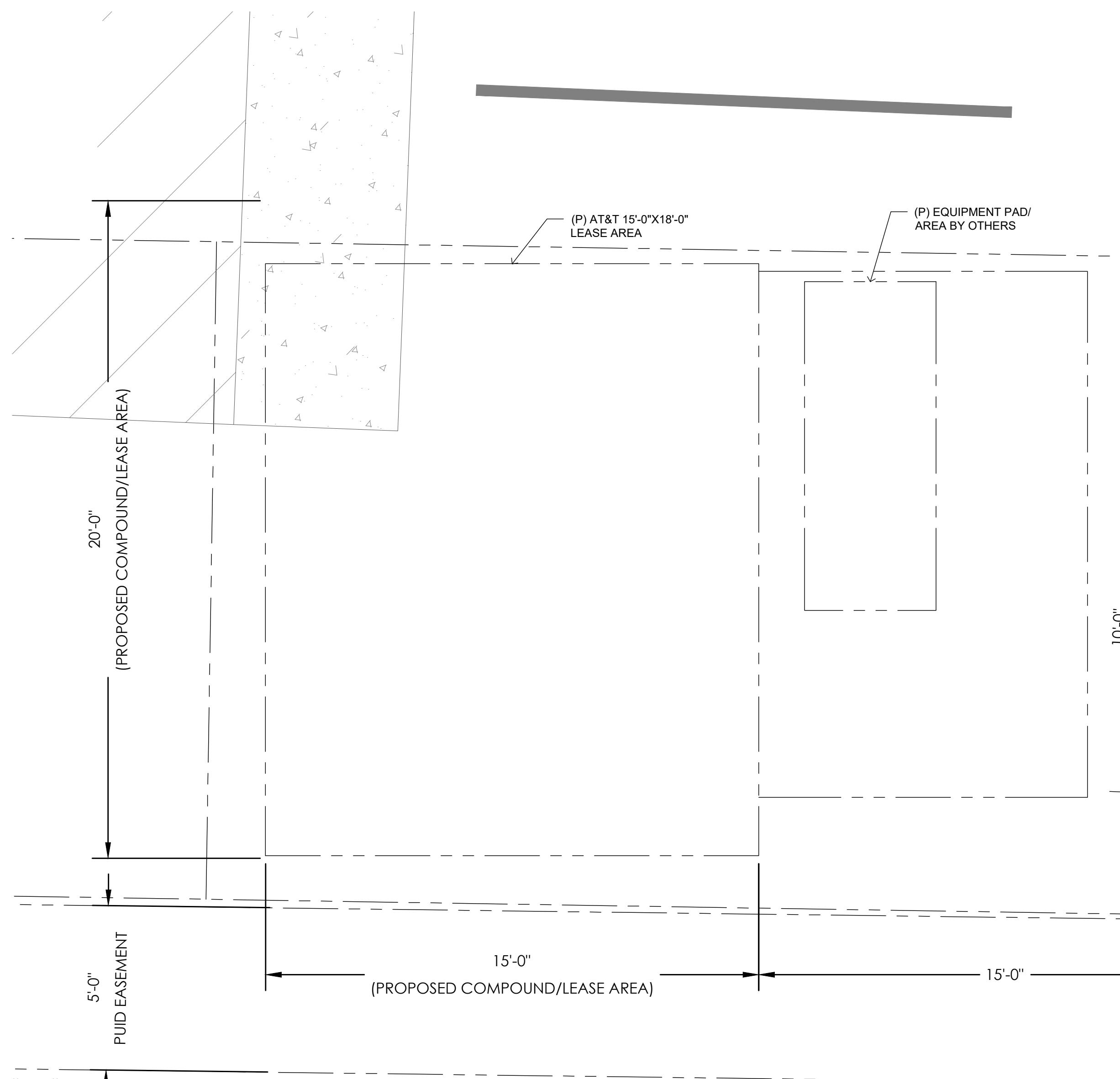
11. *What is the primary purpose of the following statement?*

This site plan illustrates the property layout for a building at 1208 W State St. The property is bounded by W State St to the west, N Roe St to the north, W Pamela St to the south, and W Kerry St to the east. The building footprint is shown in blue, with dimensions of 140'-8" in width and 225'-6" in depth. The property includes a parking area (labeled A.P.N. R0719420250) and an AT&T equipment lease area (15'-0" x 18'-0"). Several easements are present: a 5'-0" PUD EASEMENT along the southern property line; a 12'-0" PUD EASEMENT along the northern property line; a 130'-5" (E) PROPERTY LINE; a 160'-0" (E) PROPERTY LINE; a 7'-0" PEDESTRIAN EASEMENT; and a 20'-0" ACCESS EASEMENT. The plan also shows three sectors: SECTOR "C" on the west, SECTOR "B" on the south, and SECTOR "A" on the east. A circular callout labeled 1 A-2 is located on the western property line. The plan also includes a north arrow and a scale bar.

# OVERALL SITE PLAN



## SITE TYPE: MONOPOLE/WUC



## 1 EXISTING COMPOUND PLAN

SCALE:  3/8"=1'-0" (FULL SIZE)  
3/16"=1'-0" (11x17)

## SITE TYPE: MONOPOLE/WUC

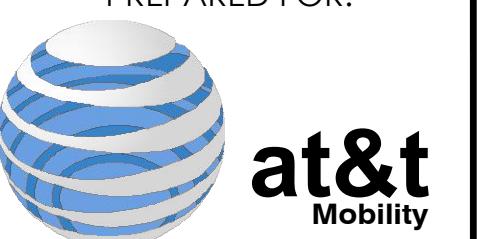
AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:



2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85286

CHANDLER, AZ 85260



PREPARED FOR:

10 of 10

100% Polyester



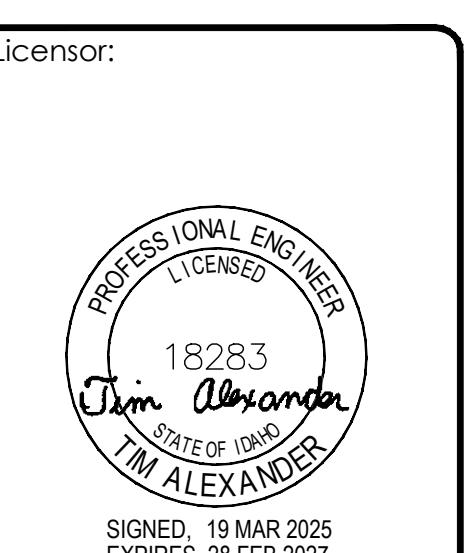
ITE NO: IDL02365

10 of 10 pages

: 824322

1184 N.R.

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	12/24/21	CLIENT REVISIONS
	01/10/22	CLIENT REVISIONS
	02/14/22	CLIENT REVISIONS
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	08/19/24	CLIENT COMMENTS
	01/14/25	CLIENT COMMENTS
	02/06/25	CLIENT COMMENTS
	03/06/25	CLIENT COMMENTS
	03/19/25	CLIENT COMMENTS



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R THE DIRECTION OF A LICENSED  
SIONAL ENGINEER, TO ALTER THIS

ssued For:

SHEET TITLE:

# EXISTING COMPOUND PLAN

11. **What is the primary purpose of the *Journal of Clinical Endocrinology and Metabolism*?**

NUMBER:

49

A-2

## A-Z

— — —

NUMBER:  
**A-2**

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

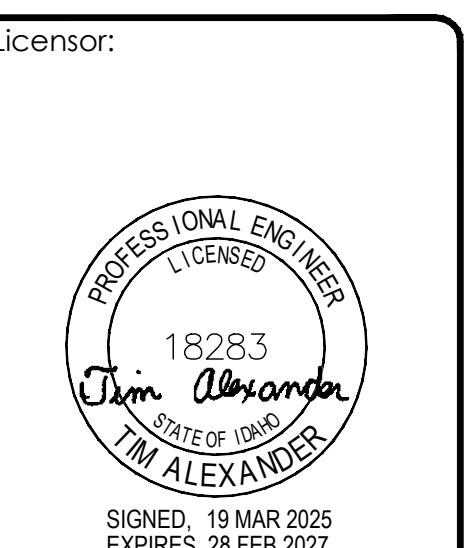
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
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0	12/24/21	CLIENT REVISIONS
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2	02/14/22	CLIENT REVISIONS
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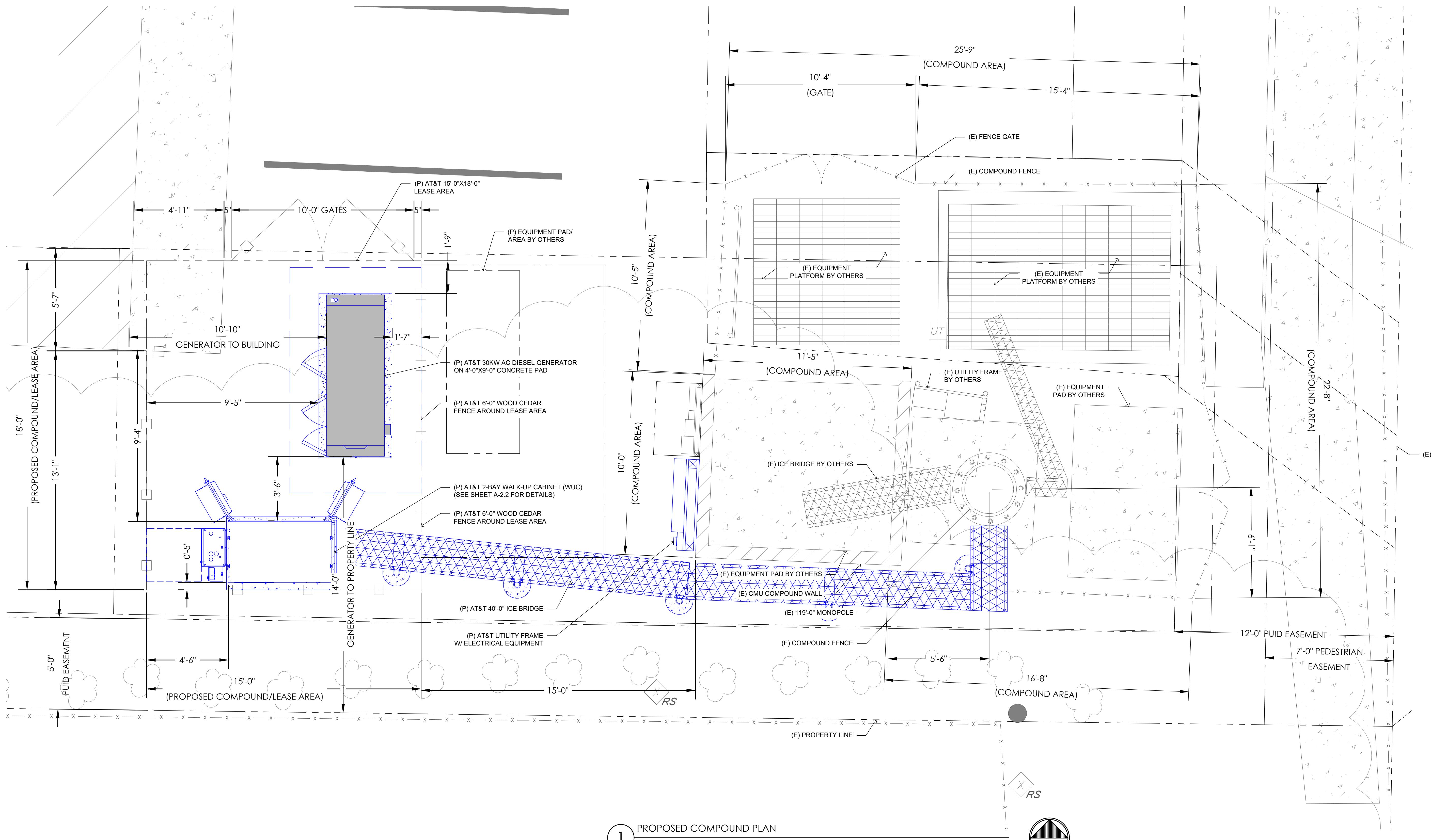


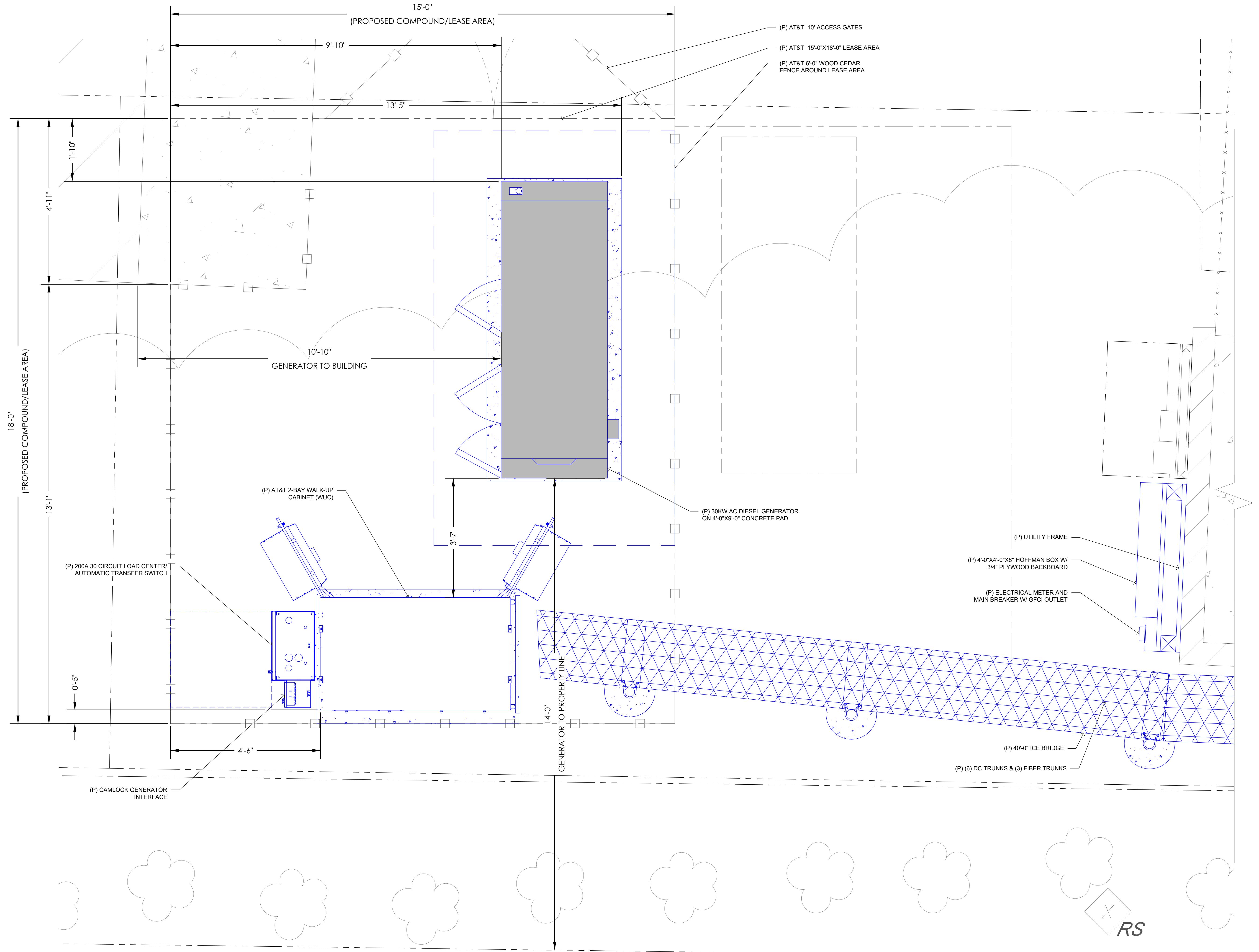
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3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
**PROPOSED  
COMPOUND PLAN**

SHEET NUMBER:  
**A-2.1**





SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

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B	12/03/21	CLIENT REVISIONS
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2	02/14/22	CLIENT REVISIONS
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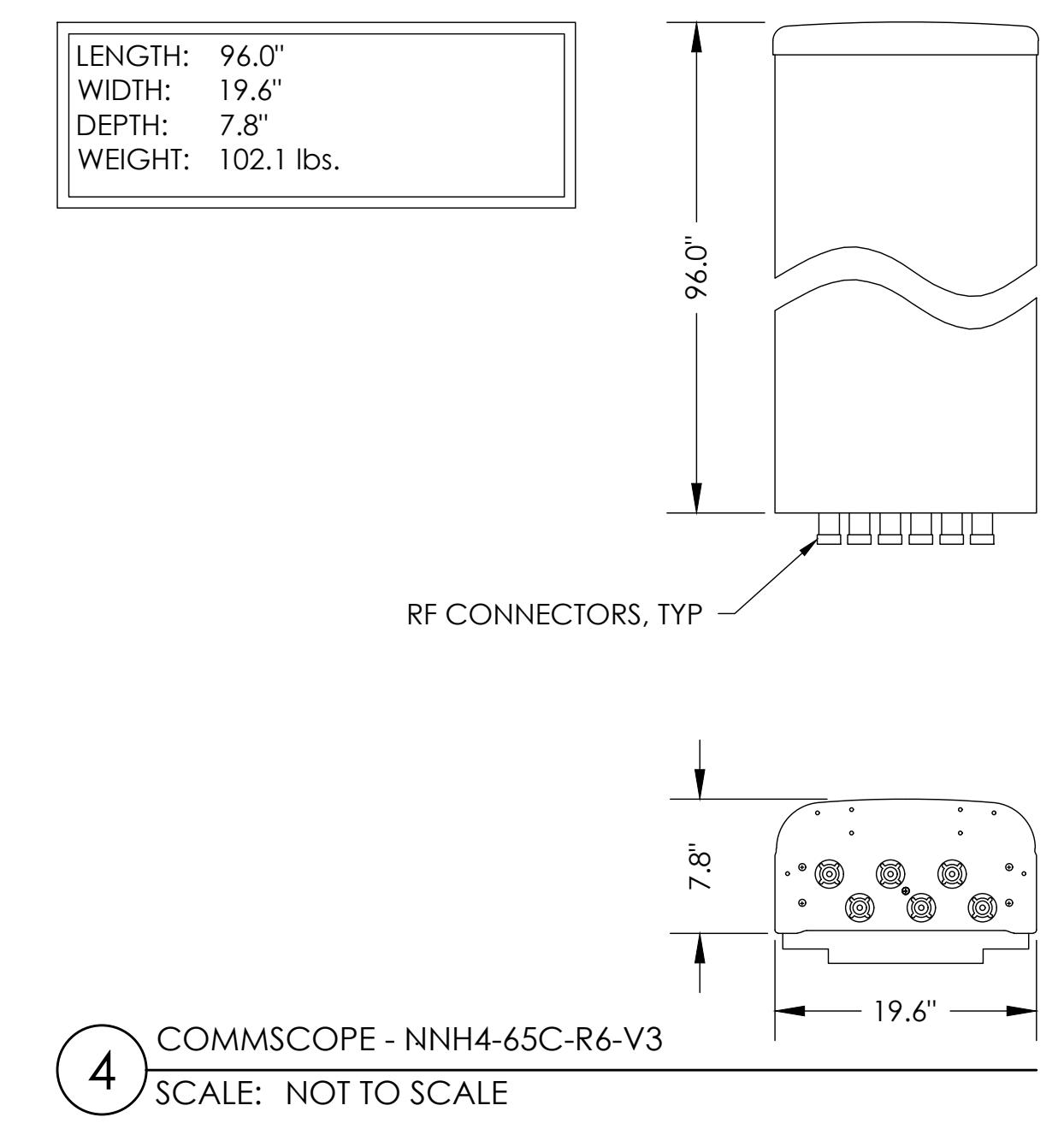
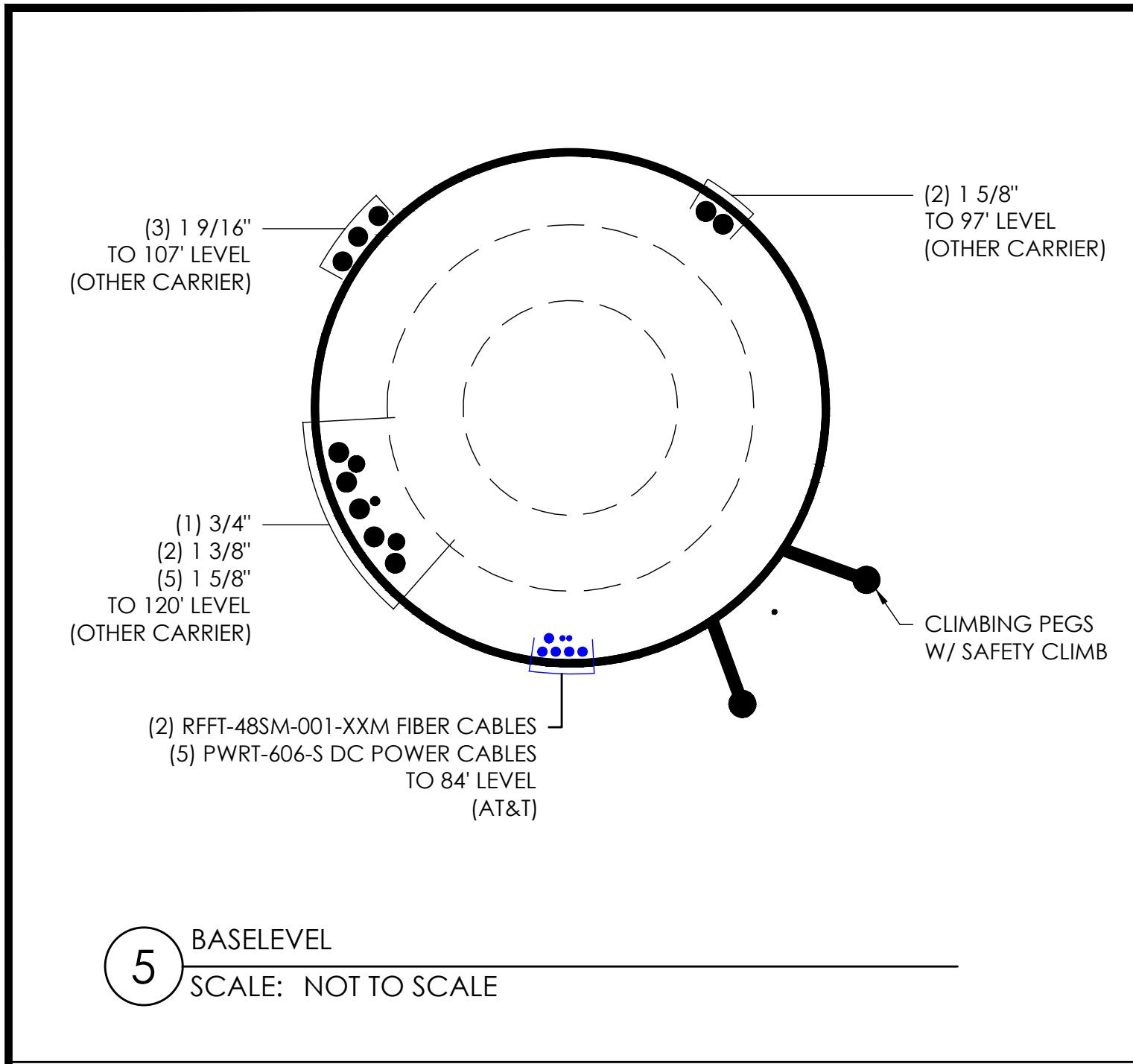
Licensor:  
  
18283  
Tim Alexander  
STATE OF IDAHO  
SIGNED, 19 MAR 2025  
EXPIRES, 28 FEB 2027

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Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
INTERIOR WUC LAYOUT

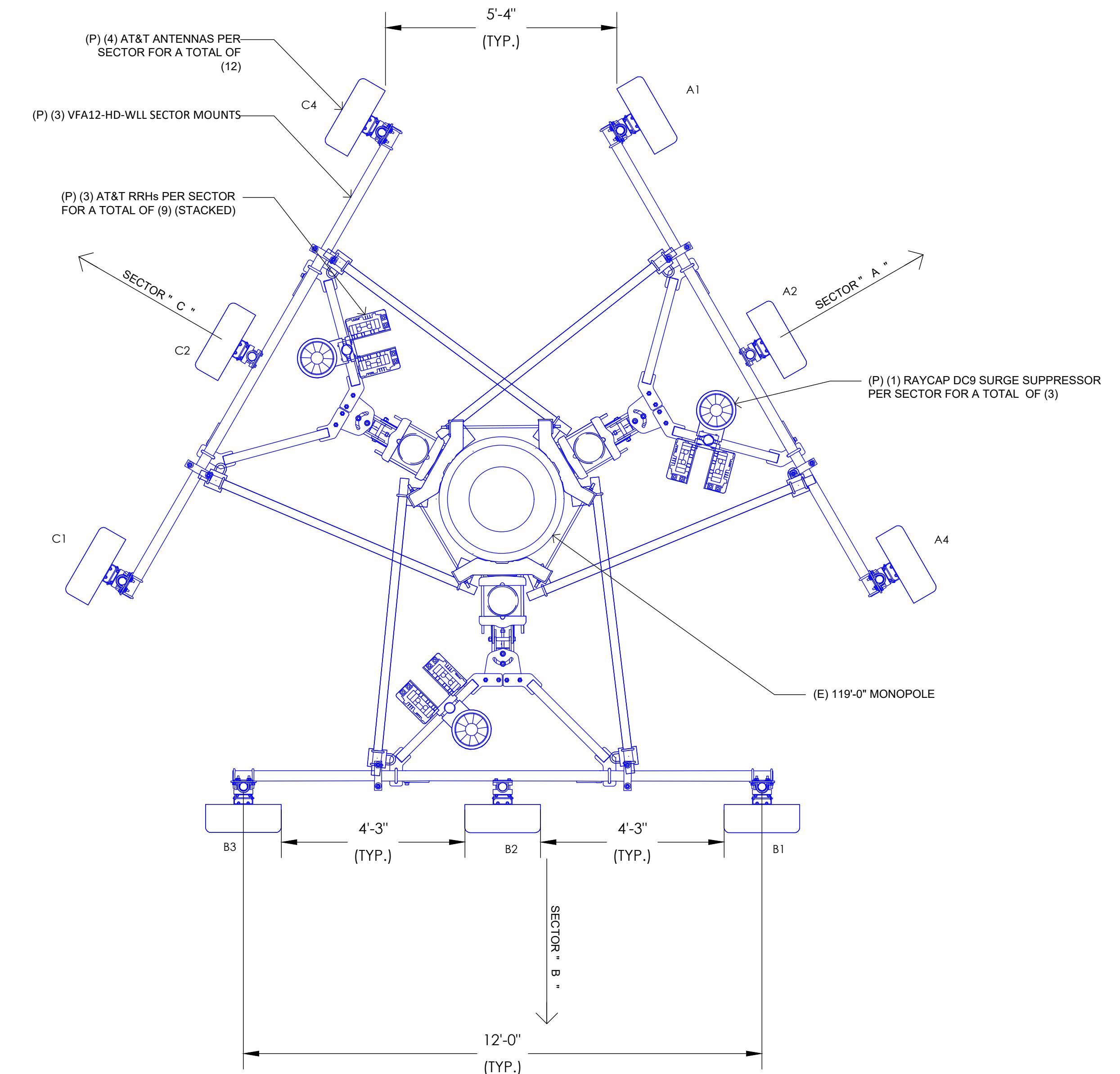
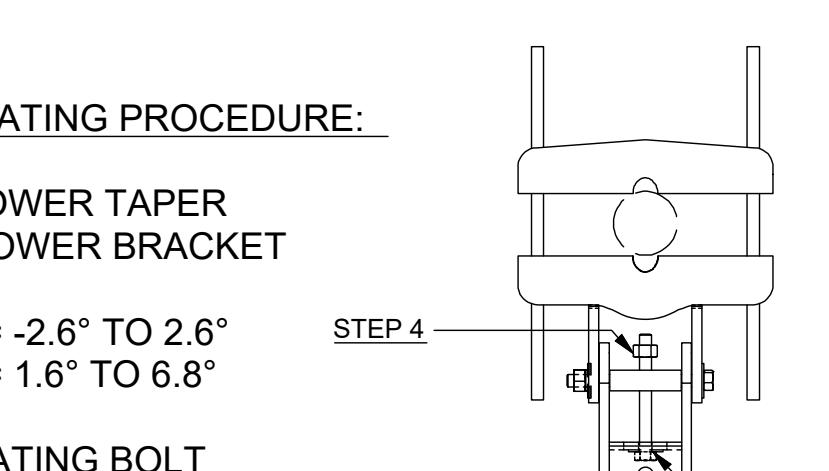
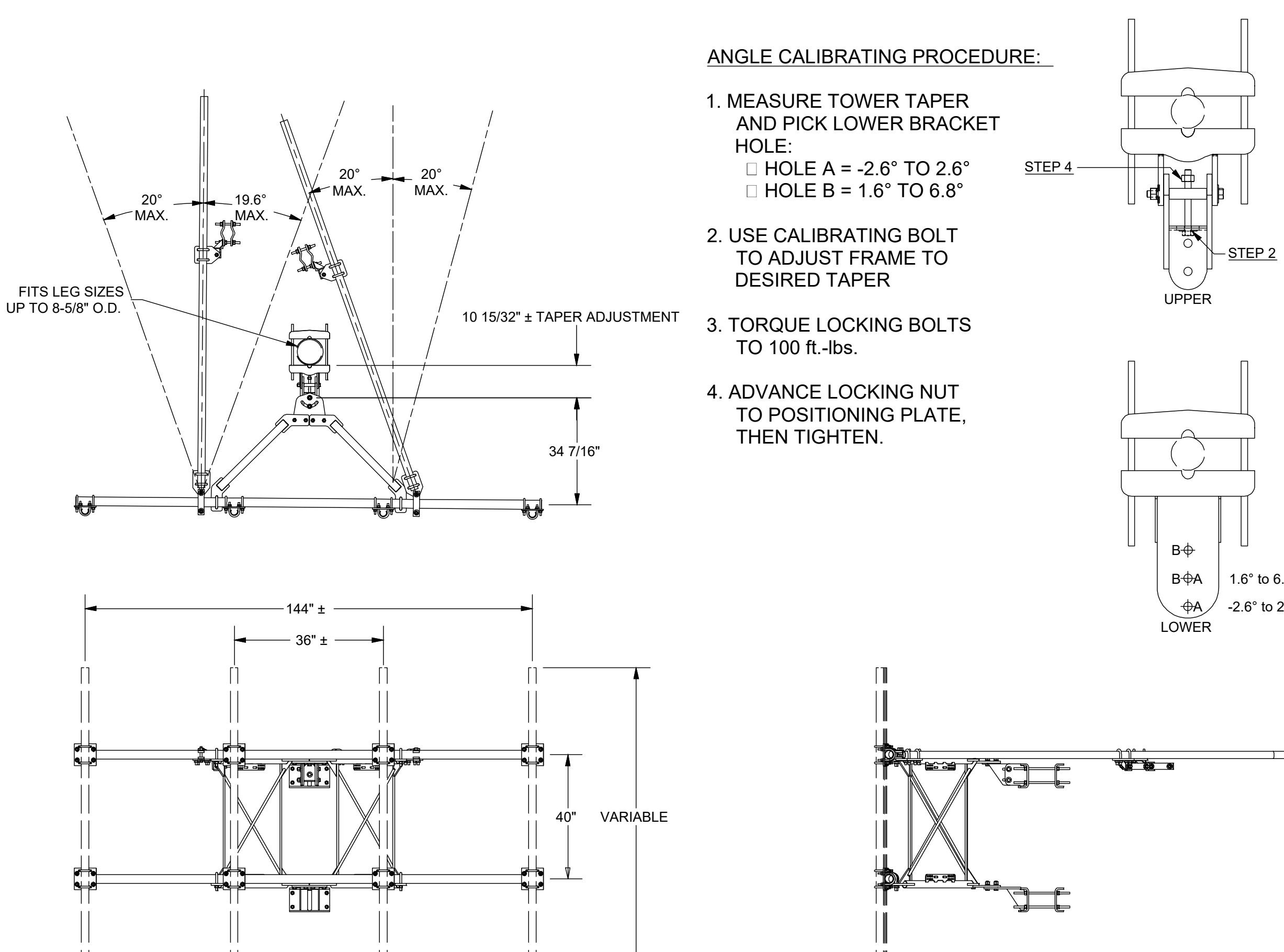
SHEET NUMBER:  
**A-2.2**



NEW ANTENNA SCHEDULE							
SECTOR	POSITION	TECH	ANTENNA	RRH	AZIMUTH	TOP HEIGHT	ANTENNA DIMS (HxWxD)
ALPHA	1	5G	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B5/B12A*	SEE FINAL RFDS	84'-0"	96X19.6X7.8
ALPHA	2	5G	AIR6419 B77D (STACKED) AIR6419 B77G (STACKED)		-	-	-
ALPHA	3	LTE	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B25/B66 (1) 4478 B14	SEE FINAL RFDS	84'-0"	96X19.6X7.8
ALPHA	4						
BETA	1	5G	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B5/B12A*	SEE FINAL RFDS	84'-0"	96X19.6X7.8
BETA	2	5G	AIR6419 B77D (STACKED) AIR6419 B77G (STACKED)		-	-	-
BETA	3	LTE	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B25/B66 (1) 4478 B14	SEE FINAL RFDS	-	-
BETA	4					84'-0"	96X19.6X7.8
GAMMA	1	5G	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B5/B12A*	SEE FINAL RFDS	84'-0"	96X19.6X7.8
GAMMA	2	5G	AIR6419 B77D (STACKED) AIR6419 B77G (STACKED)		-	-	-
GAMMA	3	LTE	COMMSCOPE - NNNH4-65C-R6-V3*	(1) 4490 B25/B66 (1) 4478 B14	SEE FINAL RFDS	-	-
GAMMA	4					84'-0"	96X19.6X7.8

NOTE: CONFIRM THAT GENERAL CONTRACTOR IS USING LATEST VERSION OF RFDS.  
\*OR SIMILAR

2 RF SCHEDULE  
SCALE: NOT TO SCALE



1 ANTENNA PLAN  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)

SITE TYPE: MONPOLE/WUC



AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

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4	01/14/23	CLIENT COMMENTS
5	07/18/24	CLIENT COMMENTS
6	08/19/24	CLIENT COMMENTS
7	01/14/25	CLIENT COMMENTS
8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:  
  
SIGNED, 19 MAR 2025  
EXPIRES, 28 FEB 2027

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:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
**ANTENNA PLAN & DETAILS**

SHEET NUMBER:  
**A-3**

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

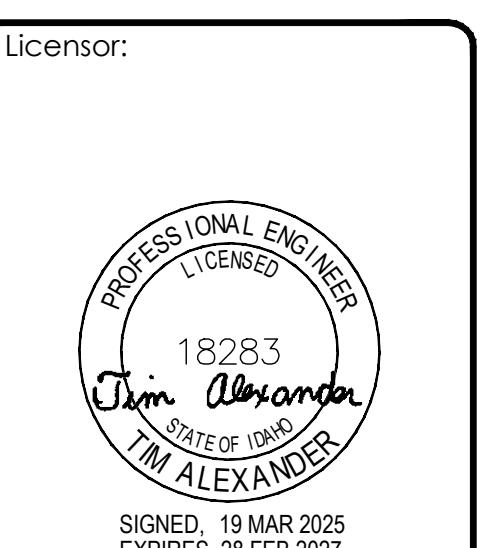
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
B	12/03/21	CLIENT REVISIONS
0	12/24/21	CLIENT REVISIONS
1	01/10/22	CLIENT REVISIONS
2	02/14/22	CLIENT REVISIONS
3	12/08/22	JDX COMMENTS
4	01/16/23	CLIENT COMMENTS
5	07/18/24	CLIENT COMMENTS
6	08/19/24	CLIENT COMMENTS
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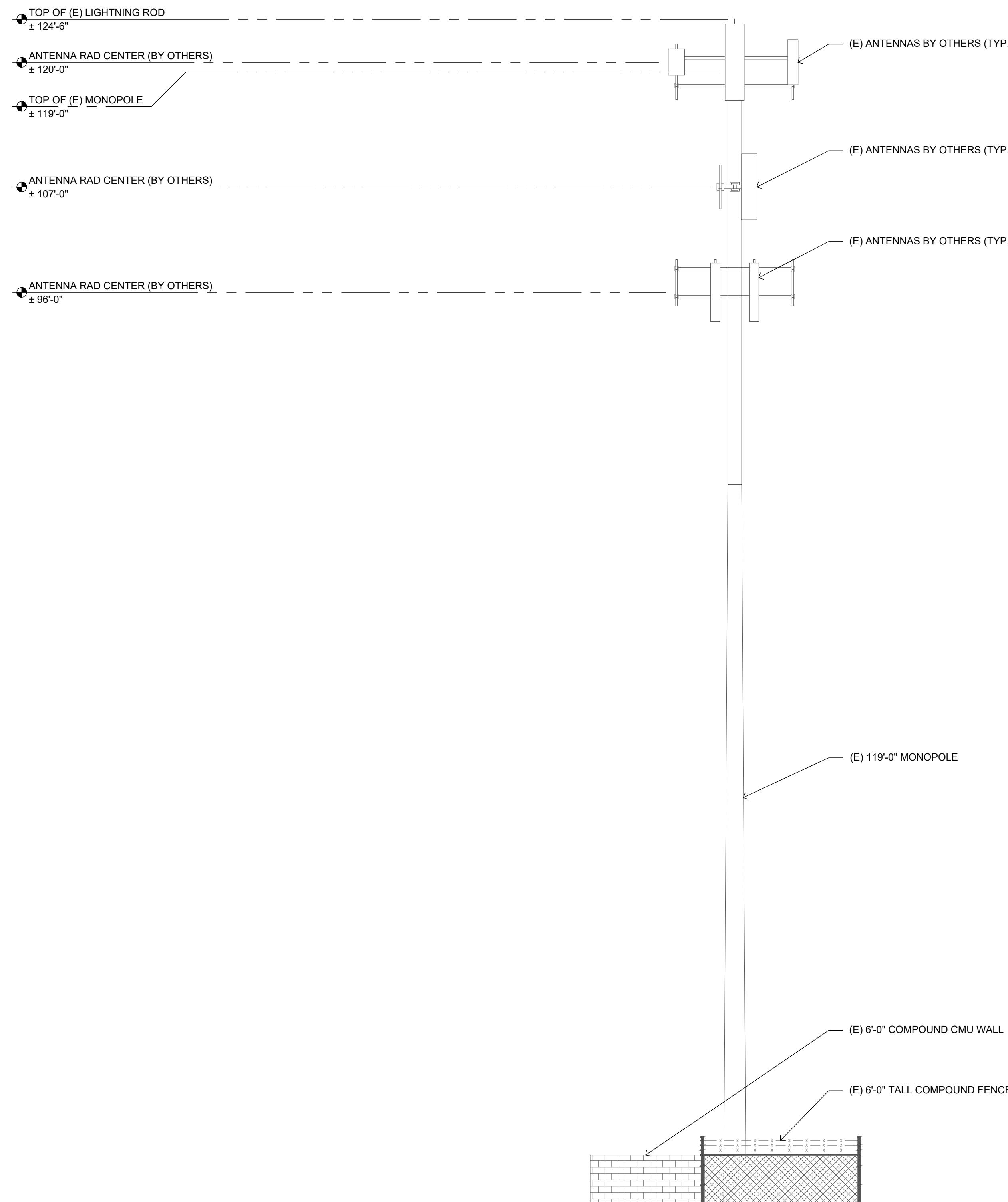
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
PROPOSED  
MONOPOLE NORTH -  
ELEVATION

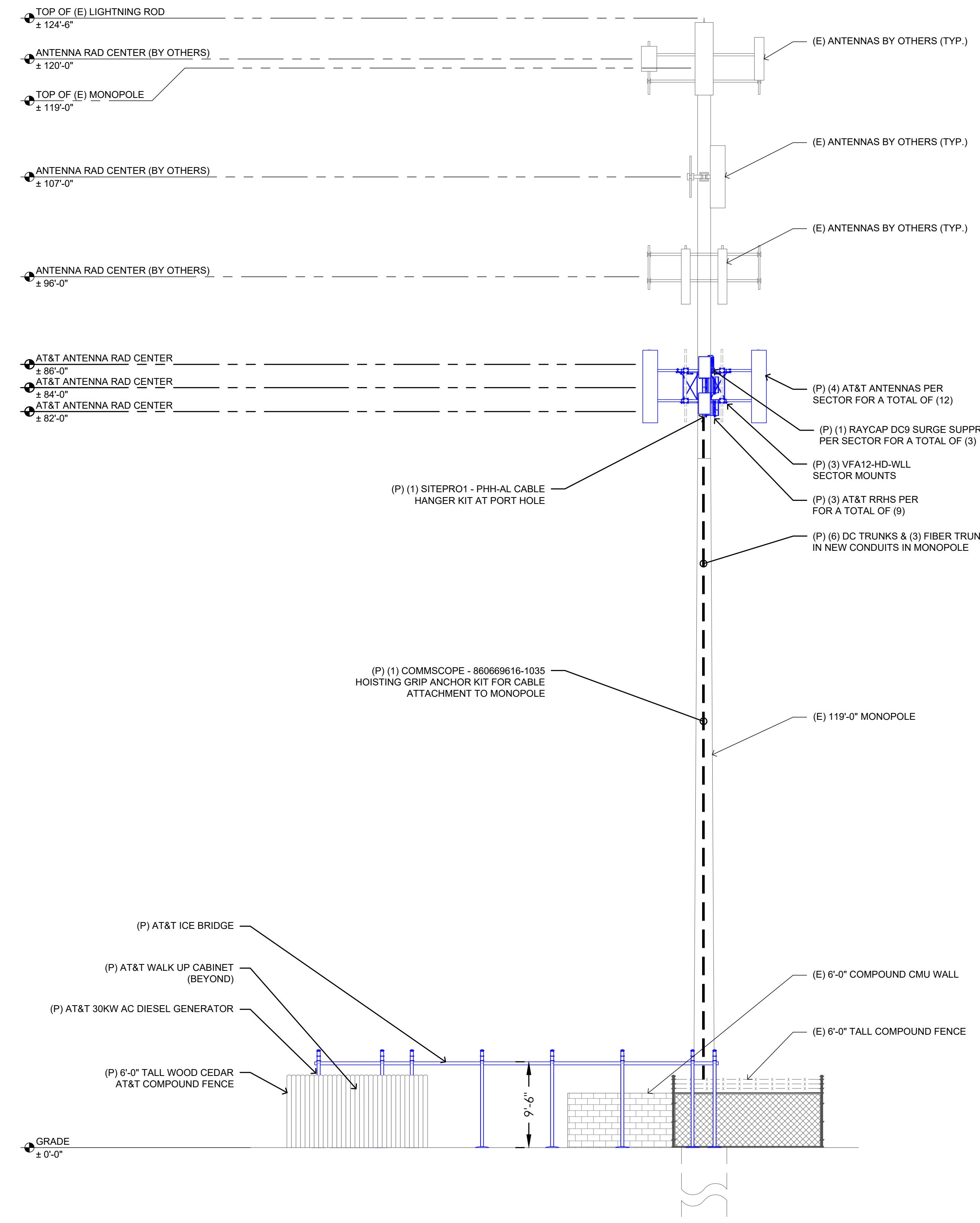
SHEET NUMBER:

**A-4.1**



2 EXISTING SOUTH ELEVATION

SCALE: 3/16=1'-0" (11x17) 3/32=1'-0" (11x17)



1 PROPOSED SOUTH ELEVATION

SCALE: 3/16=1'-0" (11x17) 3/32=1'-0" (11x17)

SITE TYPE: MONPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:



PREPARED FOR:



A&E:



AT&T SITE NO: IDL02365

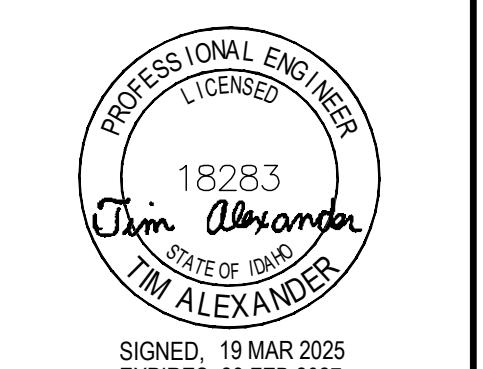
BU NO: 824322

DRAWN BY: NP

CHECKED BY: CM

REV	DATE	DESCRIPTION
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1	01/10/22	CLIENT REVISIONS
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5	07/18/24	CLIENT COMMENTS
6	08/19/24	CLIENT COMMENTS
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9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:



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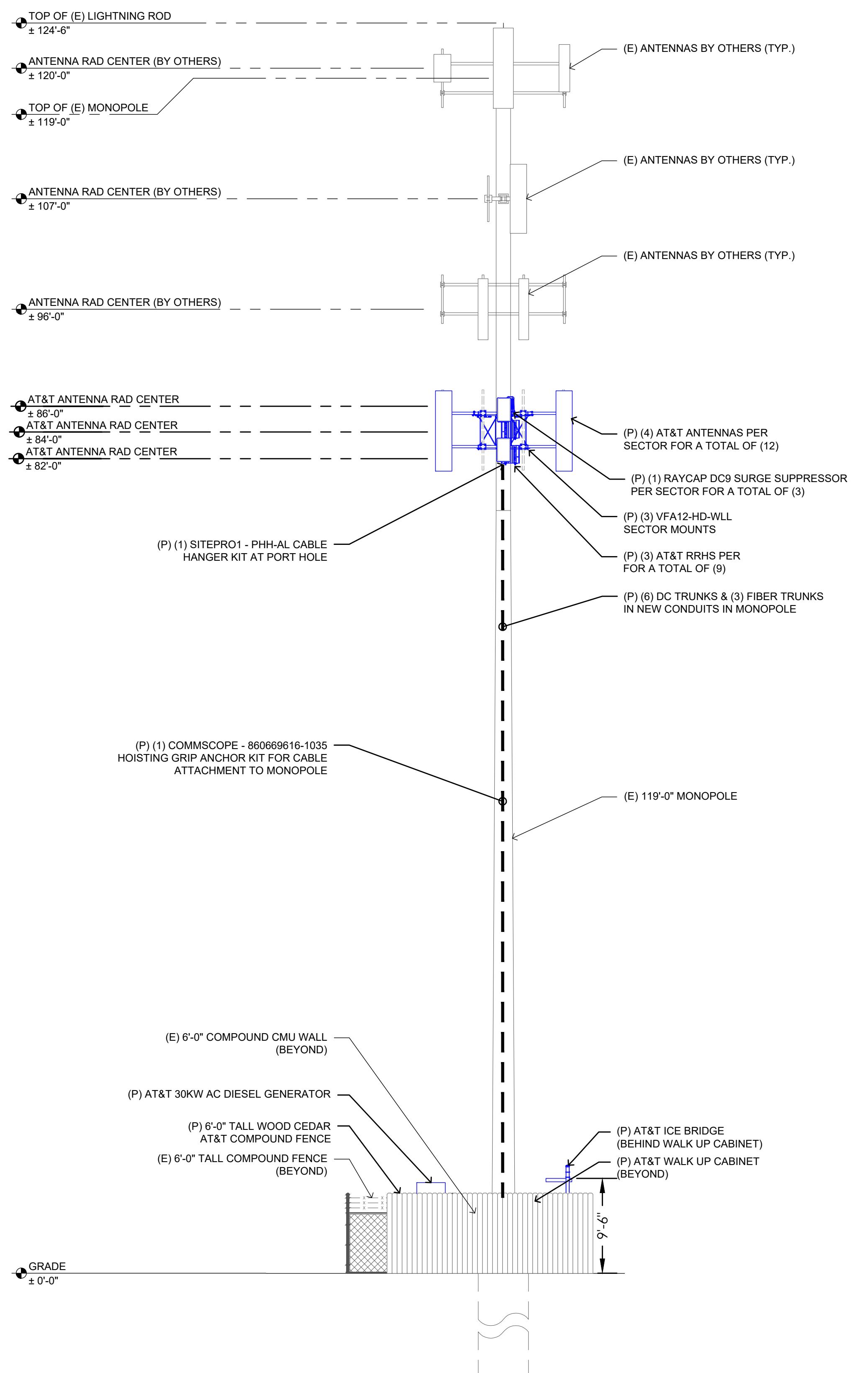
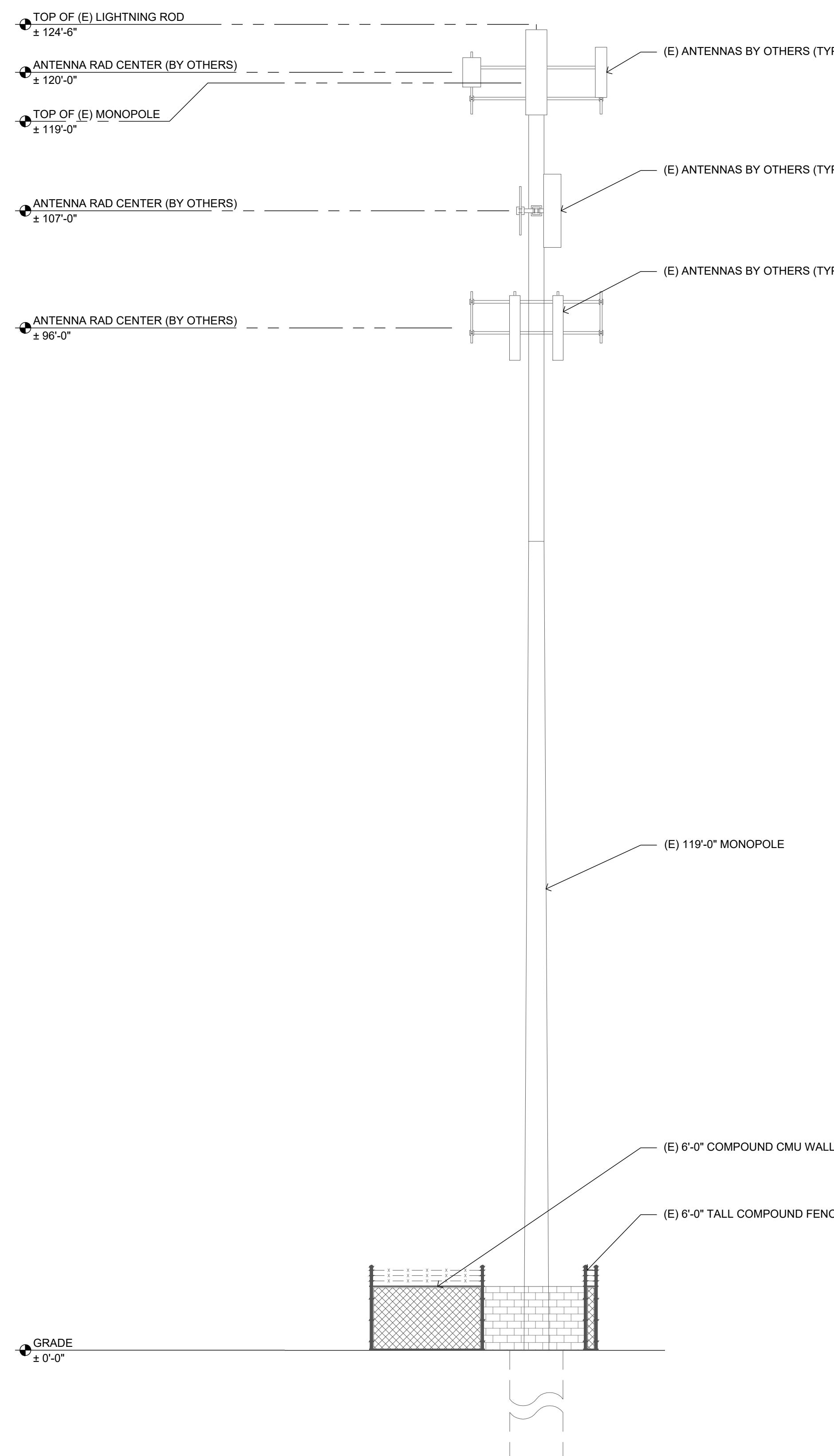
Issued For:

3/19/25  
PRELIMINARY CD'S

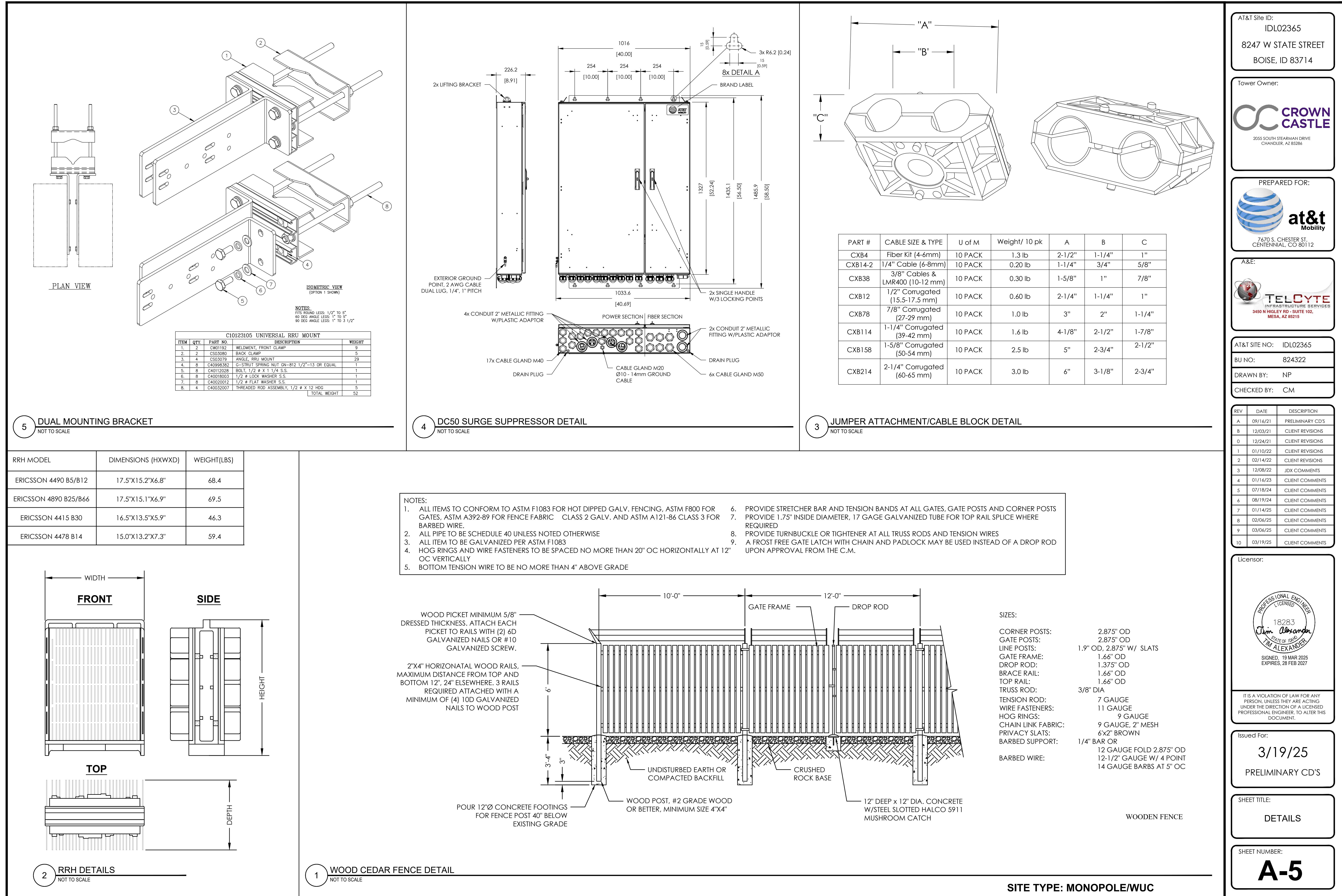
SHEET TITLE:  
PROPOSED  
MONOPOLE WEST  
ELEVATION

SHEET NUMBER:

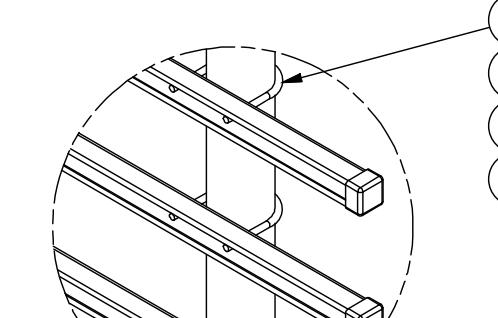
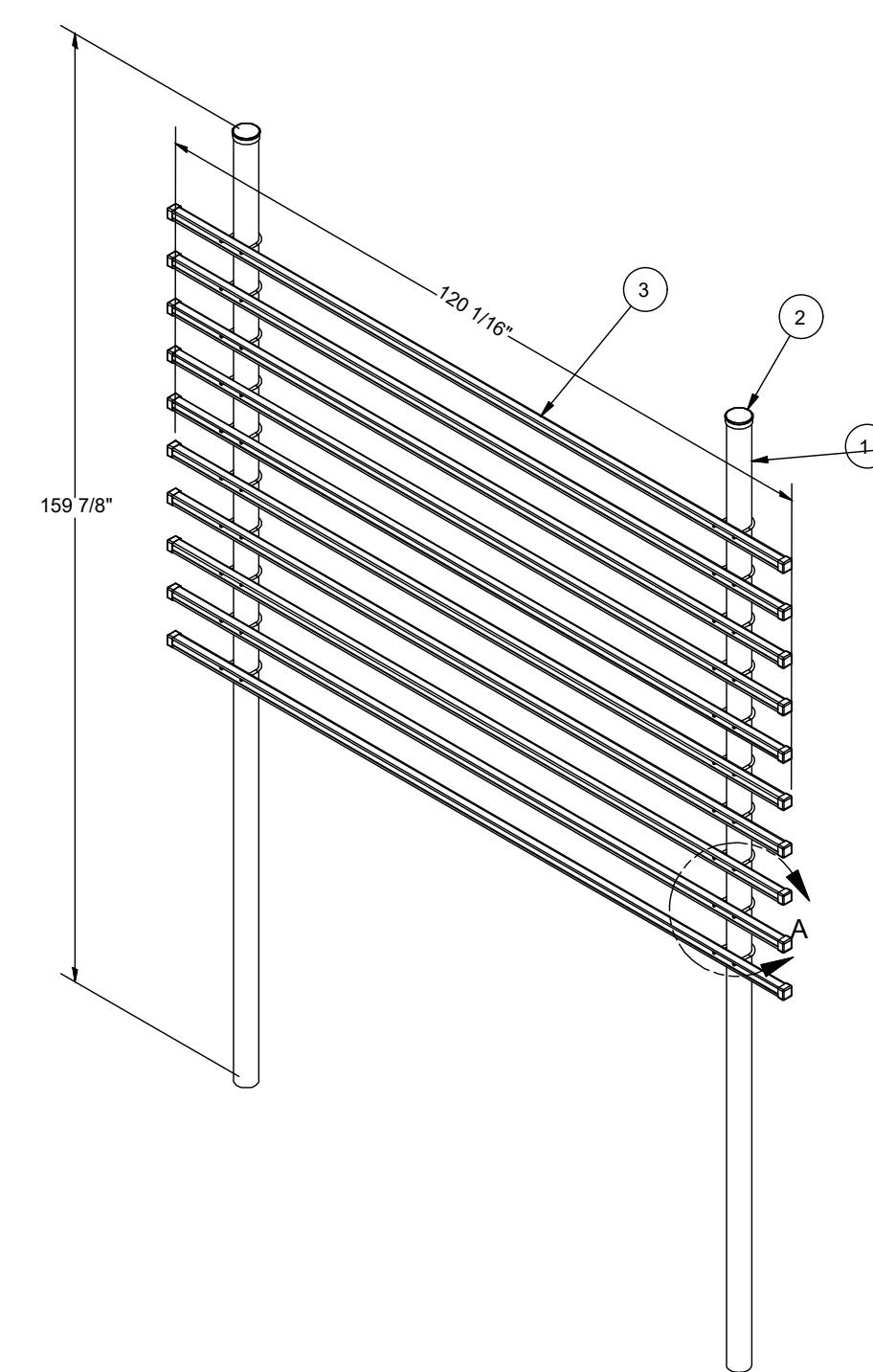
**A-4.2**



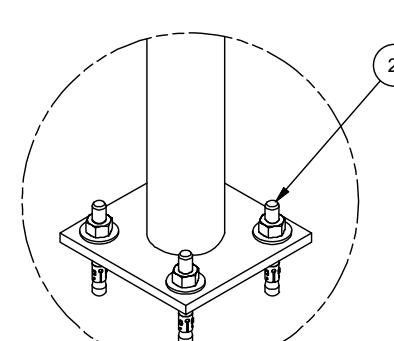
SITE TYPE: MONPOLE/WUC



PARTS LIST				
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH
1	2	P3160	3-1/2" X 160' SCH 40 GALVANIZED PIPE	160 in
2	2	PC312	3-1/2" FENCE POST CAP	0.59
3	10	UNT10	UNISTRUT	20.38
4	20	X-UB3312	3/8" X 3-1/2" X 4-3/4" X 2" U-BOLT (HDG.)	0.73
5	40	G38FW	3/8" HDG USS FLATWASHER	0.01
6	40	G38LW	3/8" HDG LOCKWASHER	0.01
7	40	G38NUT	3/8" HDG HEAVY 2H HEX NUT	0.03
8	20	UNICAP	UNISTRUT END CAP	0.03
				TOTAL WT. # 417.77



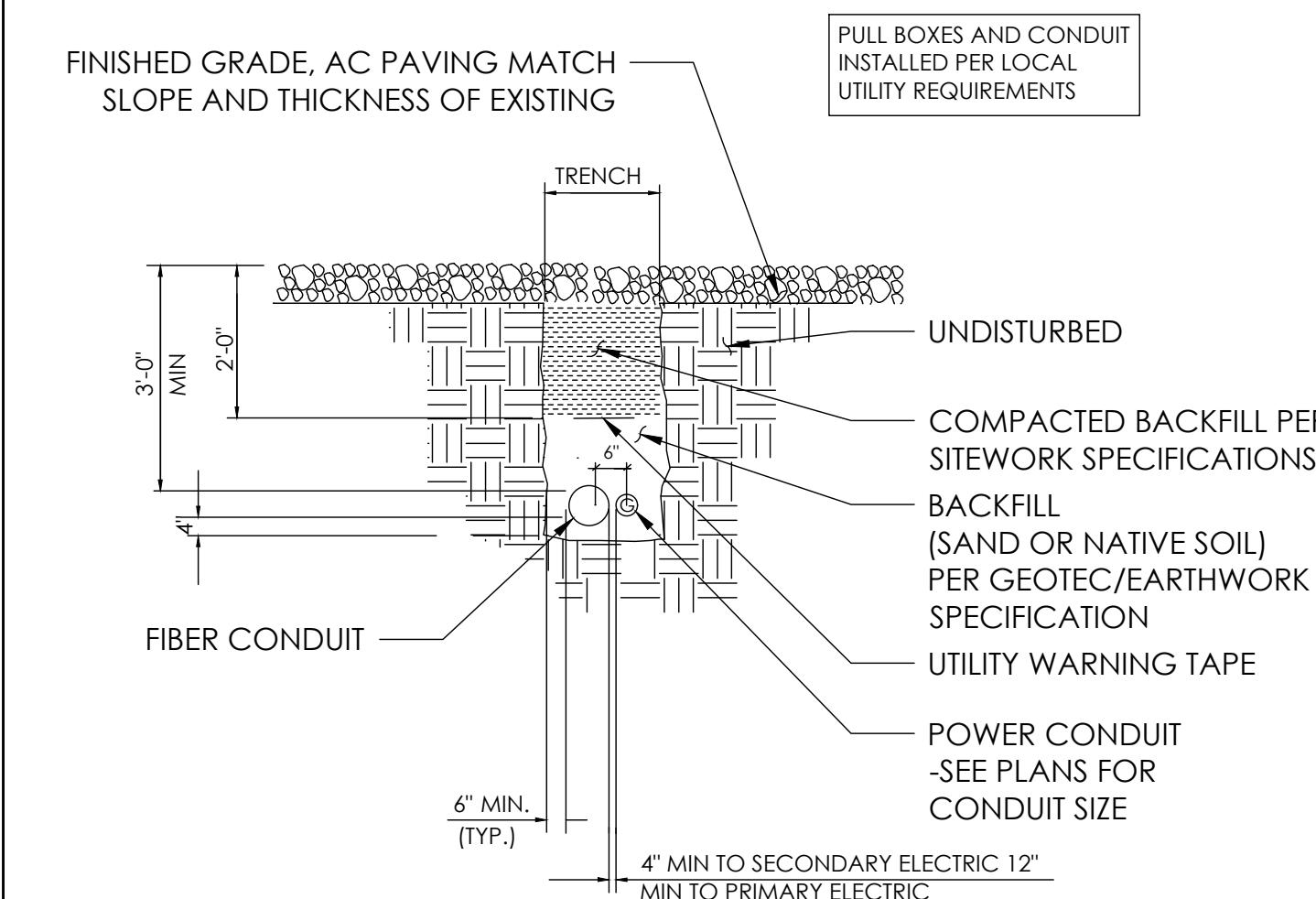
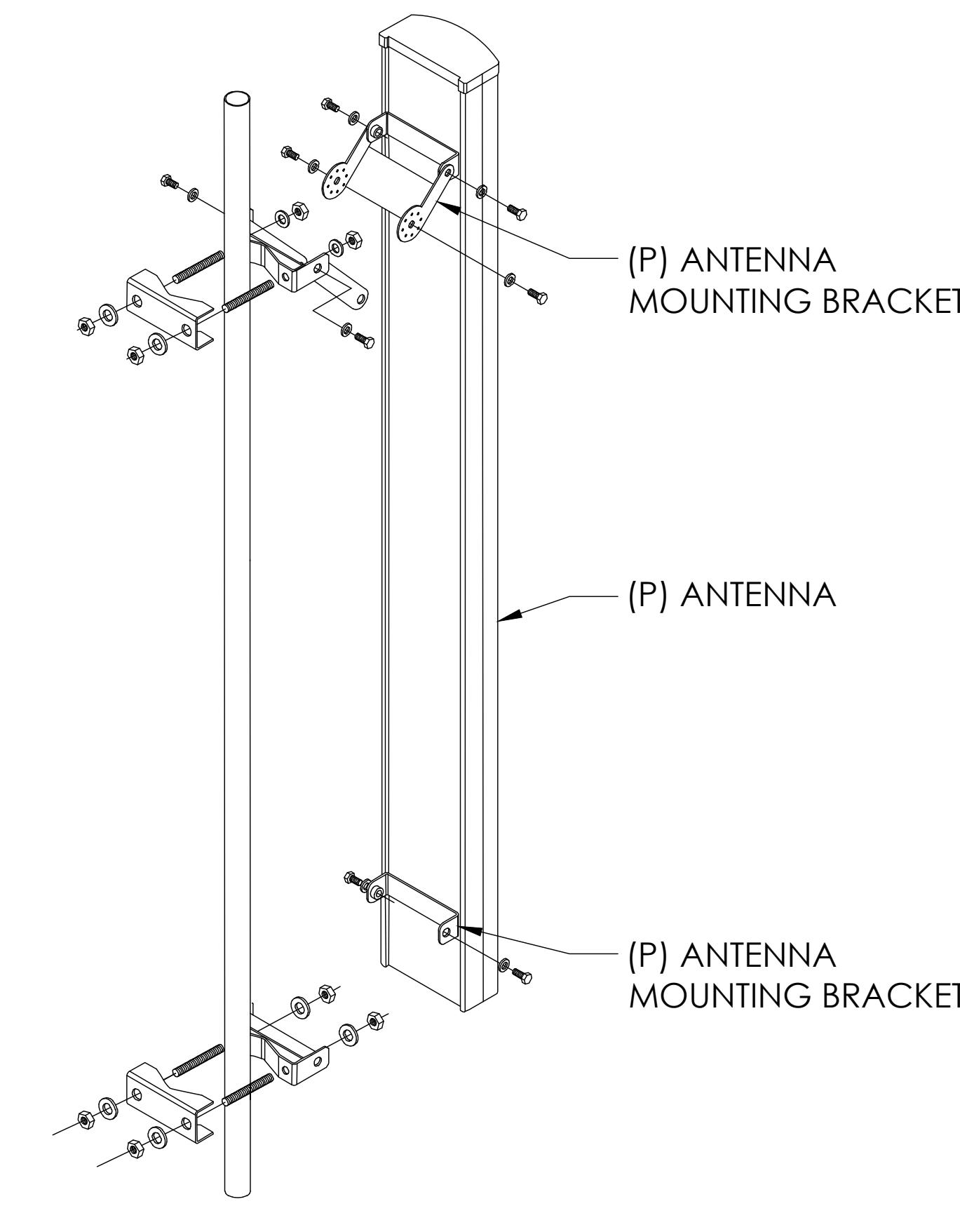
DETAIL A



DETAIL A

PARTS LIST				
ITEM	QTY	PART NO.	PART DESCRIPTION	UNIT WT.
1	1	X-SP126	BASE SHOE PLATE PIPE COLUMN	89.00
2	4	SWA585	5/8" X 5" STAINLESS WEDGE ANCHOR	0.64
				TOTAL WT. # 91.55

BASE SHOE

6 SITEPRO1 - ER105D H-FRAME DETAIL  
NOT TO SCALE5 CONDUIT TRENCHING DETAIL  
NOT TO SCALE4 ANTENNA MOUNTING DETAILS  
NOT TO SCALE

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:

**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
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0	12/24/21	CLIENT REVISIONS
1	01/10/22	CLIENT REVISIONS
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7	01/14/25	CLIENT COMMENTS
8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:  
  
PROFESSIONAL ENG. NEER  
LICENCED  
18283  
Tim Alexander  
STATE OF IDAHO  
SIGNED, 19 MAR 2025  
EXPIRES, 28 FEB 2027

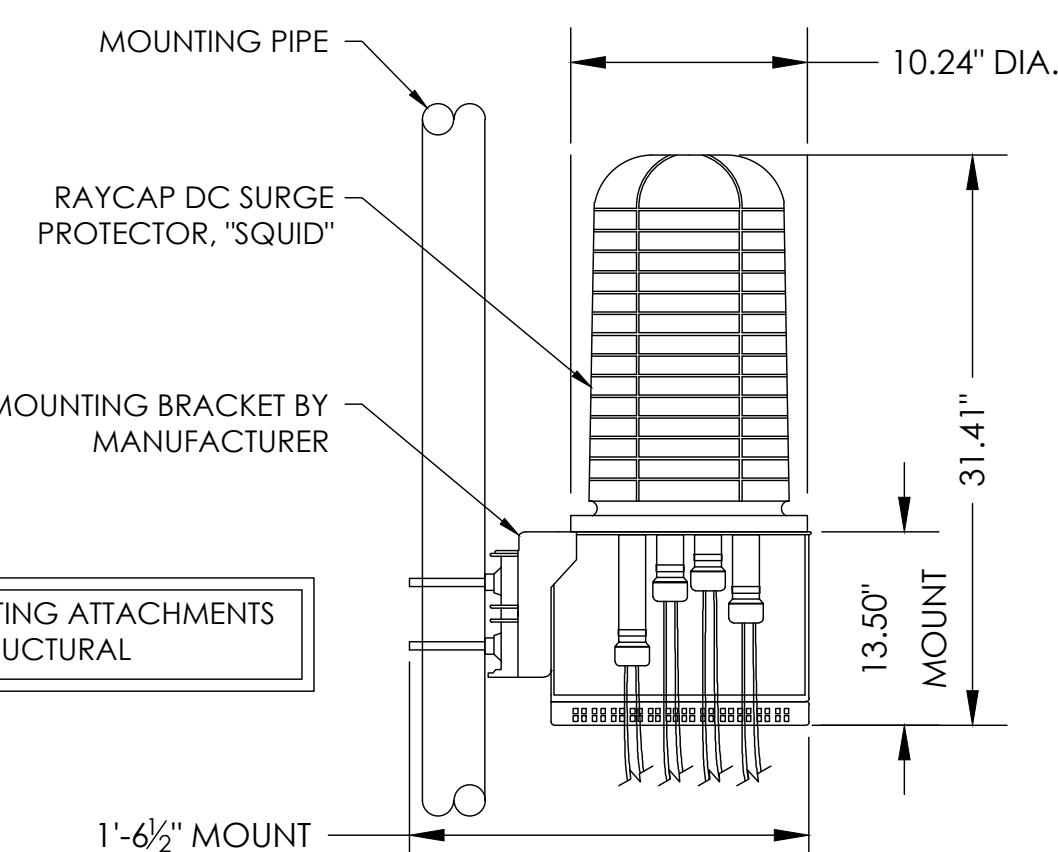
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Issued For:  
3/19/25  
PRELIMINARY CD'S

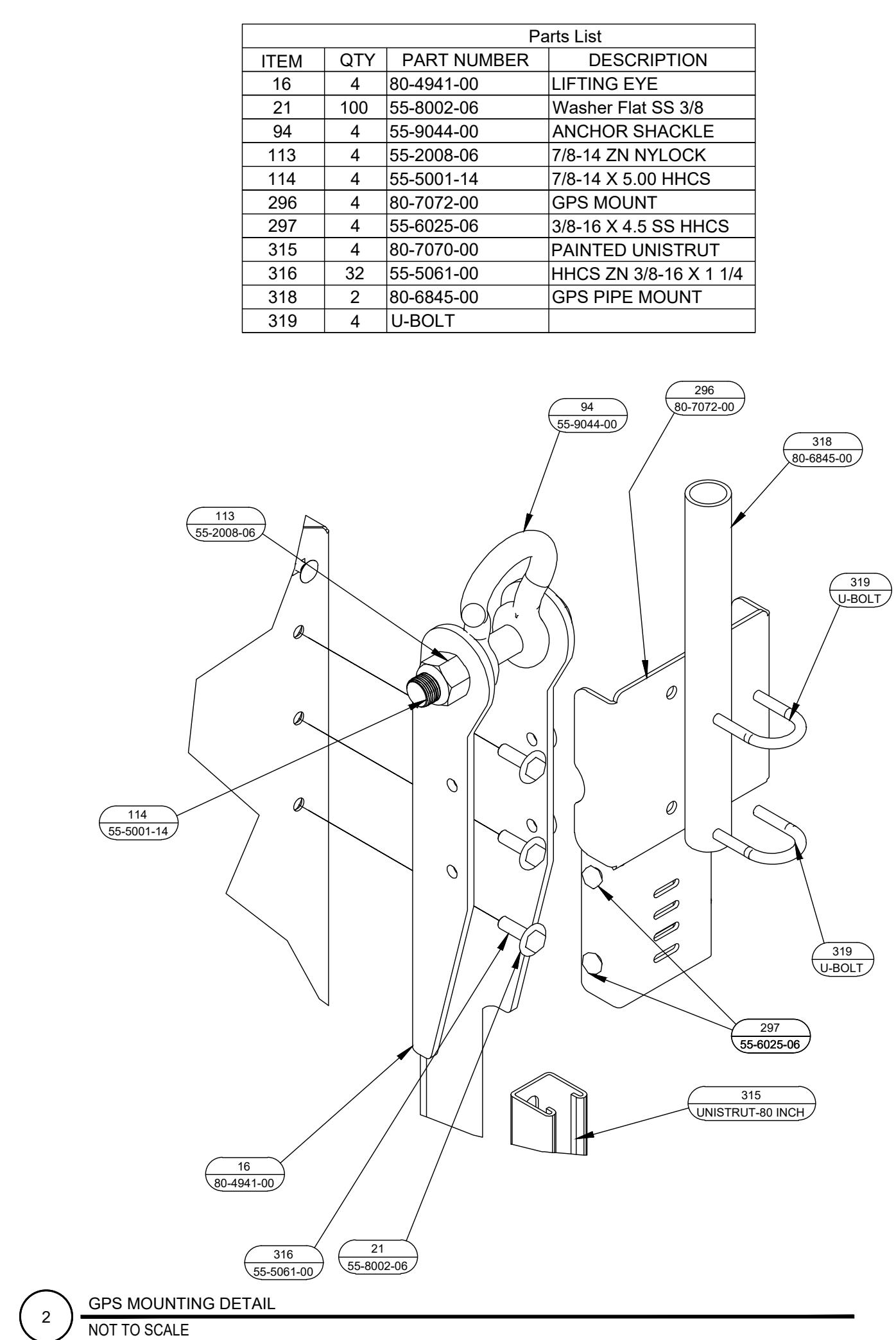
SHEET TITLE:  
DETAILS

SHEET NUMBER:  
**A-5.1**

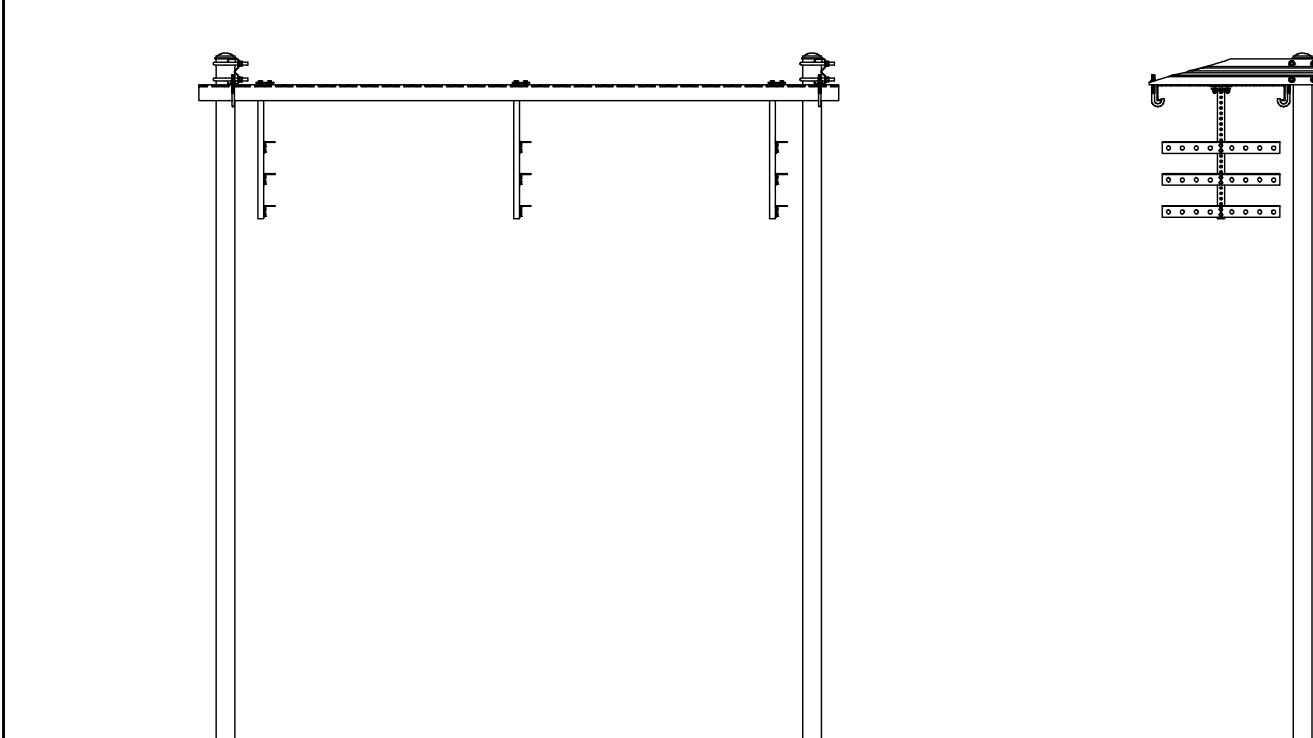
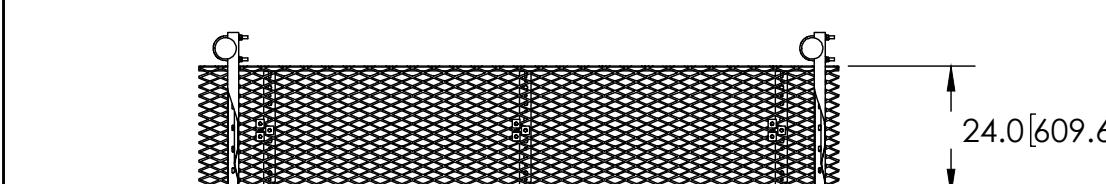
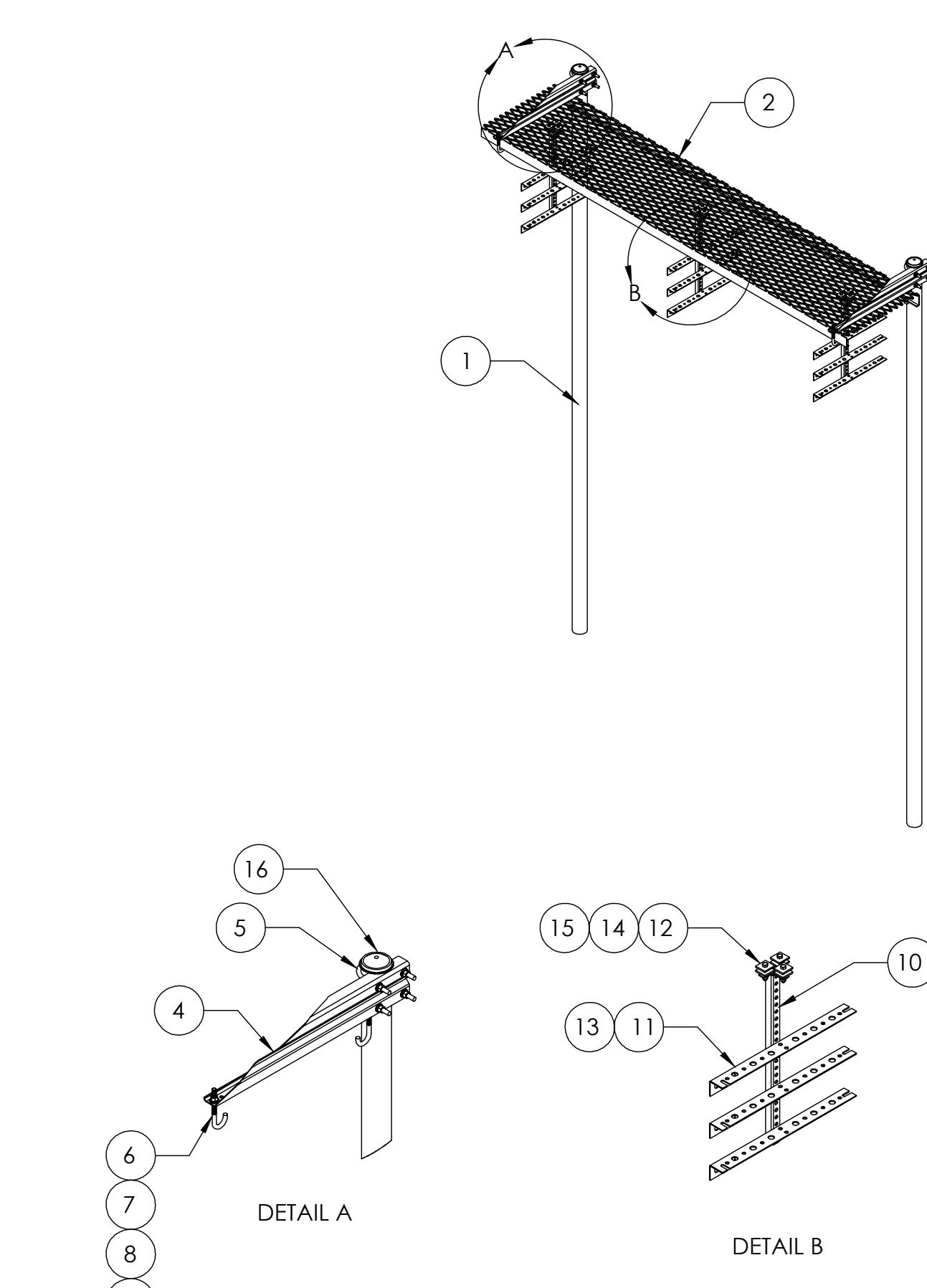
MANUF: RAYCAP  
DESC: SURGE PROTECTOR "SQUID" (OR SIMILAR)  
MODEL: DC9-48-60-24-8C-EV  
WEIGHT: 26.2 LBS

3 SURGE SUPPRESSOR DETAIL  
NOT TO SCALE

Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	
16	4	80-4941-00	LIFTING EYE	
21	100	55-8002-06	Washer Flat SS 3/8	
94	4	55-9044-00	ANCHOR SHACKLE	
113	4	55-2008-06	7/8-14 ZN NYLOCK	
114	4	55-5001-14	7/8-14 X 5.00 HHCS	
296	4	80-7072-00	GPS MOUNT	
297	4	55-6025-06	3/8-16 X 4.5 SS HHCS	
315	4	80-7070-00	PAINTED UNISTRUT	
316	32	55-5061-00	HHCS ZN 3/8-16 X 1 1/4	
318	2	80-6845-00	GPS PIPE MOUNT	
319	4	U-BOLT		

2 GPS MOUNTING DETAIL  
NOT TO SCALE

ITEM	PART NO.	DESCRIPTION	QTY.	WEIGHT
1	MF-130	Ø3.5" O.D. X 13'-4" DIRECT BURIAL PIPE COLUMN	2	101.38 LBS
2	WB-CY210	SAFETY GRATING 24" X 10'	1	111.00 LBS
3	WBK210BHK	HARDWARE KIT (ITEMS 4-16)	1	
4	WBLB243.08	24" WAVEGUIDE BRIDGE SUPPORT BRACKET	2	7.14 LBS
5	GUB-4356	1/2" X 3-5/8" X 6" GALV U-BOLT KIT	4	0.83 LBS
6	WJB6	1/2" J-BOLT	4	0.41 LBS
7	GWF-04	1/2" GALV FLAT WASHER	4	0.01 LBS
8	GWL-04	1/2" GALV LOCK WASHER	4	0.01 LBS
9	GN-04	1/2" GALV HEX NUT	4	0.04 LBS
10	WBT243.01	VERTICAL TRAPEZE SECTION	3	2.53 LBS
11	WBT243.02	HORIZONTAL TRAPEZE SECTION	9	2.81 LBS
12	MT-387	SQUARE WASHER, 1-1/2" X 1-5/8" W/ 7/16" HOLE	18	0.12 LBS
13	GB-03105	3/8" X 1" GALV BOLT KIT	18	0.04 LBS
14	GB-03205	3/8" X 2" GALV BOLT KIT	9	0.04 LBS
15	GWF-03	3/8" GALV FLAT WASHER	9	0.01 LBS
16	PC-034	Ø3 1/2" PIPE CAP	2	0.28 LBS

NOTES:  
1. ALL METRIC DIMENSIONS ARE IN BRACKETS.1 ICE BRIDGE DETAIL  
NOT TO SCALE

SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:



PREPARED FOR:



A&E:



AT&T SITE NO: IDL02365

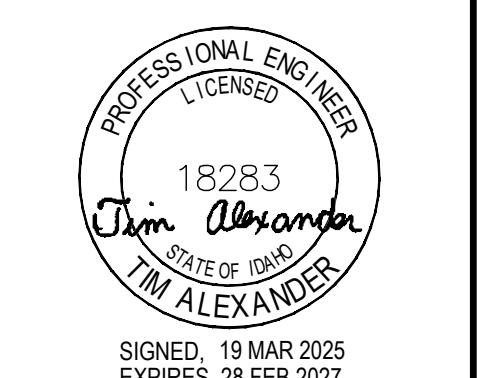
BU NO: 82432

DRAWN BY: NP

CHECKED BY: CM

REV	DATE	DESCRIPTION
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B	12/03/21	CLIENT REVISIONS
0	12/24/21	CLIENT REVISIONS
1	01/10/22	CLIENT REVISIONS
2	02/14/22	CLIENT REVISIONS
3	12/08/22	JDX COMMENTS
4	01/16/23	CLIENT COMMENTS
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6	08/19/24	CLIENT COMMENTS
7	01/14/25	CLIENT COMMENTS
8	02/06/25	CLIENT COMMENTS
9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS

Licensor:



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Issued For:

3/19/25

PRELIMINARY CD'S

SHEET TITLE:

SHEET NUMBER:

**A-5.2**

1.0 GENERAL NOTES  
1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS [X.X]  
1.2 FOR PATENT INFO: <https://www.cs-pat.com>

2.0 DESIGN NOTES

2.1 ANY HAZARDS OR OBSTRUCTIONS TO THE CLIMBING FACILITY AND SAFETY CLIMB MUST BE IDENTIFIED PRIOR TO INSTALLING THE APPURTENANCE. ADDITIONAL PRODUCTS MAY BE REQUIRED TO MAINTAIN THE INTEGRITY OF THE SAFETY CLIMB. DURING INSTALLATION, TEMPORARY AND/OR PERMANENT PRECAUTIONARY MEASURES SHOULD BE TAKEN TO PRESERVE THE CLIMBING FACILITY AND/OR SAFETY CLIMB

2.2 INSTALL SO AS TO NOT UNNECESSARILY OBSTRUCT THE CLIMBING PATH OR CLIMBING FACILITY  
2.3 THREADED RODS CAN BE CUT BACK POST INSTALLATION TO PREVENT OBSTRUCTION AS PER REQUIREMENTS OF TOWER OWNER

2.4 REVIEWED FOR USE WITH A MINIMUM POLE DIAMETER OF 10" WITH WALL THICKNESS OF 3/16" AND A YIELD STRENGTH OF 36 KSI. FOR USE ON THINNER MATERIAL REQUIRES ADDITIONAL ENGINEERING REVIEW

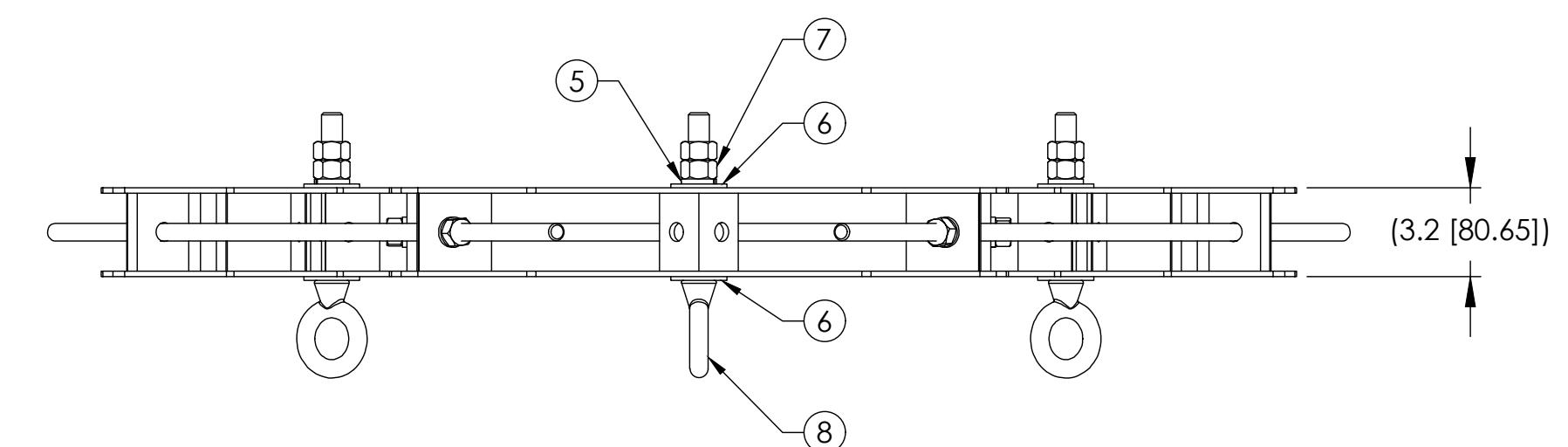
3.0 MANUFACTURING/SPECIAL REQUIREMENTS

3.1 TIGHTEN ALL BOLTS SECURING FLAT PLATES BY THE TURN-OF-NUT METHOD. TIGHTEN ALL U-BOLTS USING TURN-OF-NUT METHOD WITH ATTENTION TO LEAVE EQUAL DISTANCE AND EQUAL FORCE ON EACH LEG OF THE U-BOLT

4.0 TEST

5.0 PACKAGING

5.1 PACKAGING SHALL MEET COMMSCOPE REQUIREMENTS PER DOCUMENT IS-PL-3005  
5.2 PRINTED DOCUMENT TO BE PLACED INSIDE POLYBAG AND THEN IN SHIPPING CONTAINER  
5.3 EXTRA HARDWARE MAY BE SUPPLIED, BAGGED AND SHIPPED



NOTE: 1 - MAXIMUM NET CABLE WEIGHT FOR STRAIGHT POLES:

A - PER EYEBOLT = 750 LBS

B - PER MOUNT = 2250 LBS

2 - MAXIMUM NET CABLE WEIGHT FOR TAPERED POLES:

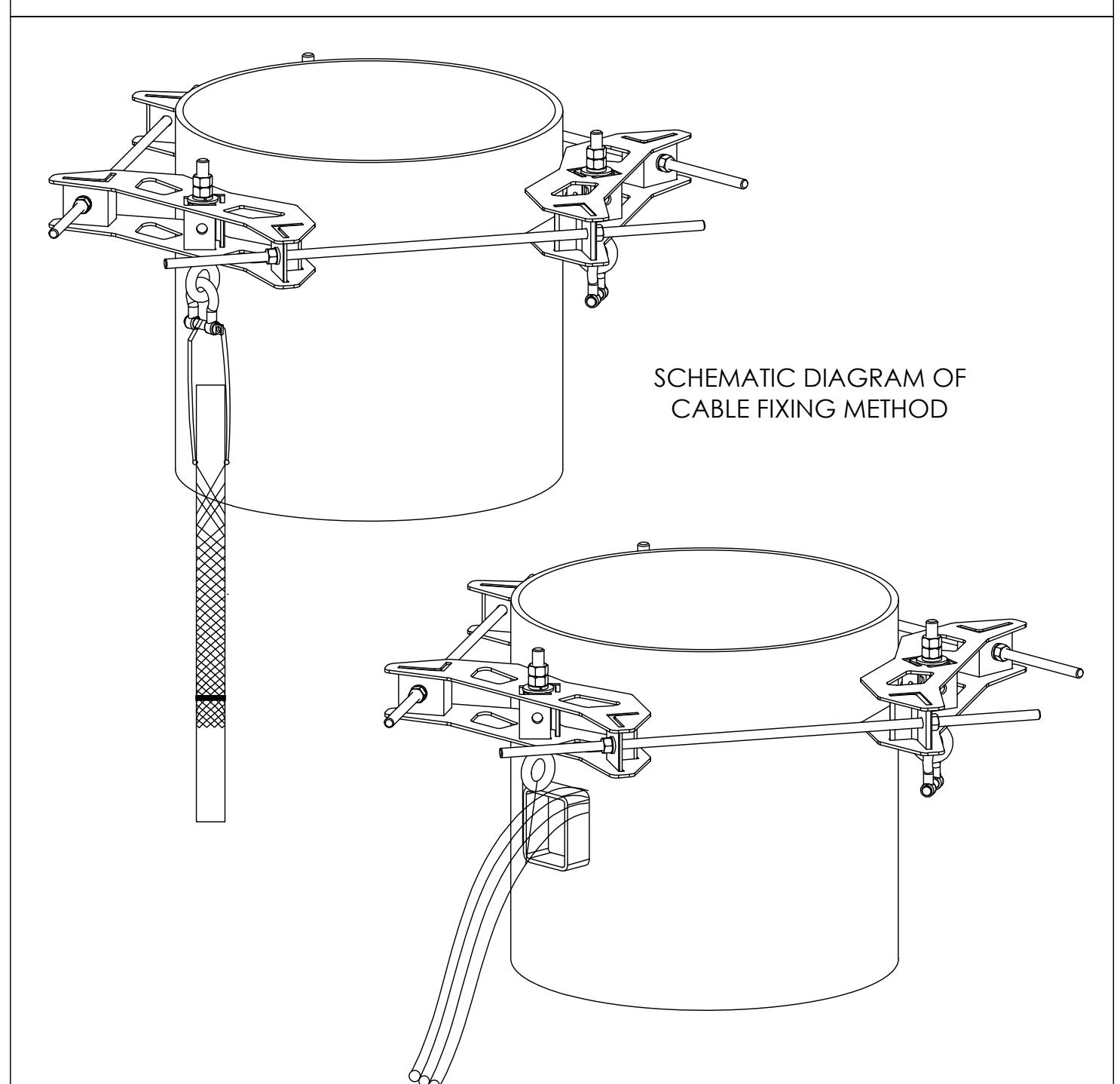
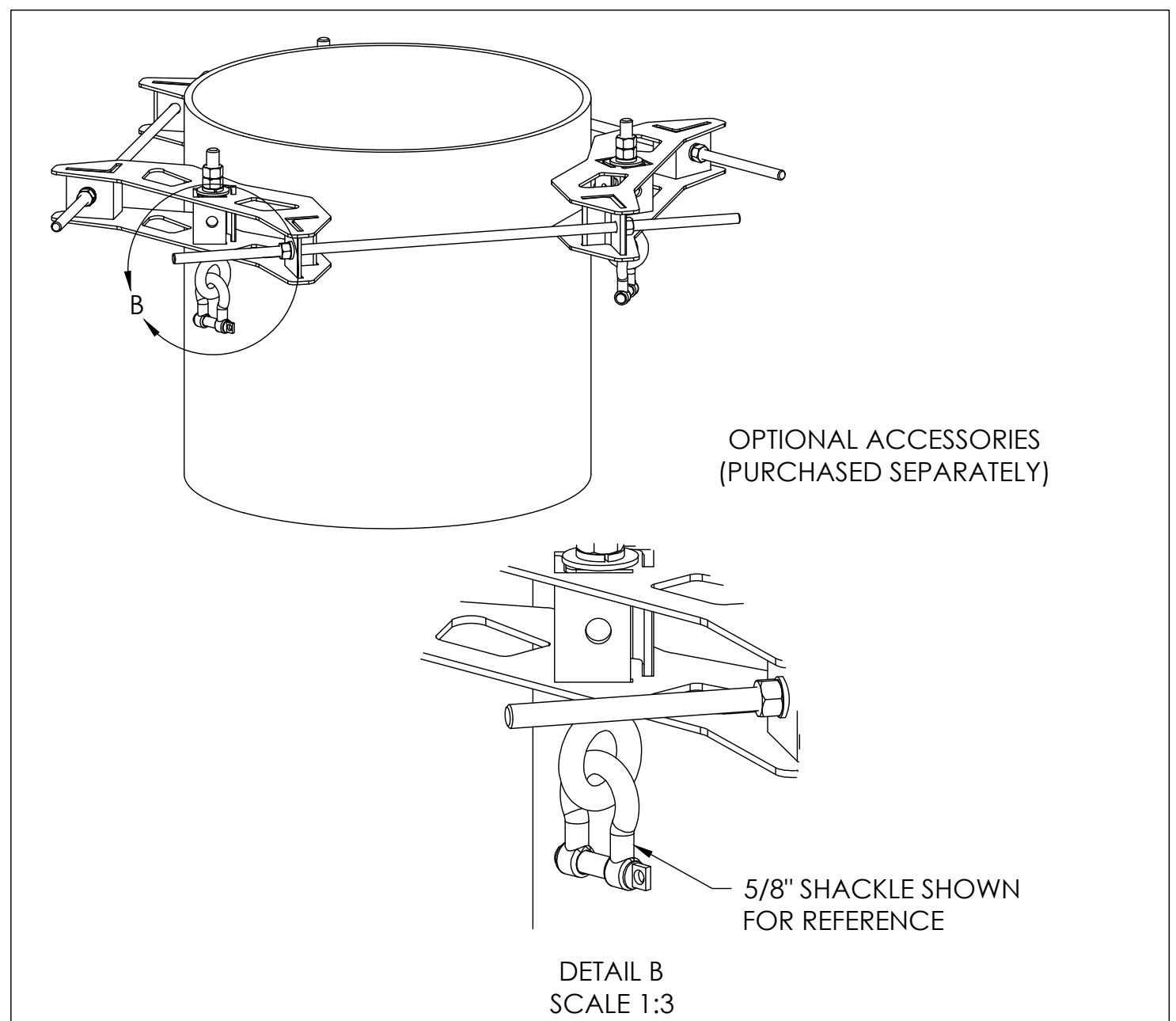
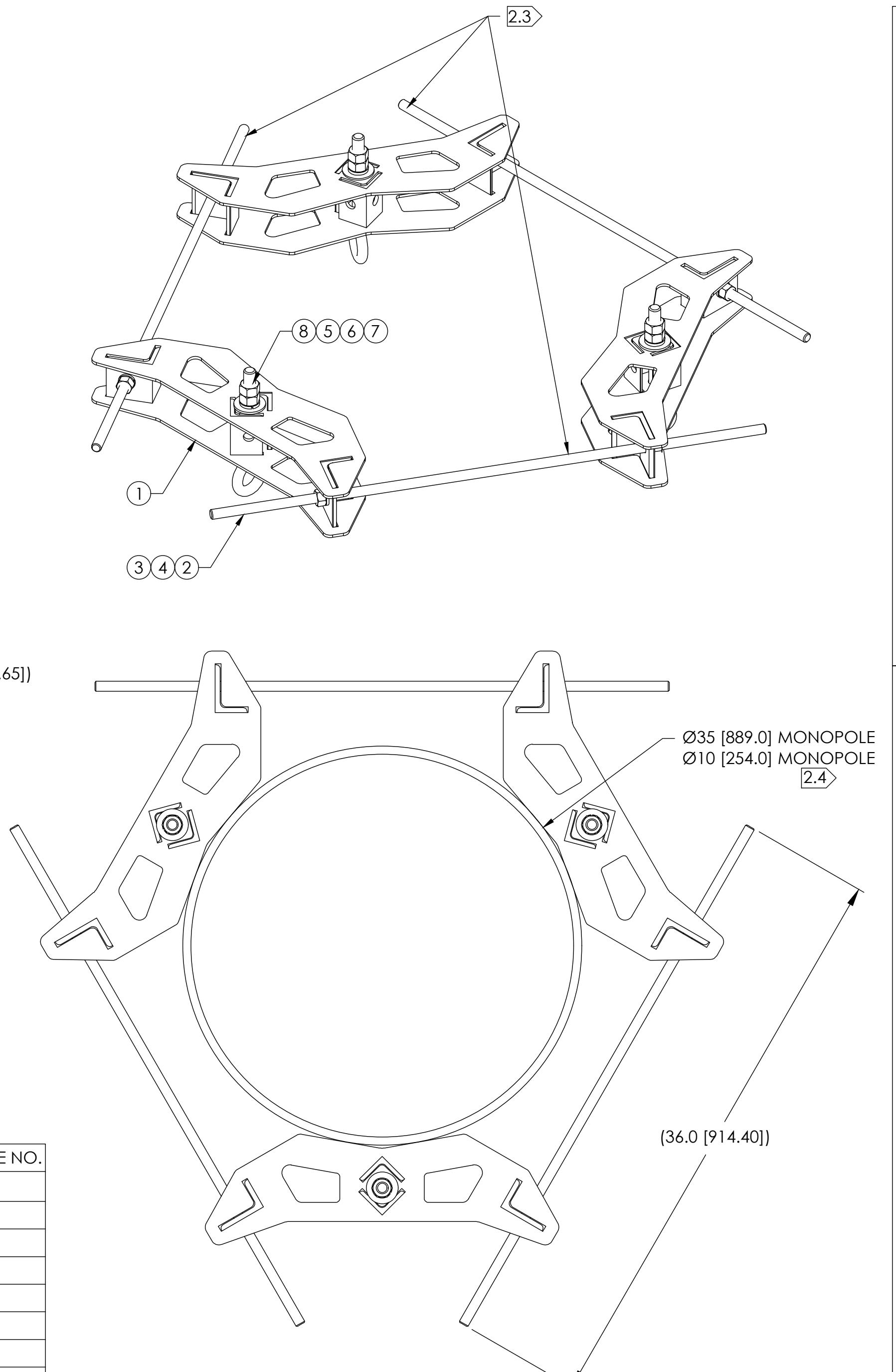
A - PER EYEBOLT = 1000 LBS

B - PER MOUNT = 3000 LBS

3 - REVIEWED FOR USE WITH A MINIMUM POLE DIAMETER OF 10" WITH WALL THICKNESS OF 3/16" AND A YIELD STRENGTH OF 36 KSI. FOR USE ON THINNER MATERIAL REQUIRES ADDITIONAL ENGINEERING REVIEW

COMPONENT PART NUMBERS PROVIDED FOR ASSEMBLY PURPOSES;  
INDIVIDUAL COMPONENTS MAY BE SHIPPED AS PARTS WITHIN AN INCLUDED KIT.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	WEIGHT	NOTE NO.
1	MTC8606-02-00	HG ANCHOR, MONOPOLE MOUNT WELDMENT	3	12.45 LBS	
2	MT-382-36	5/8" X 36" GALV THREADED ROD	3	3.11 LBS	
3	GN-05	5/8" GALV HEX NUT	6	0.08 LBS	
4	GWL-05	5/8" GALV LOCK WASHER	6	0.03 LBS	
5	GWL-06	3/4" GALV LOCK WASHER	3	0.04 LBS	
6	GWF-06	3/4" GALV FLAT WASHER	6	0.10 LBS	
7	GN-06	3/4" GALV HEX NUT	3	0.15 LBS	
8	9674-4	BOLT,EYE,3/4X6,STL,GALV	3	0.20 LBS	



AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:



PREPARED FOR:



A&E:



AT&T SITE NO: IDL02365

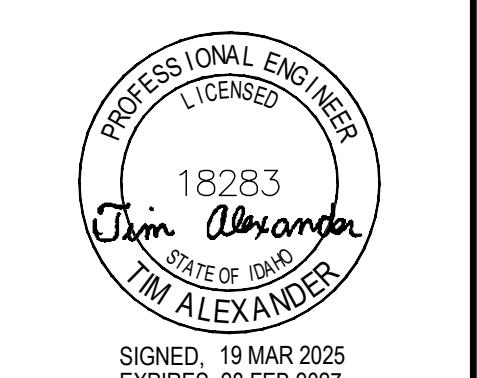
BU NO: 82432

DRAWN BY: NP

CHECKED BY: CM

REV	DATE	DESCRIPTION
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10	03/19/25	CLIENT COMMENTS

Licensor:



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Issued For:

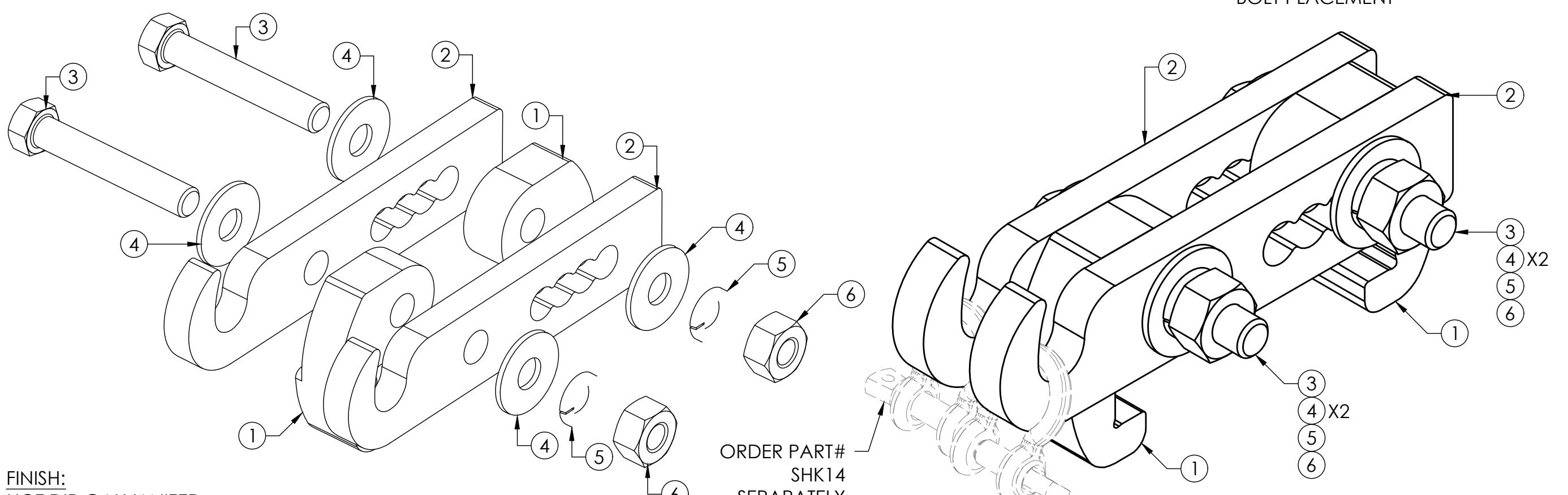
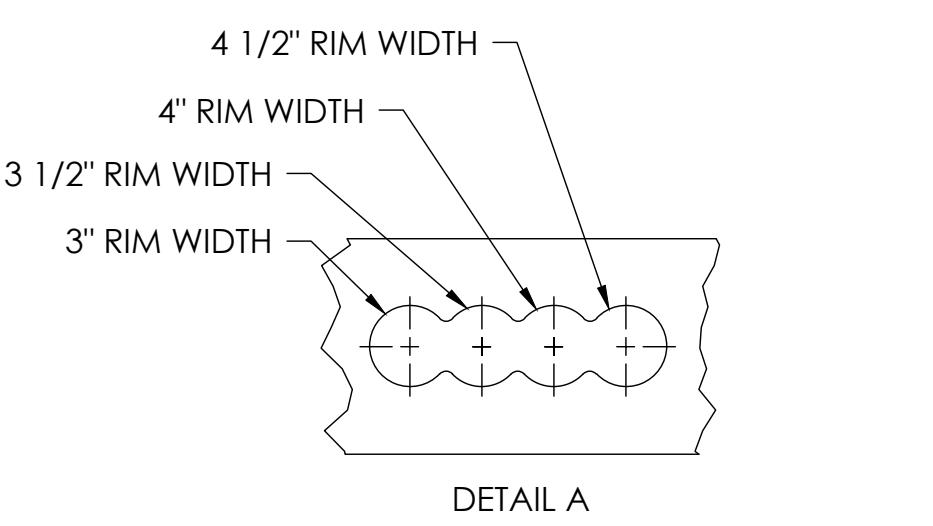
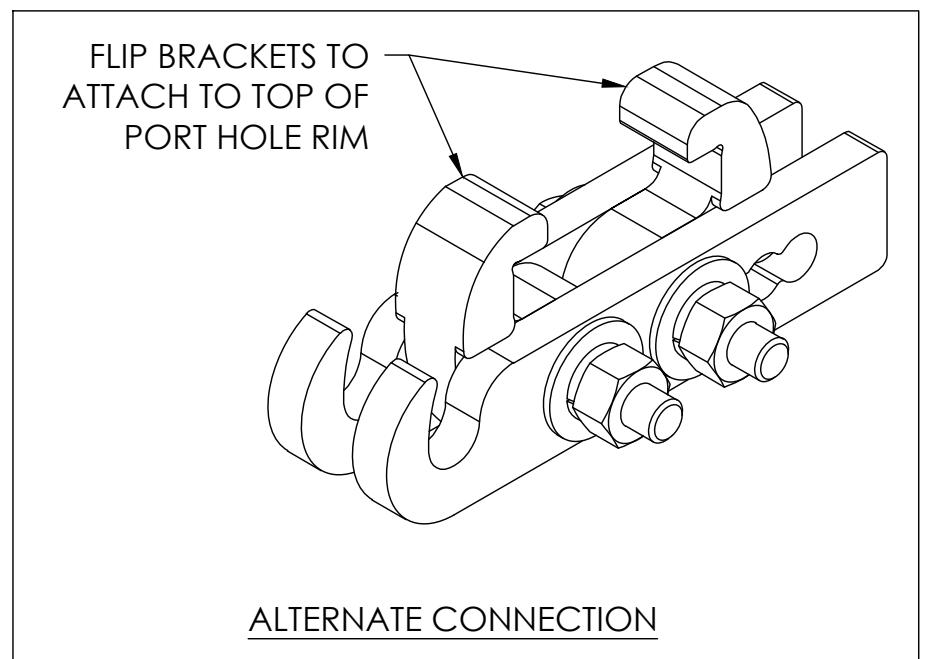
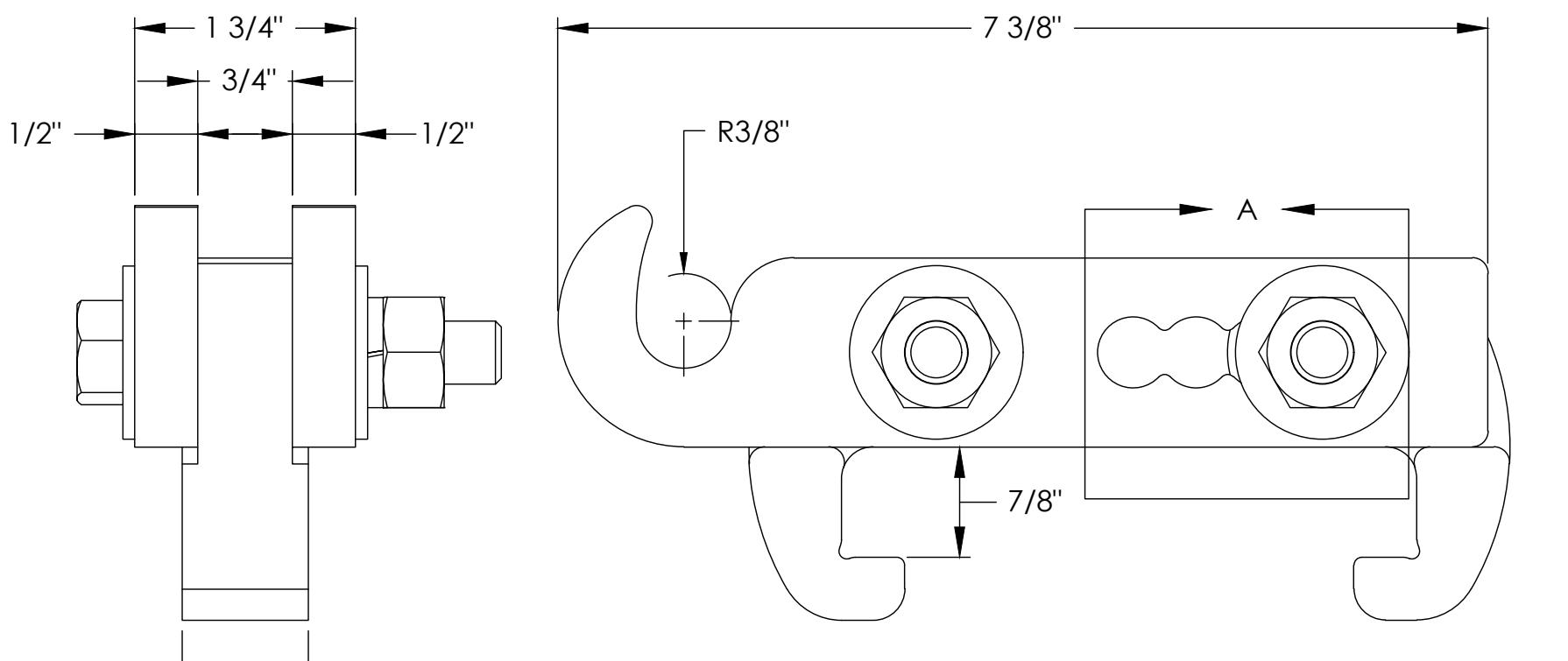
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:

SHEET NUMBER:

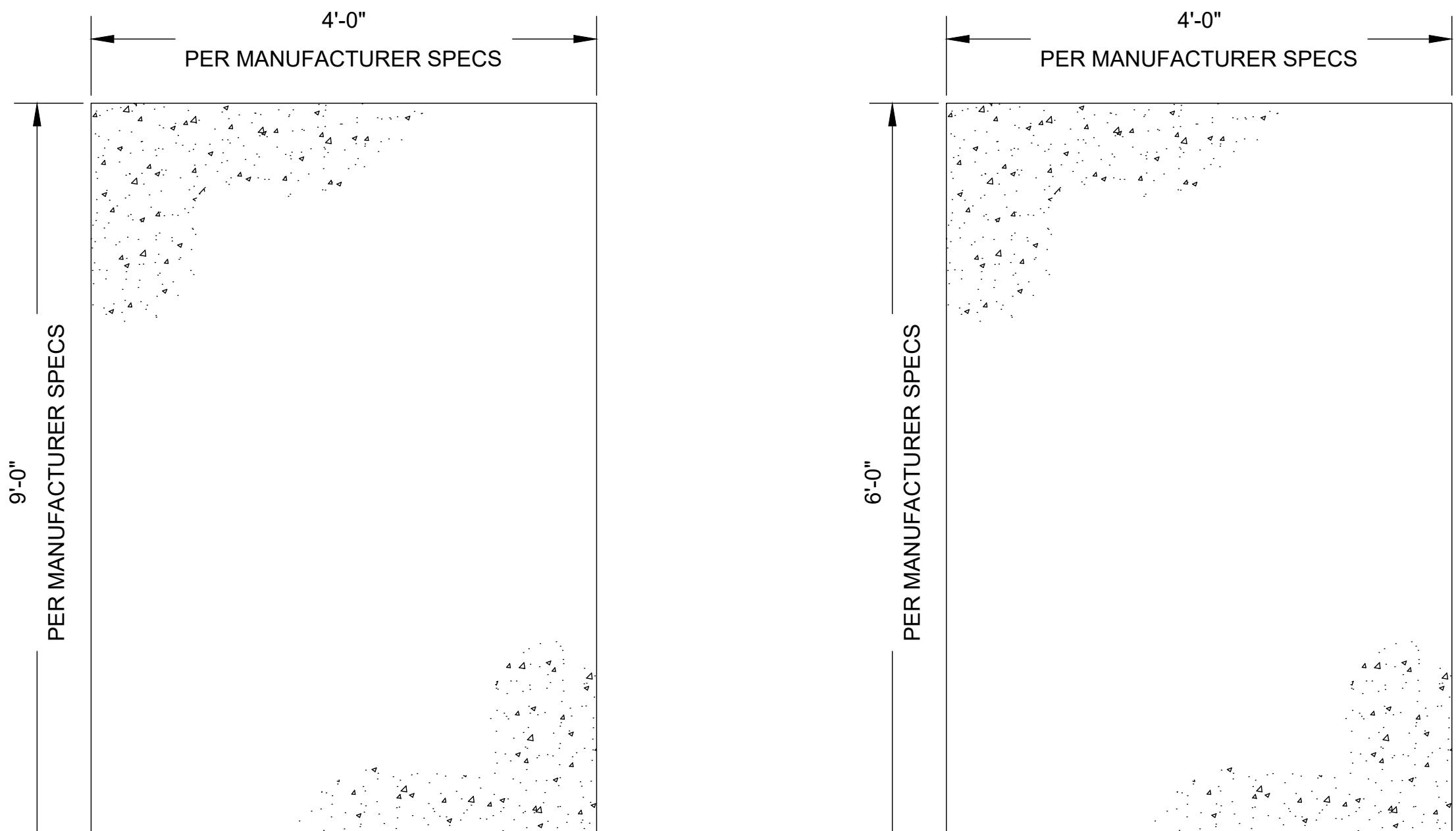
**A-5.3**

PARTS LIST					
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.
1	2	X-HHR-HANHG	1" MILL PLATE (A572 GR50)	12 in	1.14
2	2	X-HHR-HANGL	1/2" MILL PLATE (A572 GR.50)	12 in	1.34
3	2	G1203	1/2" x 3" HDG HEX BOLT GR5 FULL THREAD	3 in	0.22
4	4	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03
5	2	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01
6	2	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07
				TOTAL WT. #	5.71



## NOTES:

1. ALL DIMENSIONS OF SHELTER SHALL MATCH MANUFACTURER PROVIDED SPECIFICATIONS
2. ALL REQUIRED TIE DOWN PLATES, SHIMS, BOLTS, AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER
3. SLOPE GRADE AWAY FROM FOUNDATION.
4. SLAB DIMENSIONS, ORIENTATION, AND LOCATION OF STOPOUT TO MATCH CABINET MODEL AND DETAILS
5. GENERATOR CONCRETE PAD SHALL MATCH DETAILS AND DIMENSIONS OF THE PROVIDED GENERAC MODEL



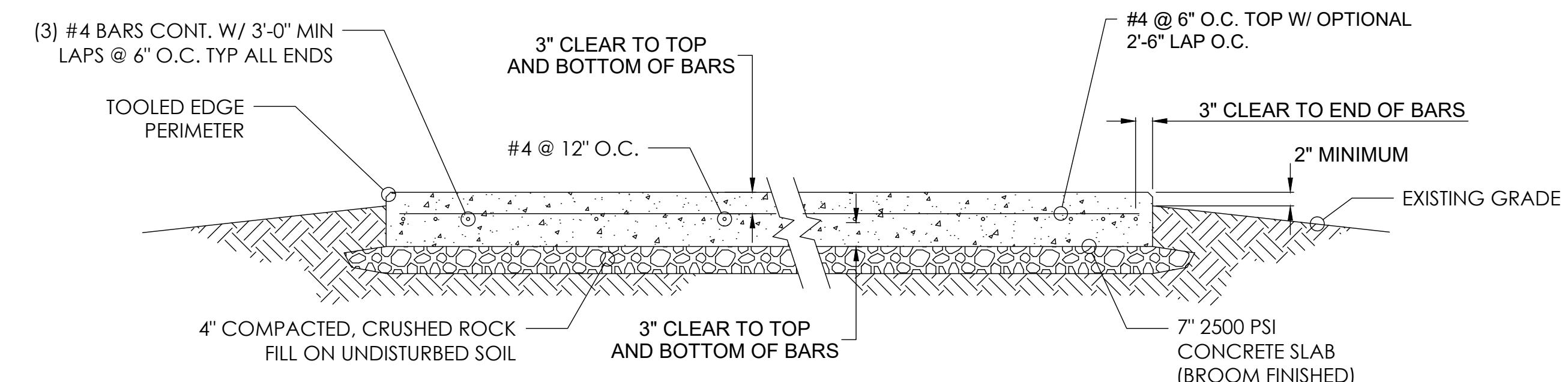
GENERATOR

WALK UP CABINET (WUC)

4 FOUNDATION DETAILS  
NOT TO SCALE

## NOTE:

1. VERIFY GENERATOR AND OR PROPANE TANK SPECS PRIOR TO CONSTRUCTION.
2. FROST DEPTH NOT CONSIDERED PER IBC 2013 SECTION 1809.5 EXCEPTION 2 (FREE STANDING BUILDINGS WITH 400 SQUARE FEET OR LESS FOR OTHER THAN LIGHT-FRAMED CONSTRUCTION)
3. INSTALL (4) HILTI HSL-3M12 ANCHOR BOLTS WITH AN EFFECTIVE EMBEDMENT DEPTH OF 3.15" (SURFACE FLATNESS MAX  $\frac{1}{4}$ " IN 10'-0")
4. FIELD VERIFY EXISTING CONDITIONS.



3 FOUNDATION SECTION DETAIL  
NOT TO SCALE

1 NOT USED  
NOT TO SCALE

SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:

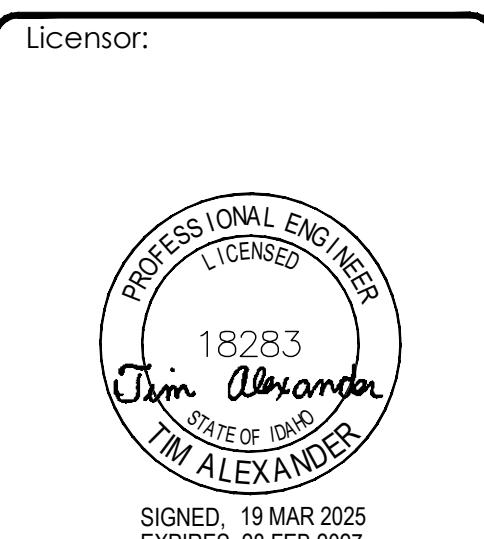
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t**  
Mobility  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
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7	01/14/25	CLIENT COMMENTS
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9	03/06/25	CLIENT COMMENTS
10	03/19/25	CLIENT COMMENTS



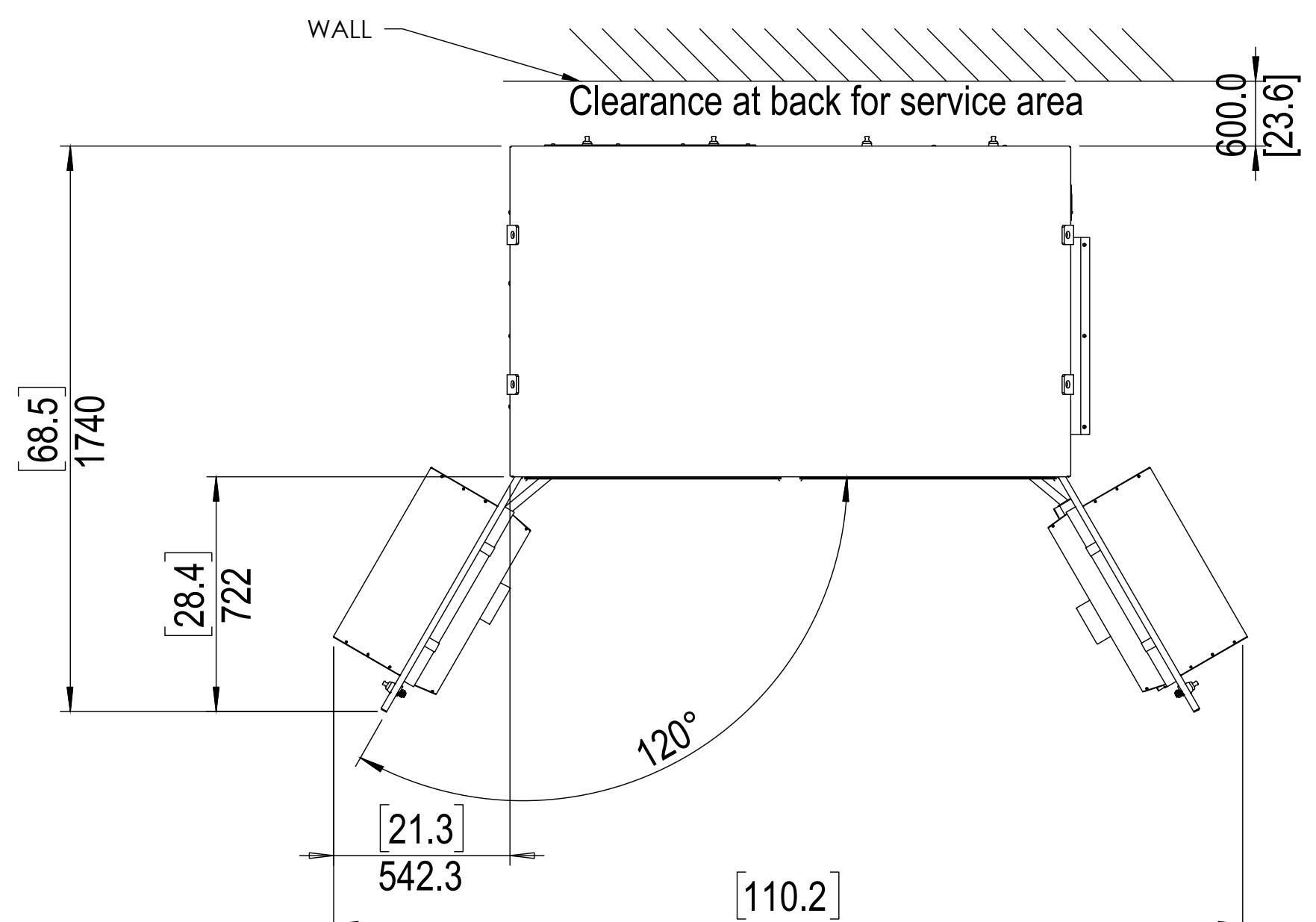
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Issued For:  
3/19/25  
PRELIMINARY CD'S

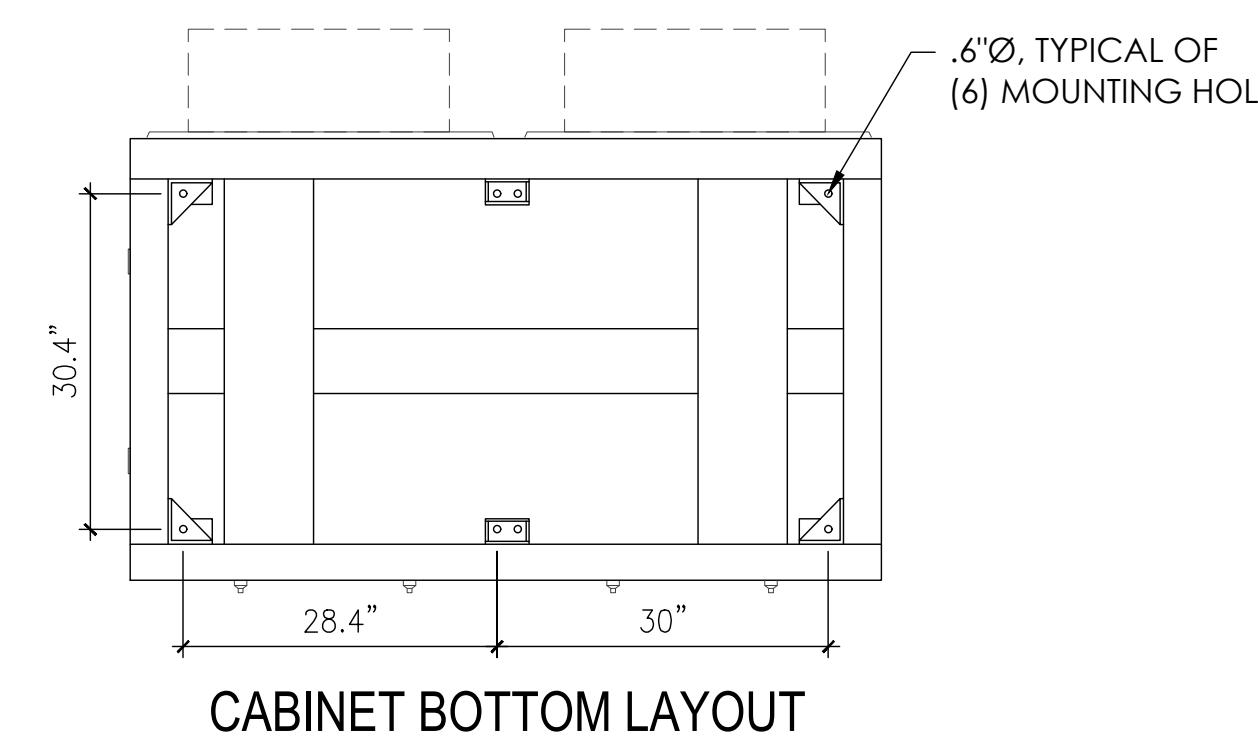
SHEET TITLE:  
STRUCTURAL PLAN & DETAILS

SHEET NUMBER:  
**S-1**

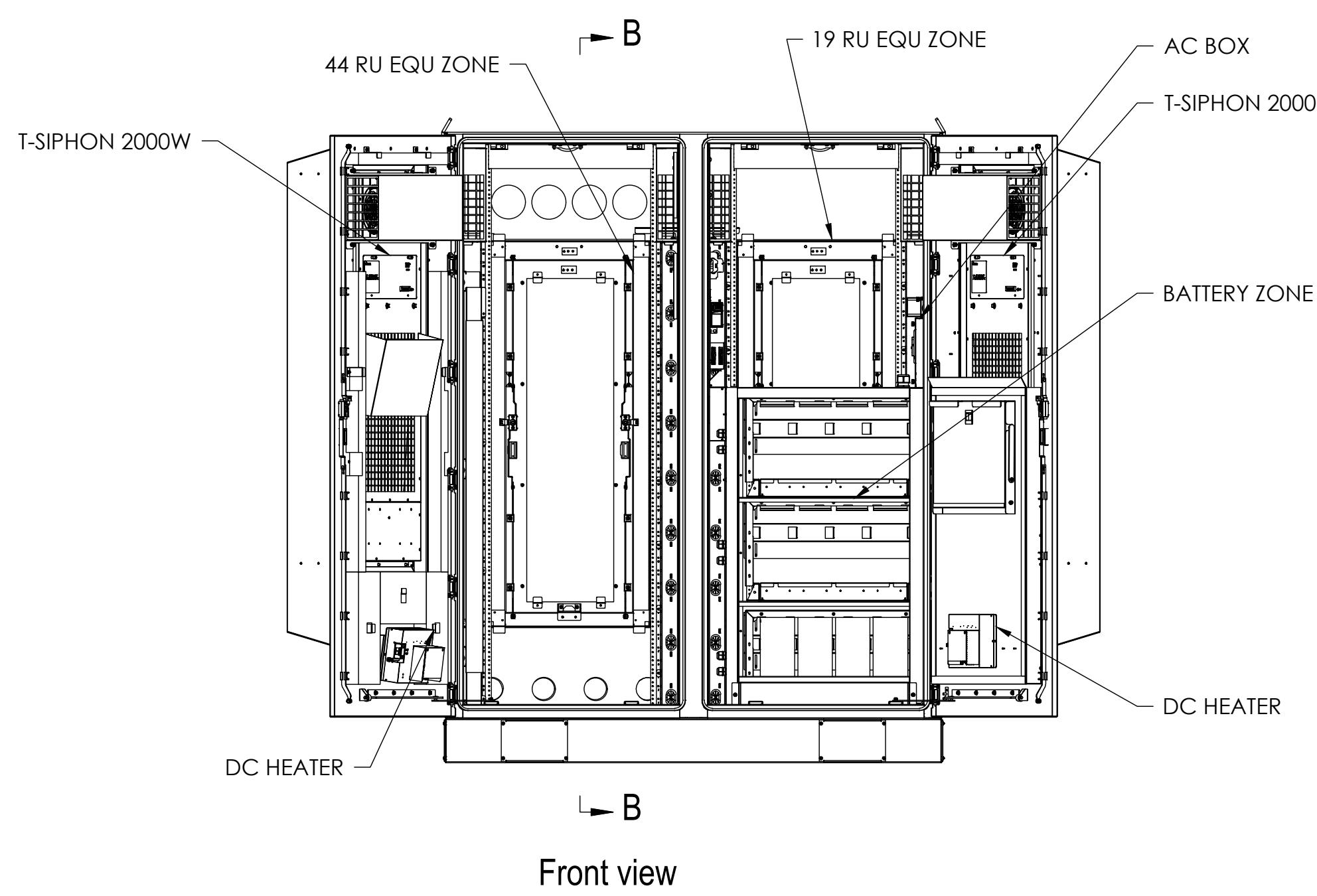
2 NOT USED  
NOT TO SCALE



Top view

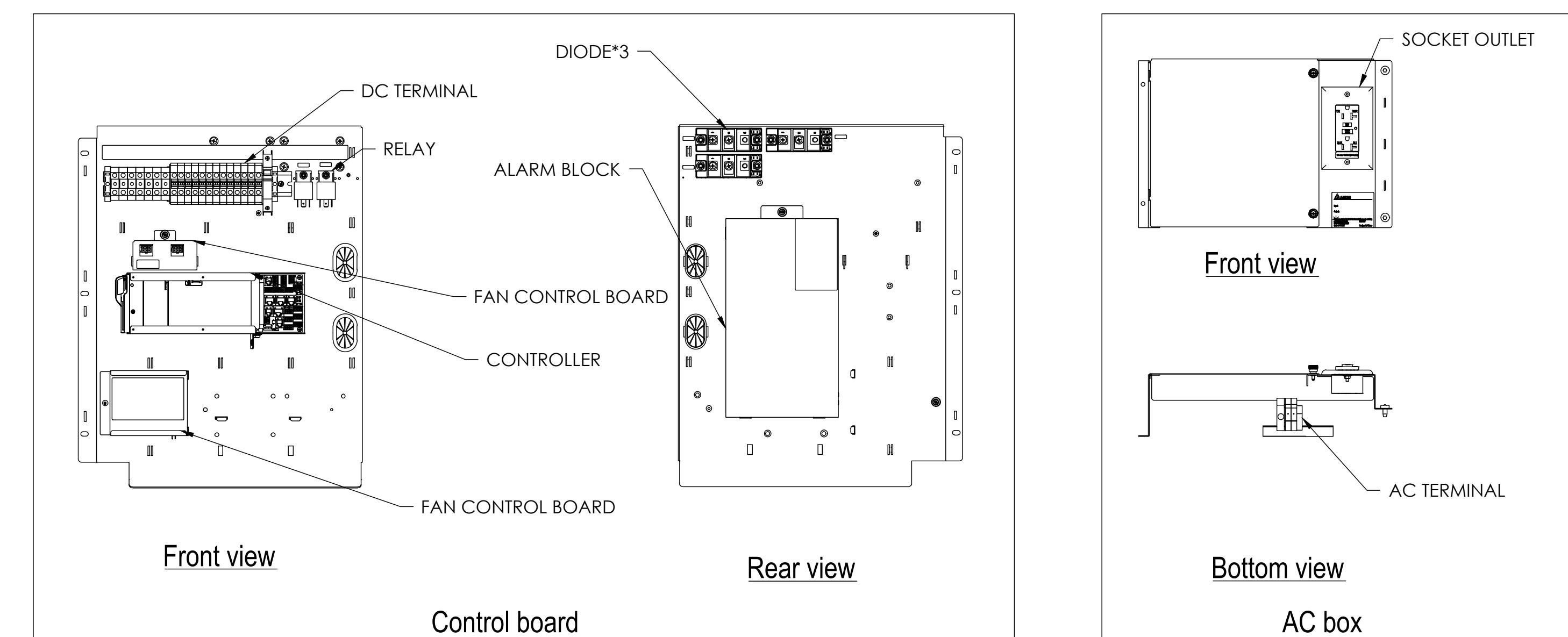


CABINET BOTTOM LAYOUT



Front view

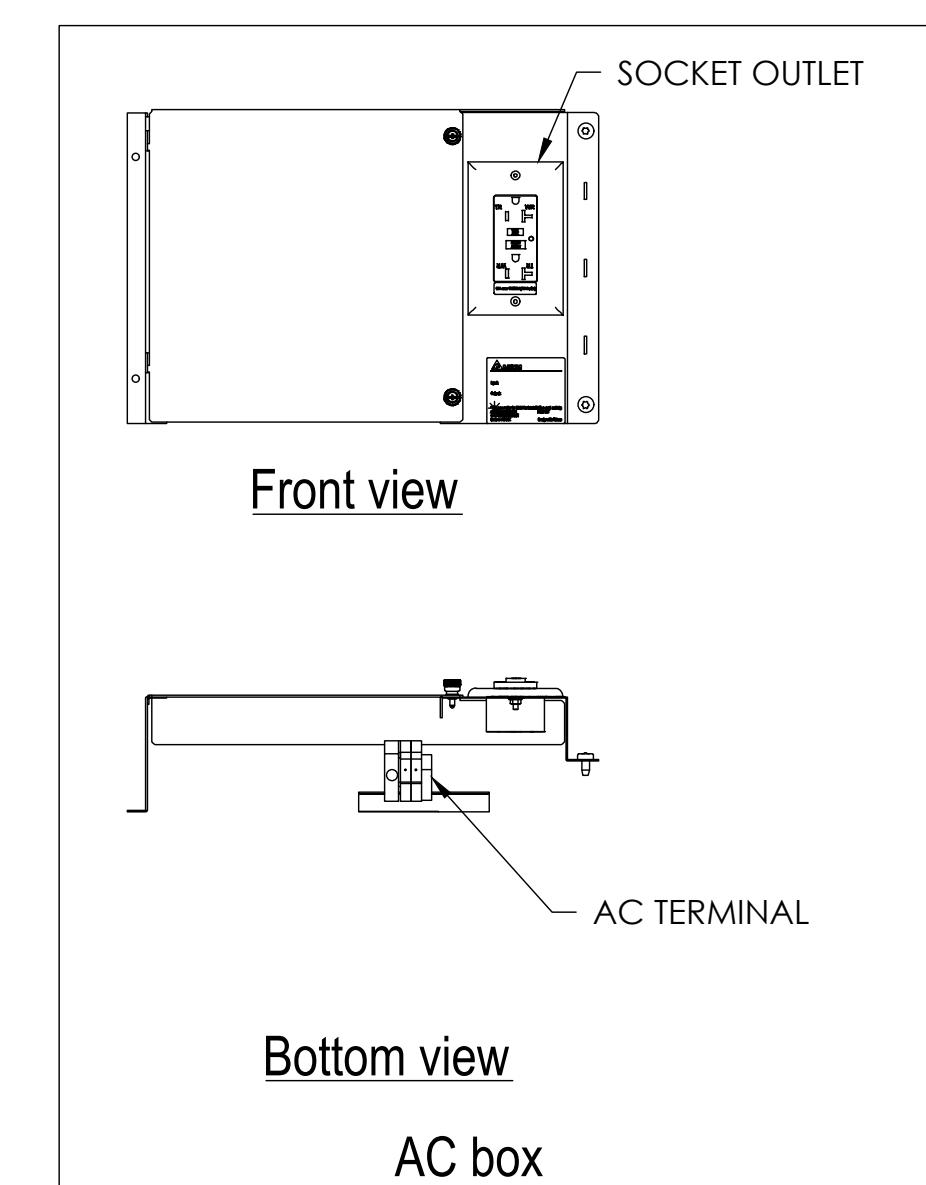
AT&T PART NUMBER	DELTA PART NUMBER	PRODUCT DESCRIPTION
NEQ. 20212	ESOF020-HCV02	<p>DELTA 2-BAY CABINET, 2-THERMOSIPHONS</p> <p>-ALUMINUM ENCLOSURE 80'Hx68.2"Wx40'D (49.4" WITH THERMOSIPHON)</p> <p>-RIGHT BAY HAS 23" RACK AND 19RU FOR POWER SYSTEM</p> <p>-RIGHT BAY HAS BATTERY SECTION FOR (3) STRINGS OF GNB M12V180FT OR EQUIVALENT</p> <p>-LEFT BAY HAS CONFIGURABLE 19" OR 23" RACK AND 44RU FOR EQUIPMENT</p> <p>-REAR HATCHES FOR EACH BAY</p> <p>-MOUNTING BRACKETS FOR PTLC (AC LOAD CENTER)</p> <p>-(1) GFCI AC OUTLET (POWER BAY &amp; EQUIPMENT BAY)</p> <p>-(3) 1500W DC HEATERS FOR EQUIPMENT BAYS AND POWER + BATTERY SECTION</p> <p>-PROVISIONS IN BATTERY FLOOR FOR ROXTEC CABLE ENTRY PLATES - (3) EZENTRY 24/24 + (3) EZENTRY 16/16 TO BE PROVIDED BY WWT</p> <p>-LAPTOP TRAY IN POWER BAY</p> <p>-66-TYPE ALARM BLOCK</p> <p>-4" PLINTH (MAKES TOTAL HEIGHT OF SOLUTION 84")</p> <p>-ORION SITE CONTROLLER</p> <p>-PLINTH COVER KIT TO PROTECT CABLE ROUTED THROUGH PLINTH</p> <p>-BREAKER KIT (INCLUDES BRACKETS FOR MOUNTING BREAKERS AND (3) 200A BREAKERS. DOES NOT INCLUDE ANY BATTERY CABLES)</p>



Front view

Rear view

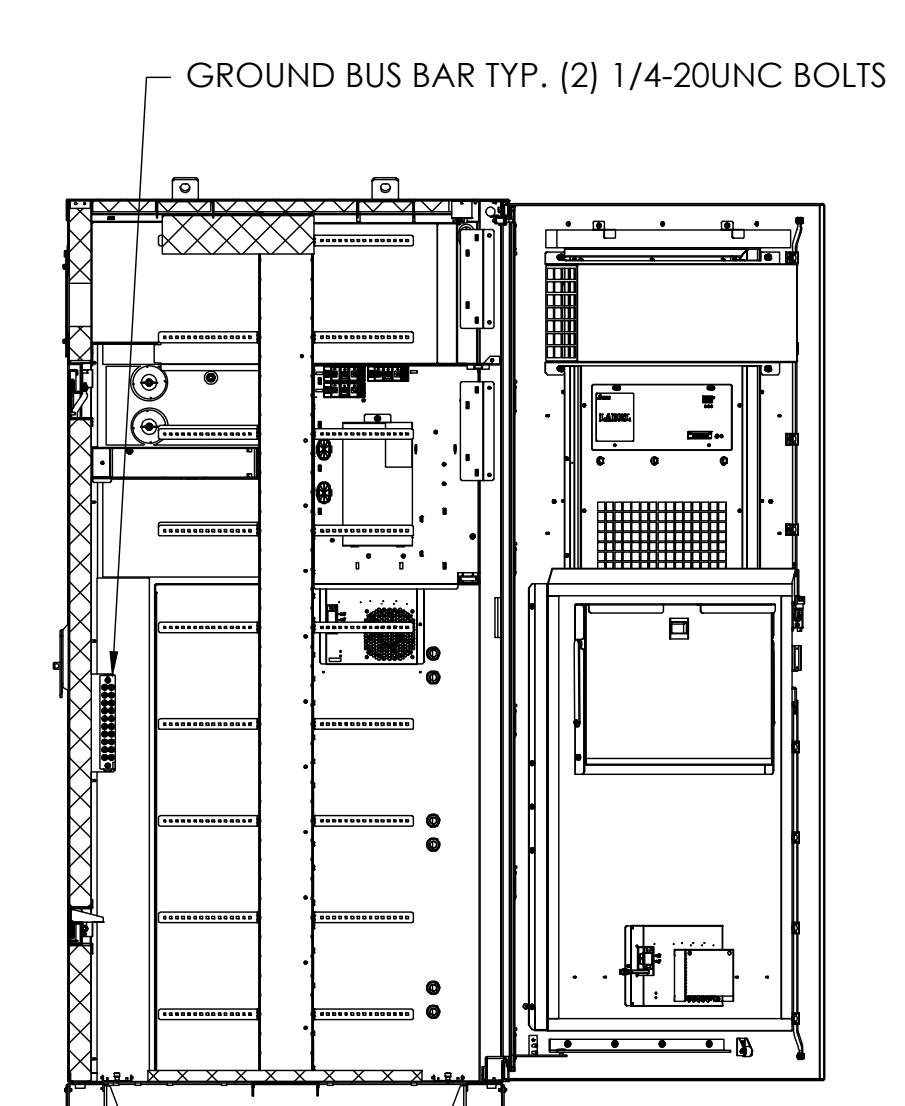
Control board



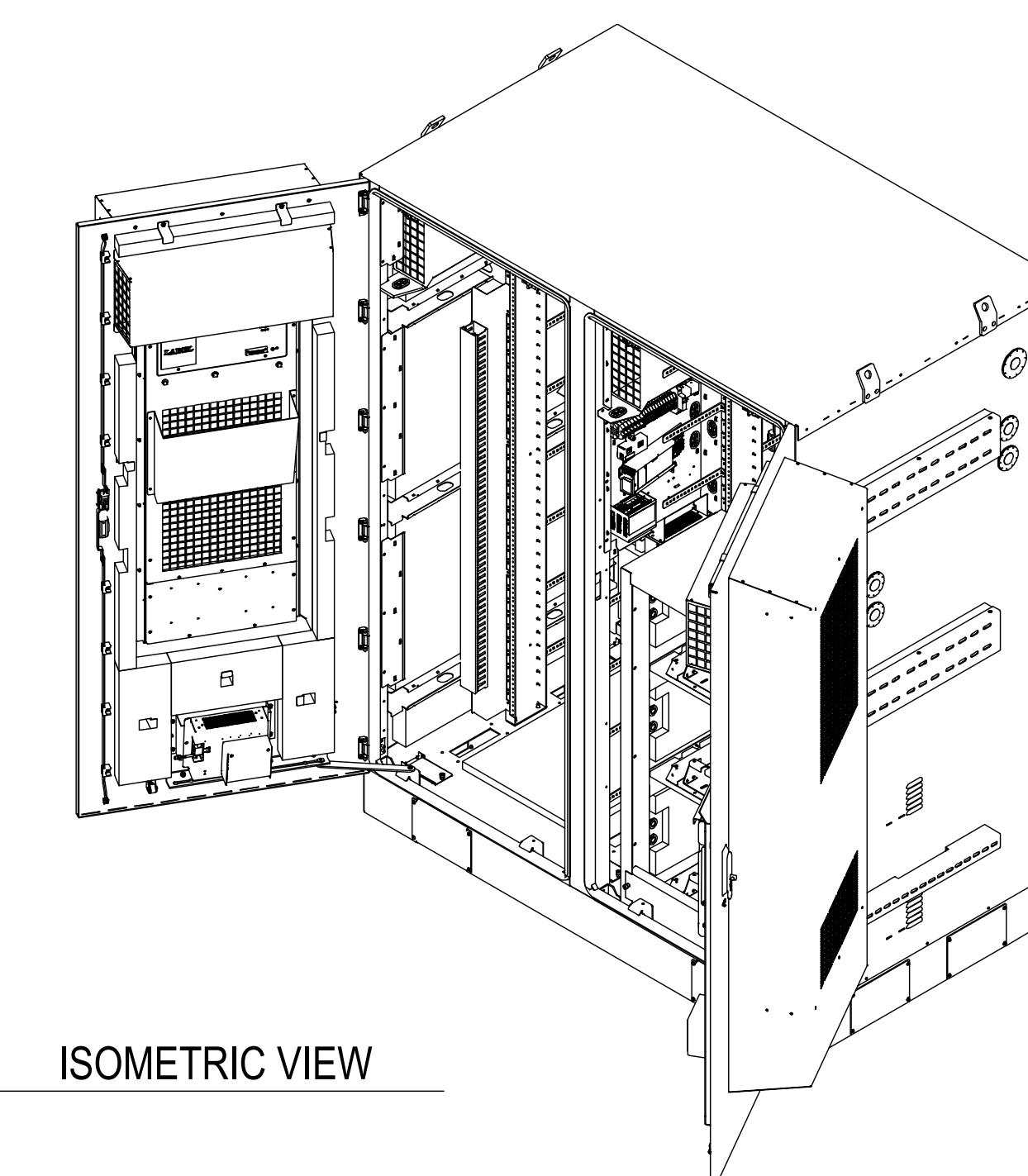
Front view

Bottom view

AC box



SECTION B-B  
SCALE 1:30



ISOMETRIC VIEW

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

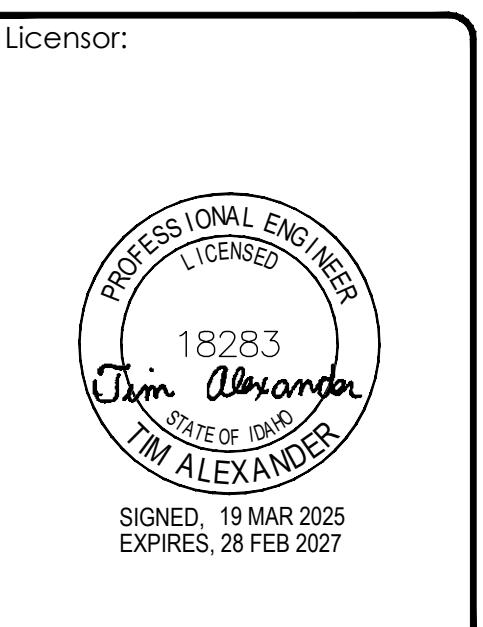
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
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CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
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Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
WUC DETAILS

SHEET NUMBER:  
**S-2**

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

**Standby Power Rating**  
30 kW, 38 kVA, 60 Hz

**Prime Power Rating\***  
27 kW, 34 kVA, 60 Hz



\*EPA Certified Prime ratings are not available in the US or its Territories

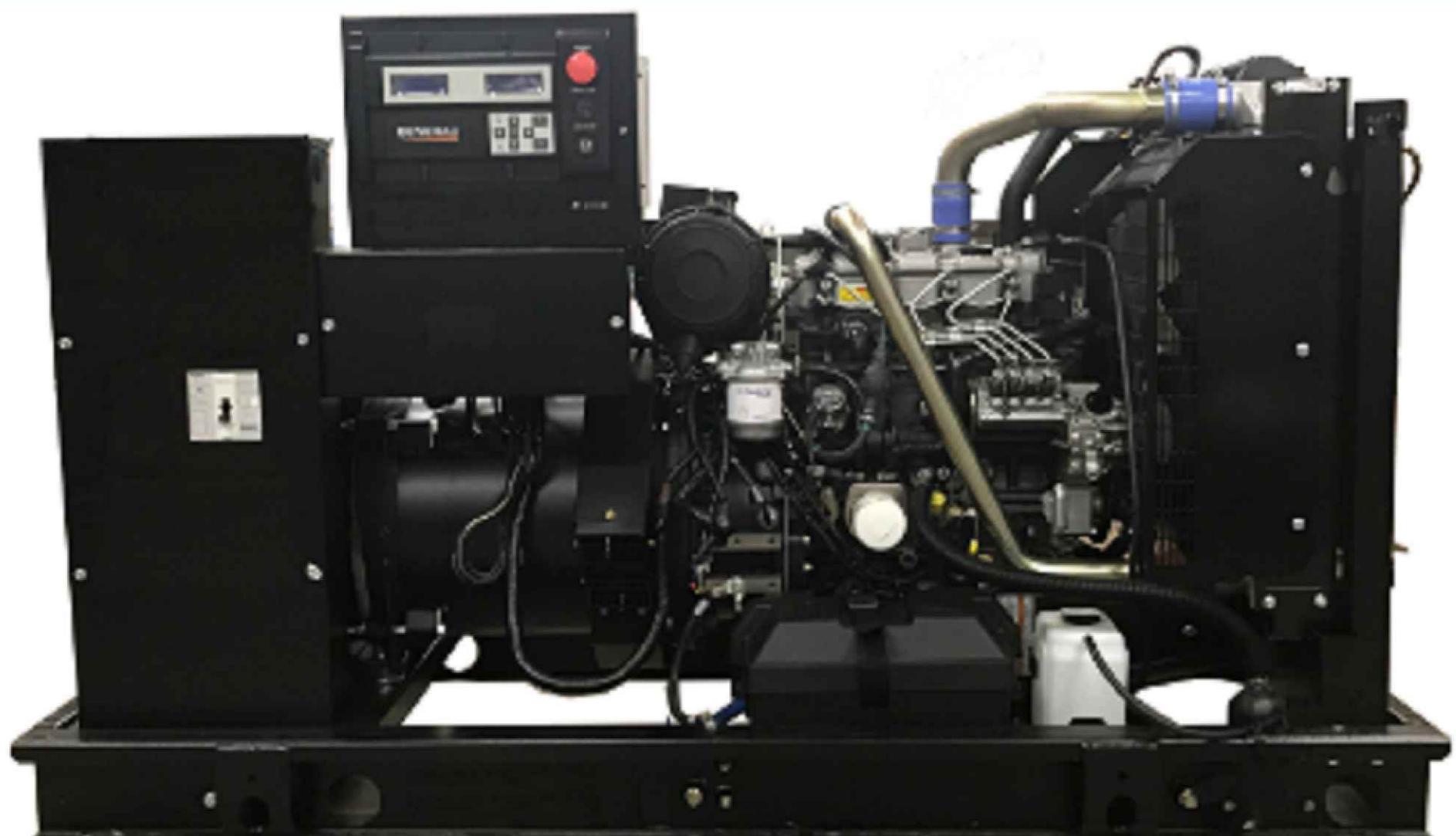


Image used for illustration purposes only

## Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

UL2200, UL508, UL489, UL142

CSA C22.2

BS5514 and DIN 6271

SAE J1349

NFPA 37, 70, 99, 110

NEC700, 701, 702, 708

ISO 3046, 7637, 8528, 9001

NEMA ICS10, MG1, 250, ICS6, AB1

ANSI C62.41

## Powering Ahead

For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

**GENERAC** | INDUSTRIAL POWER

**SD030 | 2.2L | 30 kW**  
INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

## STANDARD FEATURES

### ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

### Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

### Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

### Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

### ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Rotor Dynamically Spin Balanced
- Amortisseur Winding (3-Phase Only)
- Full Load Capacity Alternator
- Protective Thermal Switch

### GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

### ENCLOSURE (If Selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

### FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Normal and Emergency Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

### CONTROL SYSTEM



#### Digital H Control Panel- Dual 4x20 Display

##### Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors

##### Audible Alarms and Shutdowns

- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Announced on the Display

##### Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

##### Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV DATE DESCRIPTION  
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1 01/10/22 CLIENT REVISIONS  
2 02/14/22 CLIENT REVISIONS  
3 12/08/22 JDX COMMENTS  
4 01/14/23 CLIENT COMMENTS  
5 07/18/24 CLIENT COMMENTS  
6 08/19/24 CLIENT COMMENTS  
7 01/14/25 CLIENT COMMENTS  
8 02/06/25 CLIENT COMMENTS  
9 03/06/25 CLIENT COMMENTS  
10 03/19/25 CLIENT COMMENTS

Licensor:  
  
PROFESSIONAL ENGINEER  
LICENCED  
18283  
Tim Alexander  
STATE OF IDAHO  
T.M. ALEXANDER  
SIGNED: 19 MAR 2025  
EXPIRES: 28 FEB 2027

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SHEET TITLE:  
GENERATOR DETAILS  
SHEET NUMBER:  
**S-3**

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:

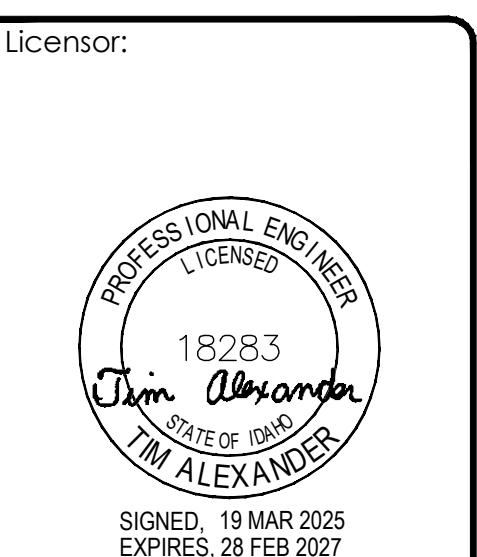
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PREPARED FOR:  
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CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
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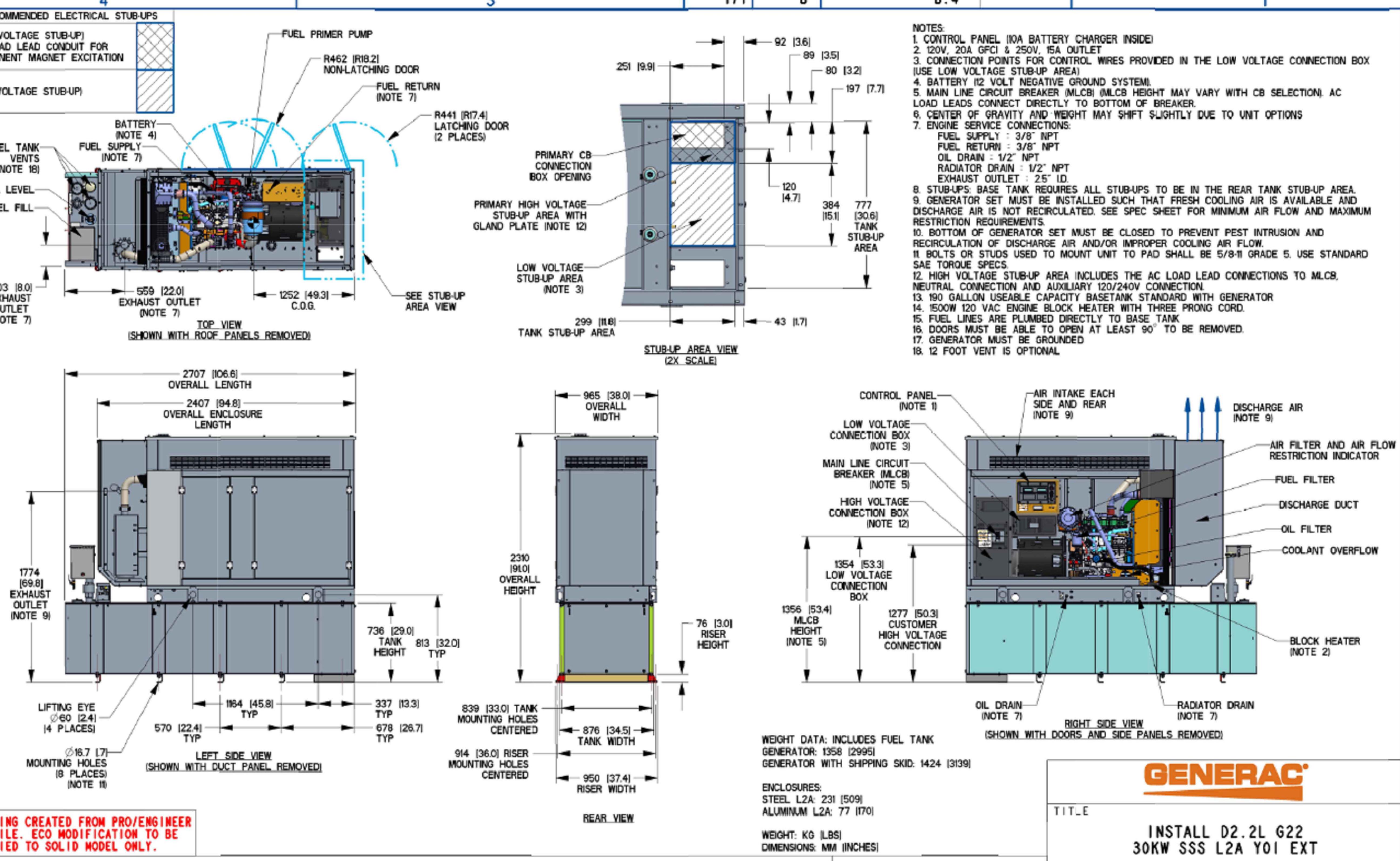


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SHEET TITLE:  
GENERATOR DETAILS

SHEET NUMBER:  
**S-4**



# INSTALLATION DRAWING

4

3

2

SITE TYPE: MONOPOLE/WUC

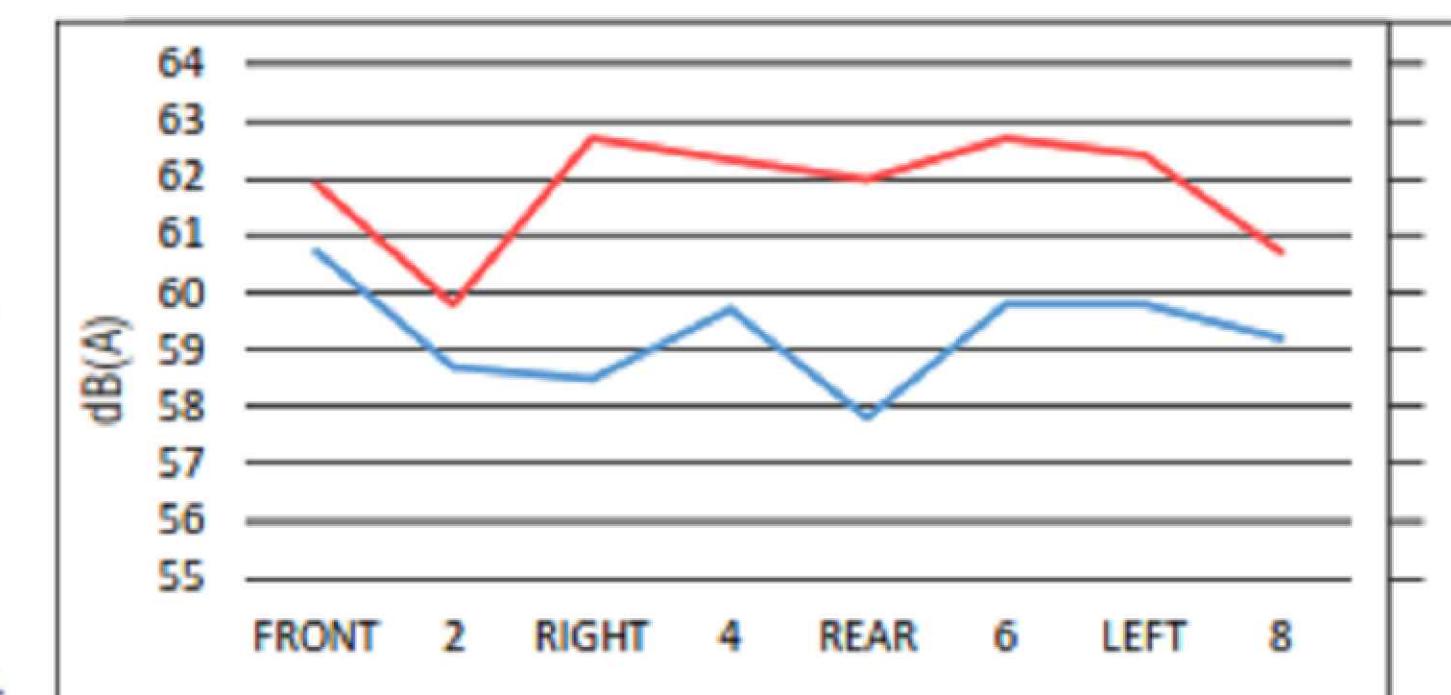
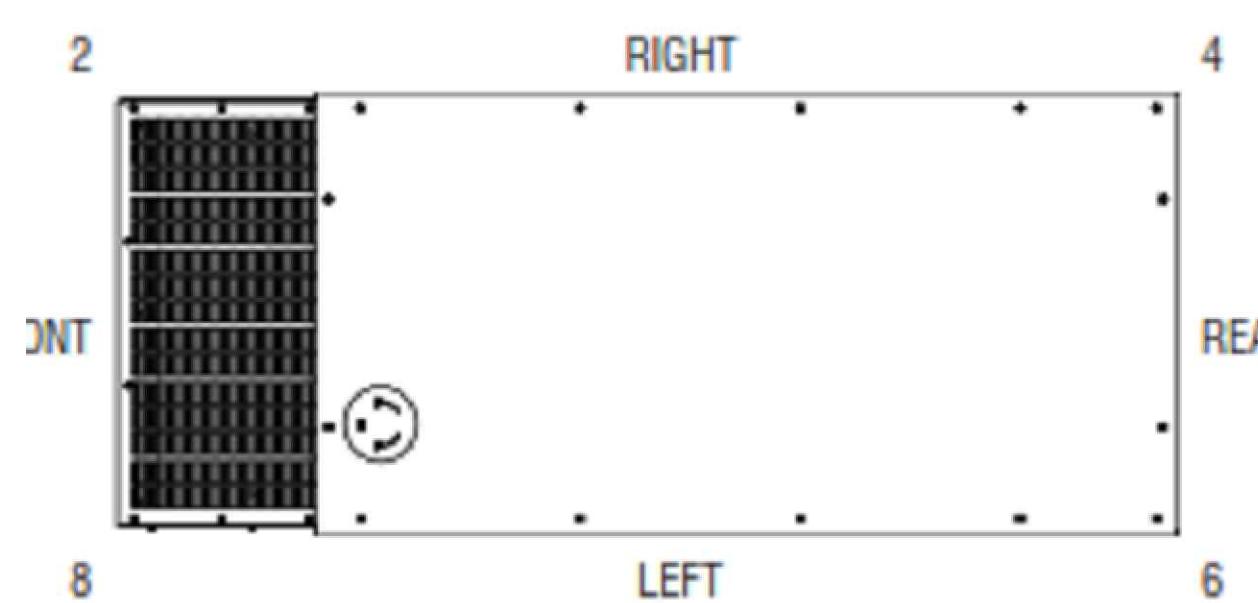


## LEVEL 2 SOUND ATTENUATED ENCLOSURE SD030 2.2L GENERAC

## STATEMENT OF EXHAUST EMISSIONS 2020 PERKINS DIESEL FUELED GENERATOR

MICROPHONE LOCATION	60Hz NO-LOAD, dB(A)										DISTANCE: 7 METERS
	OCTAVE BAND CENTER FREQUENCY (Hz)										
	31.5	63	125	250	500	1,000	2,000	4,000	8,000	dB(A)	
1, FRONT	21	42	50	59	53	52	49	46	36	61	
2	20	37	48	56	53	54	49	45	37	59	
3, RIGHT	19	41	52	55	52	52	49	48	38	59	
4	18	53	48	56	54	51	49	44	34	60	
5, REAR	16	54	49	52	51	50	47	41	31	58	
6	17	55	47	55	52	54	49	45	38	60	
7, LEFT	21	54	50	54	53	53	50	46	38	60	
8	20	46	47	52	55	55	50	44	38	59	
AVERAGE	19	48	49	55	53	53	49	45	36	59	

MICROPHONE LOCATION	60Hz FULL-LOAD, dB(A)										DISTANCE: 7 METERS
	OCTAVE BAND CENTER FREQUENCY (Hz)										
	31.5	63	125	250	500	1,000	2,000	4,000	8,000	dB(A)	
1, FRONT	23	54	52	60	54	52	49	46	36	62	
2	21	48	49	55	55	54	49	46	38	60	
3, RIGHT	20	50	59	59	54	52	50	50	37	63	
4	20	59	49	58	55	52	48	46	35	62	
5, REAR	21	60	51	55	54	51	47	41	31	62	
6	20	60	49	58	53	53	52	46	38	63	
7, LEFT	20	59	55	55	52	54	51	47	39	62	
8	21	54	51	54	55	55	50	45	37	61	
AVERAGE	21	56	52	57	54	53	49	46	36	62	



- All positions at 23 feet (7 meters) from side faces of generator set.
- Test conducted on a 100 foot diameter asphalt surface.
- Sound pressure levels are subject to instrumentation, installation and testing conditions.
- Sound levels are  $\pm 2$  dB(A)

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:  
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2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE INFRASTRUCTURE SERVICES**  
3450 N HIGLEY RD - SUITE 102,  
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Licensor:  
  
SIGNED: 19 MAR 2025  
EXPIRES: 28 FEB 2025

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GENERATOR DETAILS

SHEET NUMBER:  
**S-5**

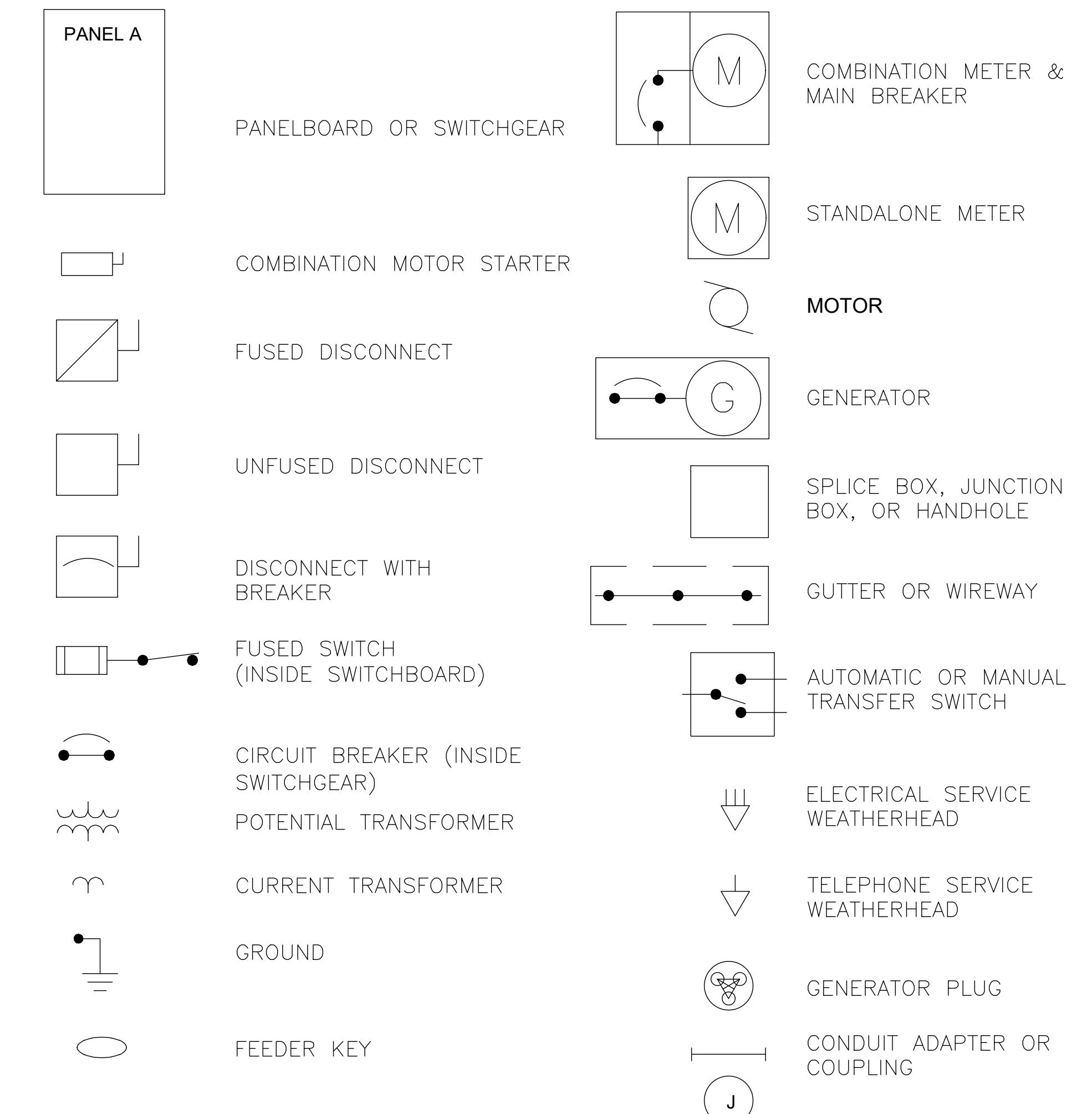
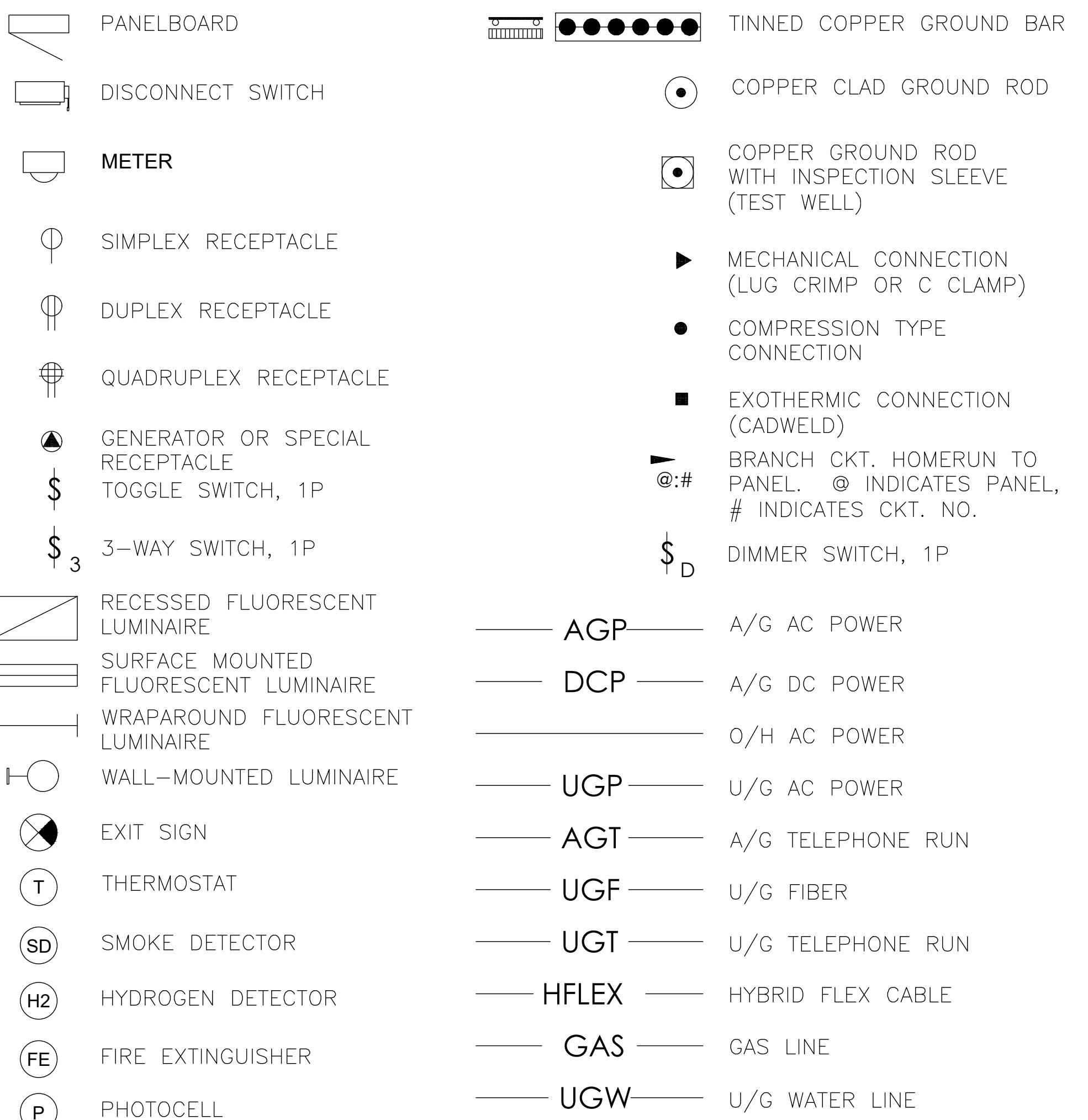
1. SUBMITAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT. CONTRACTOR IS RESPONSIBLE FOR ALL FIELD VERIFICATION.
2. THESE PLANS ARE DIAGRAMMATIC ONLY, AND NOT TO BE SCALED.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC. FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDER-WRITER'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 AND NBFU.
5. ALL CONDUIT INSTALLED SHALL BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
6. ELECTRICAL CONTRACTOR SHALL CARRY OUT HIS WORK WITH ACCORDANCE WITH ALL GOVERNING STATE, COUNTY, LOCAL CODES AND O.S.H.A.
7. ELECTRICAL CONTRACTOR SHALL SECURE ALL NECESSARY ELECTRICAL PERMITS, AND PAY ALL REQUIRED FEES.
8. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF NO LESS THAN ONE YEAR AFTER THE DATE OF JOB COMPLETION. 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 ELECTRICAL CONTRACTOR.
9. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE, AND TRUE TAPE.
10. PROVIDE THE OWNER WITH ONE SET OF COMPLETE DIMENSIONS AND CIRCUITS, WITHIN 10 WORKING DAYS OF PROJECT COMPLETION. ELECTRICAL "AS BUILT" DRAWINGS, SHOWING ACTUAL LOCATION OF CONDUITS.
11. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO PROJECT MANAGER AT JOB COMPLETION.
12. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE. ALL CONDUCTORS SHALL BE COPPER.
13. THE EXTERIOR GROUND RING SHALL BE TESTED PER AT&T SPECIFICATIONS AND SHALL HAVE A RESISTANCE TO EARTH OF 5 OHMS OR LESS. IF NOT NOTIFY ENGINEER.
14. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT =CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
15. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
16. PATCH, REPAIR, AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
17. 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 RE-BARS WILL NOT BE DRILLED INTO, CUT, OR DAMAGED UNDER ANY CIRCUMSTANCES.
18. LOCATION OF TENDONS AND RE-BARS 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 STEEL TENDONS.

#### ELECTRICAL NOTES

AAV	ALTERNATE ACCESS VENDOR	FMT	FLEXIBLE METALLIC TUBING	PPC	POWER PROTECTION CABINET
AC	ALTERNATING CURRENT	G	GROUND	PRC	PRIMARY RADIO CABINET
AFF	ABOVE FINISHED FLOOR	GEN	GENERATOR	PT	POTENTIAL TRANSFORMER
AGF	ABOVE FINISHED GRADE	GFCI	GROUND FAULT CURRENT INTERRUPTER	PVC	POLYVINYL CHLORIDE
AIC	AMPERES INTERRUPT CURRENT	GIP	GENERATOR INTERFACE PANEL	PWR	POWER
AL	ALUMINUM	GND	GROUND	RAC	RIGID ALUMINUM CONDUIT
A/G	ABOVE GROUND	GPS	GLOBAL POSITIONING SYSTEM	RECT	RECTIFIER
AGB	ANTENNA GROUND BAR	GR	GROWTH (CABINET)	RET	REMOTE ELECTRICAL TILT
ATS	AUTOMATIC TRANSFER SWITCH	GRC	GALVANIZED RIGID (STEEL) CONDUIT	RGS	RIGID GALVANIZED STEEL
AWG	AMERICAN WIRE GAUGE	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	RMT	RIGID METALLIC TUBING
AWS	ADVANCED WIRELESS SERVICES	IPC	IDAHO POWER COMPANY	RRH	REMOTE RADIO HEAD
BATT	BATTERY	IGB	INTERIOR GROUND BAR	RRU	REMOTE RADIO UNIT
BBU	BASEBAND UNIT	IGR	INTERIOR GROUND RING (HALO)	RU	RACK UNIT
BCW	BARE COPPER WIRE	IMC	INTERMEDIATE METALLIC CONDUIT	SCA	SHORT CIRCUIT AMPERES
BSCW	BARE STRANDED COPPER WIRE	ISCW	INSULATED STRANDED COPPER WIRE	SCCR	SHORT CIRCUIT CURRENT RATING
BTcw	BARE TINNED COPPER WIRE	KAIC	KILOAMPERES INTERRUPT CURRENT	SPD	SURGE PROTECTIVE DEVICE
C	CONDUIT	LTE	LONG TERM EVOLUTION	S/S	STAINLESS STEEL
CAB	CABINET	MGB	MAIN (OR MASTER) GROUND BAR	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
CGB	COLLECTOR GROUND BAR	MIN	MINIMUM	TYP	TYPICAL
CKT	CIRCUIT	MTS	MANUAL TRANSFER SWITCH	U/G	UNDERGROUND
CT	CURRENT TRANSFORMER	MW	MICROWAVE	UTP	UNSHIELDED TWISTED PAIR
CU	COPPER	N	NEUTRAL	VZW	VERIZON WIRELESS
DC	DIRECT CURRENT	NEC	NATIONAL ELECTRIC CODE	WP	WEATHERPROOF
DEI	DIGITAL EXPANSION INTERFACE	NID	NETWORK INTERFACE DEVICE	WW	WIREWAY
DISC	DISCONNECT	OC	ON CENTER	XFMR	TRANSFORMER
EGB	EXTERIOR GROUND BAR	O/H	OVERHEAD		
EMT	ELECTRICAL METALLIC TUBING	PCS	PERSONAL COMMUNICATION SERVICES		

19. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH APPLICABLE LOCAL BUILDING CODES. USING U.L. RATED MATERIALS.
20. ELECTRICAL CONTRACTOR IS TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOK-UP COSTS SHALL BE PAID BY THE CONTRACTOR.
21. ELECTRICAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR CATALOG CUT-SHEETS ON ALL NON-SPECIFIED ORIGINAL MATERIALS AND EQUIPMENT, TO PROJECT MANAGER PRIOR TO COMMENCEMENT OF THE WORK.
22. UPON COMPLETION OF WORK, CONDUCT CONTINUITY AND SHORT CIRCUIT, AS WELL AS, GROUNDING TEST, GROUNDING TEST SHALL BE PERFORMED BY INDEPENDENT TESTING AGENCY, WITH WRITTEN REPORT SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL.
23. CLEAN PREMISES DAILY OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK PREMISES IN A COMPLETE AND UNDAMAGED CONDITION.
24. ALL EXTERIOR WALL PENETRATIONS SHALL BE SEALED WITH POLYSEAM SEALANT.
25. ALL #2 TINNED BARE COPPER DOWNLEADS TO BE PROTECTED BY 1/2" P.V.C. PIPE AND SECURED.
26. COMPRESSION FITTINGS TO BE USED ON ALL CONDUITS (NO SET SCREWS).
27. ALL #6 STRANDED COPPER WITH GREEN INSULATION TO BE ATTACHED WITH CRIMPED DOUBLE LUG, ATTACHED WITH NUTS, BOLTS AND STAR WASHERS TYPICAL AND NO-OX GREASE BETWEEN LUG AND BUS BAR.
28. ALL ABOVE GROUND CONDUIT SHALL BE RIGID GALVANIZED CONDUIT WITH WEATHERPROOF FITTINGS.

\*DATE OF JOB COMPLETION SHALL BE THE DATE ON THE CONTRACTOR'S "NOTICE OF COMPLETION" SUBMITTED TO THE OWNER.



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IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

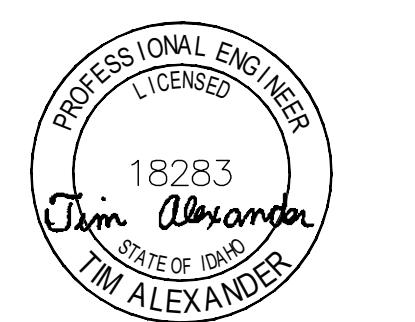
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
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REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
B	12/03/21	CLIENT REVISIONS
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3	12/08/22	JDX COMMENTS
4	01/14/23	CLIENT COMMENTS
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7	01/14/25	CLIENT COMMENTS
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10	03/19/25	CLIENT COMMENTS

Licensor:  
  
PROFESSIONAL ENGINEER  
LICENCED  
18283  
Tim Alexander  
STATE OF IDAHO  
TM ALEXANDER  
SIGNED: 19 MAR 2025  
EXPIRES: 28 FEB 2027

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Issued For:  
3/19/25  
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SHEET TITLE: GENERAL ELECTRICAL/GROUNDING NOTES

SHEET NUMBER: E-1

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

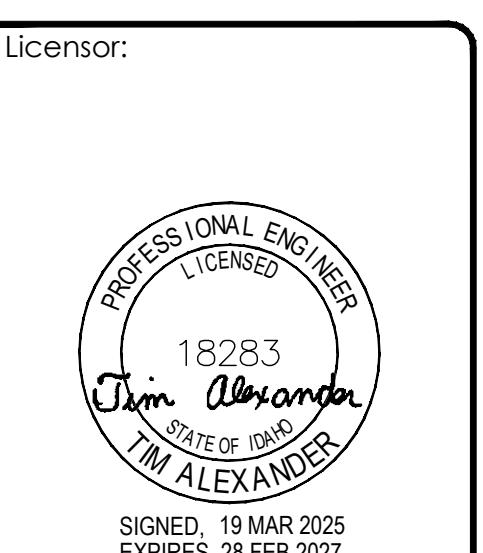
Tower Owner:  
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**TELCYTE**  
INFRASTRUCTURE SERVICES  
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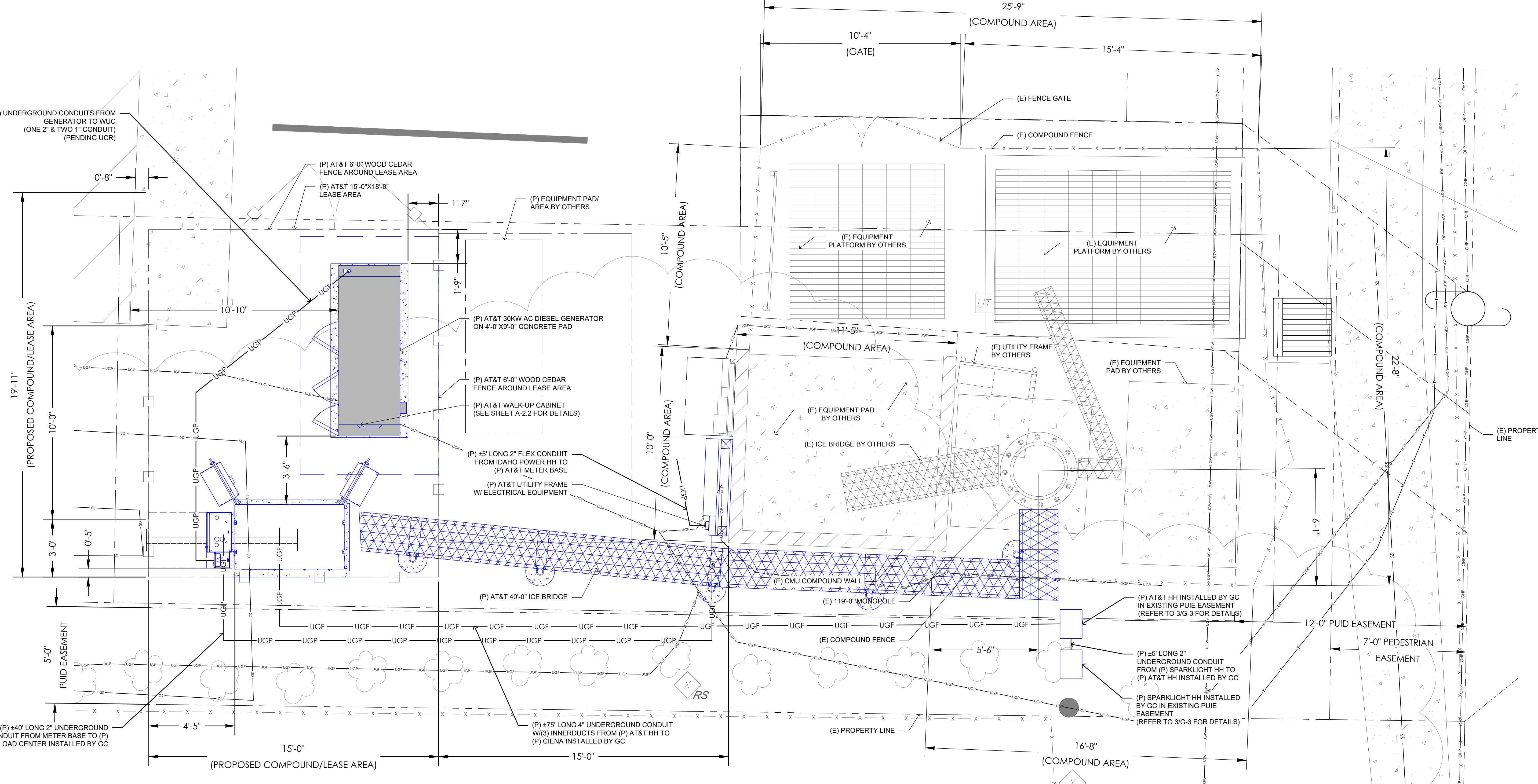


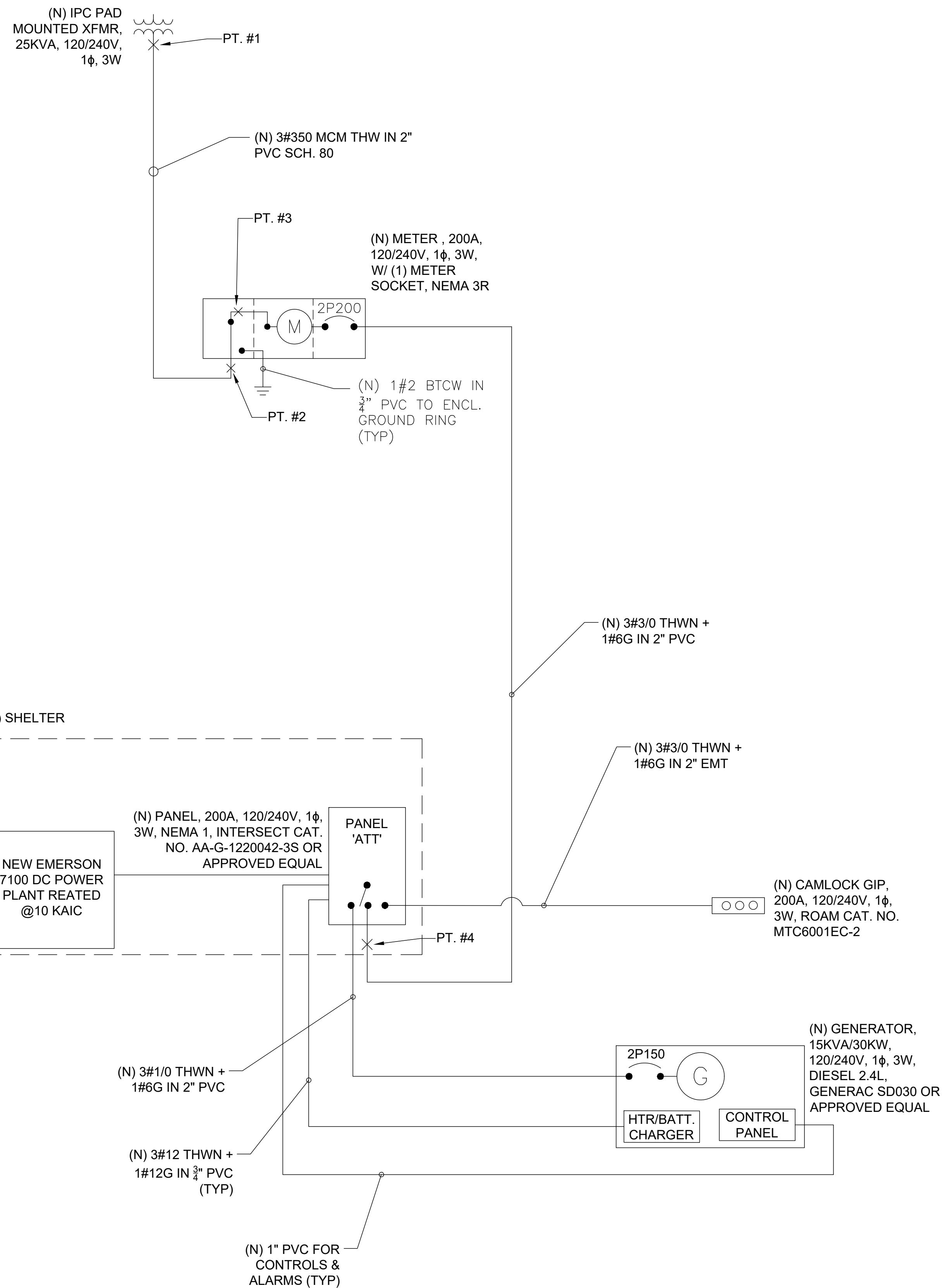
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3/19/25  
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SHEET TITLE:  
UTILITY SITE PLAN

SHEET NUMBER:  
**E-2**





NOTES:

1. ACTUAL VALUES FOR FAULT CURRENT SHOWN IN DETAIL 1.

AC POWER PANEL No. 1											
MAIN BREAKER RATING (A): 200				SYSTEM VOLTAGE (V): 240							
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
RECTIFIER # 1	1725	c	30	1	3450		2	30	c	1725	RECTIFIER # 4
	1725	c		3		3450	4		c	1725	
RECTIFIER # 2	1725	c	30	5	3450		6	30	c	1725	RECTIFIER # 5
	1725	c		7		3450	8		c	1725	
RECTIFIER # 3	1725	c	30	9	3450		10	30	c	1725	RECTIFIER # 6
	1725	c		11		3450	12		c	1725	
RECTIFIER # 7	1725	c	30	13	1725		14	30			RECTIFIER # 10 / SPARE
	1725	c		15		1725	16				
RECTIFIER # 8 / SPARE				17	0		18	30			RECTIFIER # 11 / SPARE
				19		0	20				
RECTIFIER # 9 / SPARE			30	21	0		22	30			RECTIFIER # 12 / SPARE
				23		0	24				
HVAC	2122	c	25	2482		26	20	nc	360	EXTERIOR LIGHT	
	2122	c	27		2482	28	20	nc	360	DUPLEX RECEPT	
GFCI	180	nc	20	29	360		30	20	c	180	GENERATOR BLOCK HTR
PHASE TOTALS (VA): 14917 14557											
CURRENT PER PHASE (A): 154 151 Amperes/phase cannot exceed main breaker rating											
PANEL TOTAL (VA): 29474				Legend: c = continuous, nc = non-continuous							
PANEL CAPACITY (kVA): 48.0				CONNECTED LOAD (kVA): 29.5							
PANEL LOADING (100% non-cont. load) (kVA): 0.9											
PANEL LOADING (125% continuous load) (kVA): 35.7											
PANEL LOADING (TOTAL) (kVA): 36.6											
SPARE CAPACITY (kVA): 11.4											

NOTE:  
BLOCK HEATER AND BATTERY CHARGER ARE  
TO BE ISOLATED AS INDEPENDENT BREAKERS  
AND NOT TIED TO ANY GFCI CIRCUITS

3 PANEL SCHEDULE

SHORT CIRCUIT CALCULATIONS BASED UPON POINT METHOD AS ILLUSTRATED IN BUSSMAN PUBLICATION SPD-90.										
FAULT CURRENT AT TRANSFORMER SECONDARY PER LOCAL POWER COMPANY										
$I_{SC1}$	=	$V_{P-UT}/V_{S-UT} \times M_{UT} \times I_{SC1-UT}$							=	12175 A
$f_1$	=	$2 \times L \times I_{SC1-UT}$							=	0.0515
$M_1$	=	$C_1 \times n \times V_{L-U}$							=	0.9510
		$1$								
		$1 + f_1$								
$I_{SC2}$	=	$M_1 \times I_{SC1}$							=	11579 A
$f_2$	=	$2 \times L \times I_{SC2-UT}$							=	0.0092
$M_2$	=	$C_2 \times n \times V_{L-U}$							=	0.9909
		$1$								
		$1 + f_2$								
$I_{SC3}$	=	$M_2 \times I_{SC2}$							=	11474 A
$f_3$	=	$2 \times L \times I_{SC3-UT}$							=	0.3962
$M_3$	=	$C_3 \times n \times V_{L-U}$							=	0.7162
		$1$								
		$1 + f_3$								
$I_{SC4}$	=	$M_3 \times I_{SC3}$							=	8218 A

1 FAULT CALCULATIONS

SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
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Licensor:  
  
SIGNED, 19 MAR 2025  
EXPIRES, 28 FEB 2025

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Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
POWER ONE-LINE  
DIAGRAM

SHEET NUMBER:  
**E-3**

## GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- COMPLY WITH THE LATEST EDITION OF THE UNIFORM BUILDING CODE, THE REQUIREMENTS OF ALL APPLICABLE MUNICIPAL AND STATE CODES AND REGULATIONS, AND UTILITY GUIDELINES.
- PERFORM ALL VERIFICATION, OBSERVATIONS, TESTING AND EXAMINATION OF WORK PRIOR TO THE ORDERING OF ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE CONSTRUCTION MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- UNDERGROUND CONDUIT SHALL BE RIGID POLYVINYL CHLORIDE CONDUIT: TYPE SCHEDULE 40 (OVERHEAD CONDUIT SHALL BE GALVANIZED RIGID CONDUIT-GRC) CONFORMING TO UL ARTICLE 651: WESTERN PLASTICS OR CARBON MANUFACTURER. COUPLINGS SHALL BE SLIP-ON SOLVENT SEALED T PIPE: SOLVENT, WESTERN TYPE COMPATIBLE WITH PVC DUCT, ALL BENDS SHALL BE 30" MINIMUM RADIUS.
- ALL WIRING SHALL BE STRANDED COPPER WITH MINIMUM 600V INSULATION (UNLESS OTHERWISE NOTED).
- NEUTRAL SHALL BE COLOR CODED, INSULATION SHALL BE CROSS-LINKED POLYETHYLENE.
- CONTRACTOR TO CONTACT ALL UTILITIES FOR LOCATION OF UNDERGROUND SERVICES. SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING, FILING, AND FEES IN CONJUNCTION WITH THE PROJECT.
- THE CONTRACTOR SHALL SCHEDULE ALL NECESSARY INSPECTIONS WITH THE PROPER AUTHORITIES AND INFORM CONSTRUCTION MANAGER 24-HOURS IN ADVANCE. ALL TICKETS AND INSPECTION VERIFICATIONS WILL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE WITHIN 24-HOURS AFTER THE INSPECTION HAS TAKEN PLACE.
- ALL EQUIPMENT, WIRING, AND MATERIALS MUST HAVE A UL LABEL.
- ALL WORK SHALL BE DONE BY QUALIFIED AND EXPERIENCED JOURNEYMEN AND PERFORMED IN A WORKMANLIKE MANNER AND SHALL PROCEED IN AN ORDERLY MANNER SO AS NOT TO HOLD UP THE PROGRESS OF THE PROJECT.
- THOROUGHLY TEST ALL LINES FEEDERS, EQUIPMENT, AND DEVICES WITH MAXIMUM LOADS TO ASSURE PROPER OPERATION.
- CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES.
- PROVIDE PULL BOXES WHERE SHOWN AND/OR WHERE REQUIRED BY CODES AND/OR UTILITY COMPANIES.
- ALL CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS, CONTRACTOR SHALL VERIFY ALL LOCATIONS.
- ALL WIRES SHALL BE TAGGED AT ALL PULL BOXES, J-BOXES, EQUIPMENT BOXES, AND CABINETS WITH APPROVED PLASTIC TAGS.
- ALL BREAKERS IN PANEL BOXES SHALL BE IDENTIFIED WITH TYPE WRITTEN LABELS NEATLY PLACED ALONG SIDE OF THE BREAKER.
- ALL FIRE-RATED WALL AND FLOOR PENETRATIONS ARE TO BE CAULKED AND SEALED WITH A FIRE RESISTANT CAULKING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION.
- UTILIZE SONNEBORN TYPE NP-1 CAULKING FOR SEALING ALL EXTERIOR WALL PENETRATIONS.

3 NOTES

5 BATTERY ROOM SIGN DETAIL  
N.T.S.

MARATHON M12V180FT

DESIGNED FOR DURABILITY IN TELECOMMUNICATIONS, AND ELECTRIC UTILITY APPLICATIONS, THE GNB FRONT TERMINAL MARATHON SERIES PROVIDES HIGH PERFORMANCE AND RELIABILITY IN LONG DURATION DISCHARGE APPLICATIONS. THE LOCATION OF THE TERMINALS ON THE FRONT (VS THE TOP) OF THE BATTERY GREATLY FACILITATES THE INSTALLATION AND MAINTENANCE OF THE PRODUCT WHEN PLACED IN A CABINET ENCLOSURE OR ON A STANDARD RELAY RACK TRAY. THE MARATHON FRONT TERMINAL BATTERY SERIES HIGHLIGHTS ANOTHER EXAMPLE OF GNB'S EXTENSIVE EXPERIENCE AND WORLD WIDE LEADERSHIP IN VRLA TECHNOLOGY.

"DESIGNED IN" QUALITY MANUFACTURING

QUALITY MANUFACTURING PROCESSES FOR THE MARATHON SERIES BATTERIES INCORPORATE THE INDUSTRY'S MOST ADVANCED TECHNOLOGIES INCLUDING: AN AUTOMATED HELIUM LEAK DETECTION SYSTEM, A COMPUTERIZED WATER BATH FORMATION PROCESS. EACH AND EVERY UNIT IS CAPACITY TESTED.

HIGH PERFORMANCE MARATHON SERIES FEATURES:

APPLICATIONS:

- FLAME-RETARDANT REINFORCED CONTAINER AND COVER COMPLIANT WITH UL94 V-0, 28% L.O.I.
- INTEGRATED FLASH ARRESTER ULTRASONICALLY WELDED INTO COVER.
- PATENTED "DIAMOND SIDE-WALL" DESIGN TO MAINTAIN STRUCTURAL INTEGRITY IN HIGHER OPERATING TEMPERATURES
- HEAT SEALED CASE-TO-COVER BOND TO ENSURE A LEAK PROOF SEAL
- HIGH-COMPRESSION ABSORBENT GLASS MAT (AGM) TECHNOLOGY FOR GREATER THAN 99% RECOMBINATION EFFICIENCY
- HIGH-TIN, CALCIUM, SILVER, LEAD POSITIVE PLATE DESIGN FOR MAXIMUM SERVICE FLOAT LIFE; 10 YEAR DESIGN LIFE @ 25°C (77°F)
- FRONT ACCESSIBLE COPPER ALLOY TERMINALS & "EASY ON/EASY OFF" POST PROTECTOR
- RELIABLE ONE-WAY, SELF-RESEALING SAFETY VENTS
- INTEGRATED CARRY HANDLES
- MULTICELL DESIGN FOR FASTER INSTALLATION AND REDUCED MAINTENANCE

2 MARATHON M12V180FT DETAILS  
N.T.S.

## MARATHON M12V180FT RECOMBINANT VALVE REGULATED LEAD ACID (VRLA) BATTERIES (INDOOR)

REQUIREMENT (OFC 608.1)	CODE REFERENCE	COMMENTS
SAFETY CAP	OFC 608.2.2	SAFETY VENT - 400 mb (6 psi) NOMINAL, SELF RESEALING (PATENTED).
THERMAL RUNAWAY MANAGEMENT	OFC 608.3	FLOAT VOLTAGE = 2.23 TO 2.27 VPC ( 2.25 RECOMMENDED ) @ 25°C ( 77°F ). POWER CABINET TO INCLUDE EMERSON SM-TEMP TEMPERATURE CONCENTRATOR PN 547490 OR EQUIVALENT AND BE CONNECTED TO BATTERY STRINGS BY TEMPERATURE PROBES (PN 556155 OR PN 552992). THIS UNIT IS TO PRECLUDE, DETECT, AND CONTROL THERMAL RUNAWAY IN ACCORDANCE WITH OFC 608.3 BY AUTOMATICALLY INCREASING OR DECREASING OUTPUT VOLTAGE AS BATTERY TEMPERATURE DECREASES OR INCREASES, RESPECTIVELY.
SPILL CONTROL	OFC 608.5.1	M12V180FT IS A VRLA SEALED BATTERY WITH IMMOBILIZED ELECTROLYTE. NO SPILL CONTROL MEASURES ARE REQUIRED.
NEUTRALIZATION	OFC 608.5.1	NEUTRALIZATION IS CONTAINED USING THE ENVIRONGUARD® HAWK SPILL CONTAINMENT SYSTEM UTILIZING UL RECOGNIZED, CORROSIVE RESISTANT LINER W/ CLASS 1 FIRE RATING (NFPA101)
VENTILATION	OFC 608.6.1, 608.6.2	CONTINUOUS VENTILATION SHALL BE PROVIDED AT A RATE OF NO LESS THAN 1 CF/MIN PER SQ. FT. ENVIRONMENTAL CONTROLS HAVE BEEN SHOWN TO MEET CODE REQUIREMENTS. SEPARATE MECHANICAL PERMIT TO BE OBTAINED FOR VENTILATION SYSTEM.
SIGNAGE	OFC 608.7	CODE REQUIRED BATTERY ROOM SIGNAGE TO BE SHALL BE CLEARLY POSTED IN ALL BATTERY AREAS.
SEISMIC PROTECTION	OFC 608.8	MEETS I.B.C. SEISMIC ZONE IV REQUIREMENTS. SEISMIC ANCHORAGE CALCULATIONS BY VENDOR - DATED
SMOKE DETECTION	OFC 608.9	INDOOR EQUIPMENT ROOMS ARE EQUIPPED WITH SUITABLE SMOKE DETECTION DEVICES. HYDROGEN AND SMOKE ALARMS MONITORED BY A 24-HOUR OFF-SITE AT&T DEPARTMENT. SEPARATE PERMITS SHALL BE OBTAINED FROM FIRE MARSHALL OFFICE FOR FIRE ALARM MODIFICATION AS REQUIRED.
MECHANICAL VENTILATION WITH EMERGENCY STANDBY POWER	OFC 5004.7	INSTALL 24" WIDE x 12" HIGH WEATHER PROOF COMBINATION DISCHARGE LOUVER/DAMPER WITH 24V DC MOTORIZED DAMPER ACTUATOR. DESIGN BASED ON RUSKIN MODEL ELC6375DAX OR APPROVED EQUAL. DAMPER SHALL FAIL OPEN UPON LOSS OF POWER. SEPARATE MECHANICAL PERMIT TO BE OBTAINED FOR VENTILATION SYSTEM.
HYDROGEN ALARM AND SUPERVISION	OFC 608.6.3	HYDROGEN GAS DETECTOR MOUNTED NEAR OR ON CEILING. DETECTOR SHALL BE TWO-STAGE. WHEN AIR SURROUNDING DETECTOR REACHES 1% HYDROGEN BY VOLUME, EXHAUST FAN SHALL ACTIVATE, AND YELLOW CAUTION LIGHT SHALL TURN ON. WHEN AIR SURROUNDING DETECTOR REACHES 2% HYDROGEN BY VOLUME, RED WARNING LIGHT WILL FLASH AND 80 dB ALARM WILL SOUND. HYDROGEN AND SMOKE ALARMS MONITORED BY A 24-HOUR OFF-SITE AT&T DEPARTMENT. SEPARATE PERMITS SHALL BE OBTAINED FROM FIRE MARSHALL OFFICE FOR FIRE ALARM MODIFICATION AS REQUIRED.

4 MARATHON M12V180FT CODE REQUIREMENTS  
N.T.S.

## MARATHON FRONT TERMINAL SPECIFICATIONS

MODEL NUMBER	VOLTAGE	CAPACITY (AH)		NOMINAL DIMENSIONS			NOMINAL WEIGHT	
		8 HR TO 1.75 VPC @ 25°	10 HR TO 1.8 VPC @ 20°	INCHES	MM	INCHES	MM	LBS
M12V180FT	12	180	175	22.00	4.90	12.50	559	124
				318		133		60

## MARATHON FRONT TERMINAL ELECTRICAL DATA

MODEL NUMBER	SHORT CIRCUIT CURRENT	INTERNAL RESISTANCE (mOhms)
M12V180FT	4147	3.0

## FLOAT VOLTAGE &amp; CHARGING

CONSTANT VOLTAGE CHARGING IS RECOMMENDED

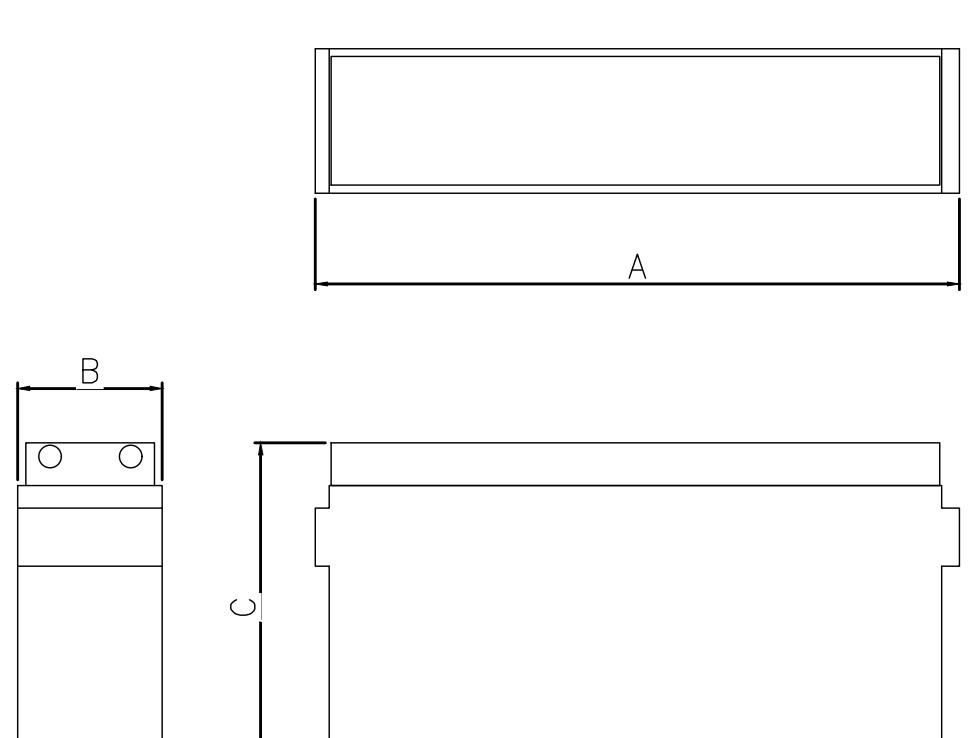
RECOMMENDED FLOAT VOLTAGE: 2.27 VPC @ 25°C (77°F)

FLOAT VOLTAGE RANGE: 2.25 TO 2.30 VPC @ 25°C (77°F)

EQUALIZE VOLTAGE: 2.35 VPC FOR 24 HOURS

BATTERY TYPE: M12V180FT  
LEAD WEIGHT: 60.3 KG/133.0 LBS  
ELECTROLYTE VOLUME: 8.19 L/2.17 GAL  
ELECTROLYTE WEIGHT: 10.80 KG/23.80 LBS  
SULFURIC ACID WEIGHT: 4.53 KG/9.98 LBS  
SULFURIC ACID VOLUME: 2.46 L/0.65 GAL

TOTAL ELECTROLYTE PER BATTERY: 3.94 GALLONS  
(20) BATTERIES X 3.94 GA = 78.8 GALLONS OF TOTAL ELECTROLYTES



ORTHOGRAPHIC VIEWS

1 MARATHON M12V180FT DETAILS  
N.T.S.

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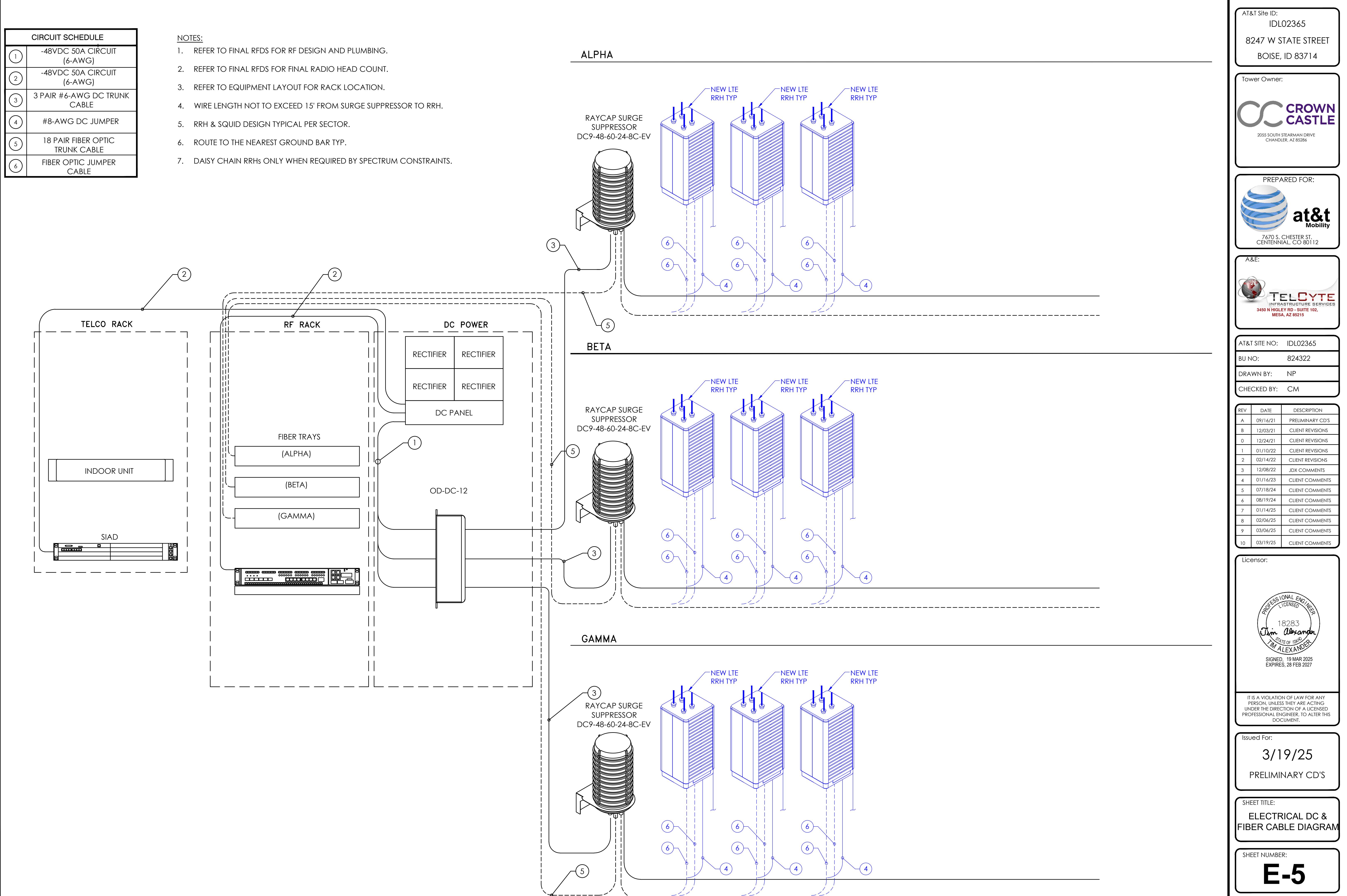
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SIGNED: 19 MAR 2025  
EXPIRES: 28 FEB 2027

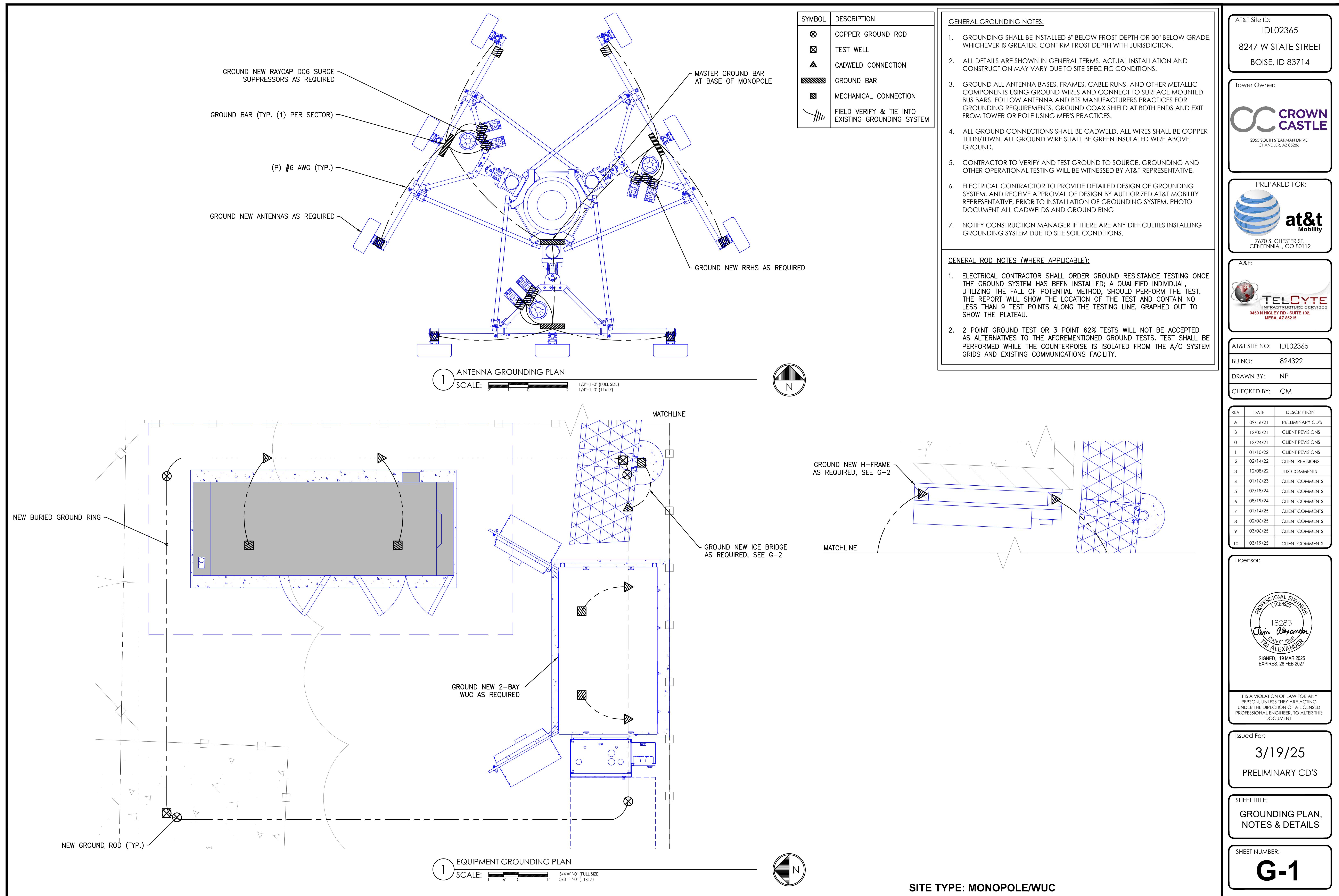
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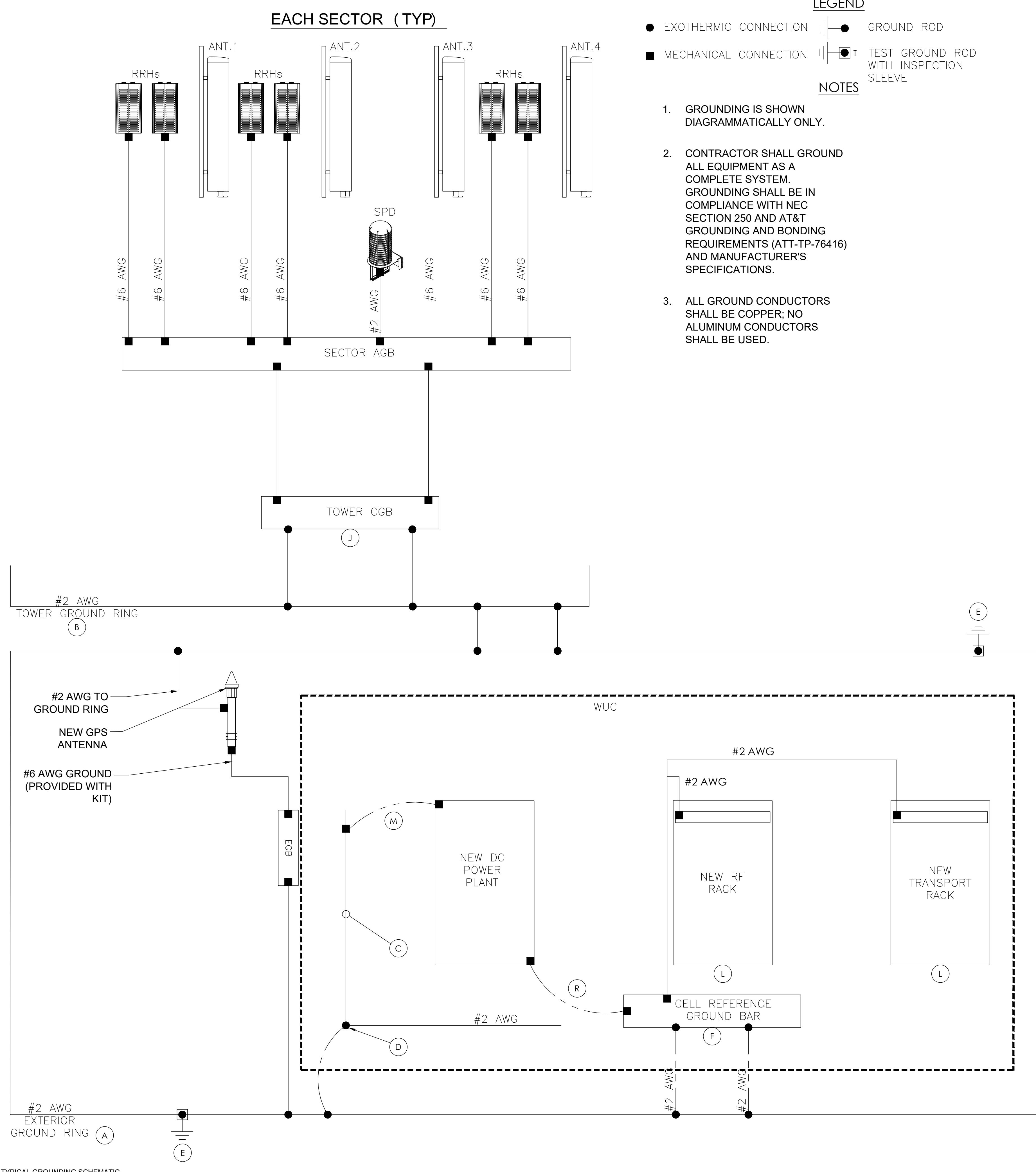
Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
**BATTERY DETAILS & SPECIFICATIONS**

SHEET NUMBER:  
**E-4**







- EXTERIOR GROUND RING:** #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING. (ATT-TP-76416 2.2.3.5.7.5.1)
- TOWER GROUND RING:** THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS. (ATT-TP-76416 7.5.1)
- INTERIOR GROUND RING:** #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR. (ATT-TP-76416 7.6.4)
- BOND TO INTERIOR GROUND RING:** #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING. (ATT-TP-76416 7.5.2.2)
- GROUND ROD:** UL LISTED COPPER CLAD STEEL. MINIMUM 5/8" DIAMETER BY EIGHT FEET LONG. ALL GROUND RODS MAY BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR. (ATT-TP-76416 1.4 / 2.2.3.10)
- CELL REFERENCE GROUND BAR:** POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS. (ATT-TP-76416 7.6.7)
- HATCH PLATE GROUND BAR:** BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING USING TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS.
- EXTERIOR CABLE ENTRY PORT GROUND BARS:** LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING. BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE. (ATT-TP-76416 7.6.7.2)
- TOWER EXIT GROUND BAR:** #2 AWG SOLID TINNED COPPER BOND TO THE TOWER GROUND RING. (ATT-TP-76416 7.5.5)
- TELCO GROUND BAR:** BOND TO BOTH CELL REFERENCE GROUND BAR AND EXTERIOR GROUND RING. (ATT-TP-76416 7.6.8)
- FRAME BONDING:** THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENT'S METAL FRAMEWORK. BOND THE FRAME GROUND BUS OR SUPPLEMENTARY CONDUCTOR TO THE "I" SECTION OF THE CELL REFERENCE GROUND BAR. (ATT-TP-76416 6.5.3 AND 7.8)
- INTERIOR UNIT BONDS:** METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITHIN THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING. (ATT-TP-76416 7.12.3.1)
- FENCE AND GATE GROUNDING:** METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH GATE POST AND ACROSS GATE OPENINGS. (ATT-TP-76416 7.12.2.2)
- EXTERIOR UNIT BONDS:** METALLIC OBJECTS, EXTERNAL TO OR MOUNTED TO THE BUILDING, SHALL BE BONDED TO THE EXTERIOR GROUND RING. (ATT-TP-76416 7.12.2)
- ICE BRIDGE SUPPORTS:** EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING. (ATT-TP-76416 7.4.2.6)
- DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICES CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE GROUND BAR (CRGB) PER TP76300 SECTION H 6 AND TP76416 FIGURE 7-11 REQUIREMENTS.

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

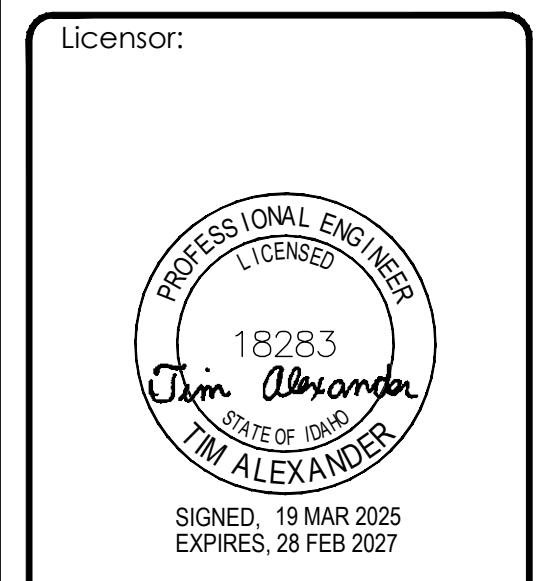
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
CHECKED BY: CM

REV	DATE	DESCRIPTION
A	09/16/21	PRELIMINARY CD'S
B	12/03/21	CLIENT REVISIONS
0	12/24/21	CLIENT REVISIONS
1	01/10/22	CLIENT REVISIONS
2	02/14/22	CLIENT REVISIONS
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PRELIMINARY CD'S

SHEET TITLE:  
GROUNDING DETAILS

SHEET NUMBER:  
**G-2**

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

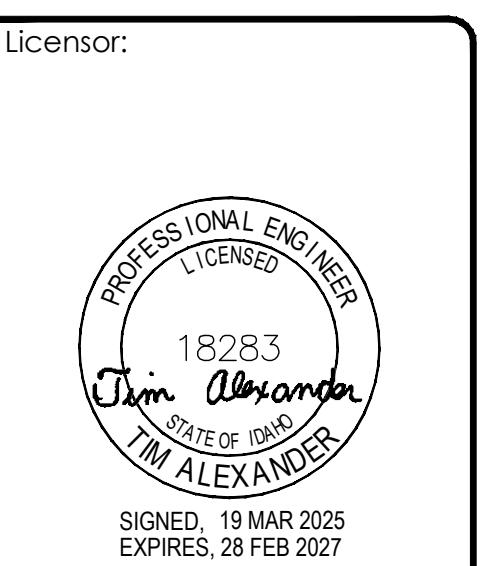
Tower Owner:  
**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TEL CYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
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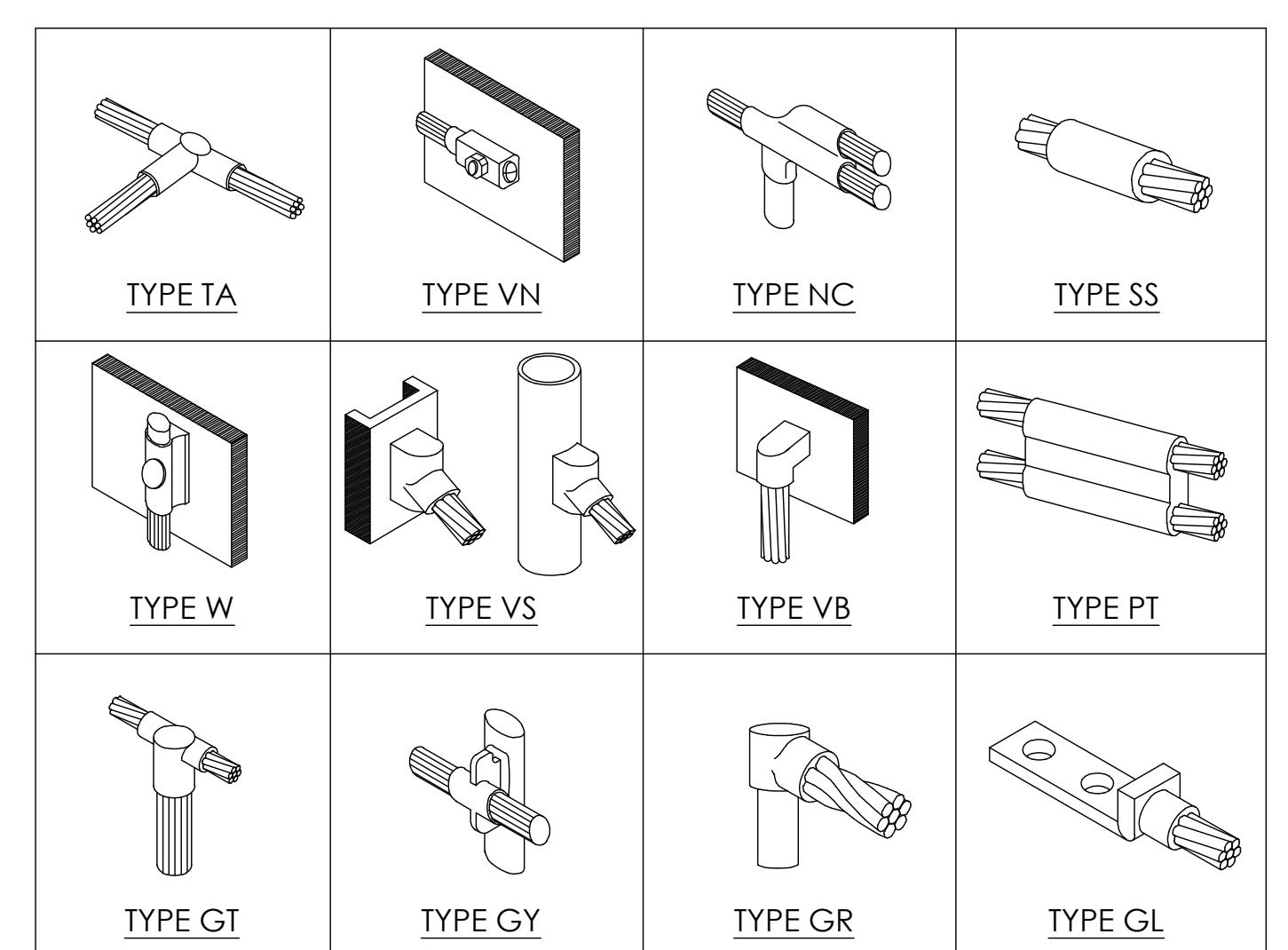
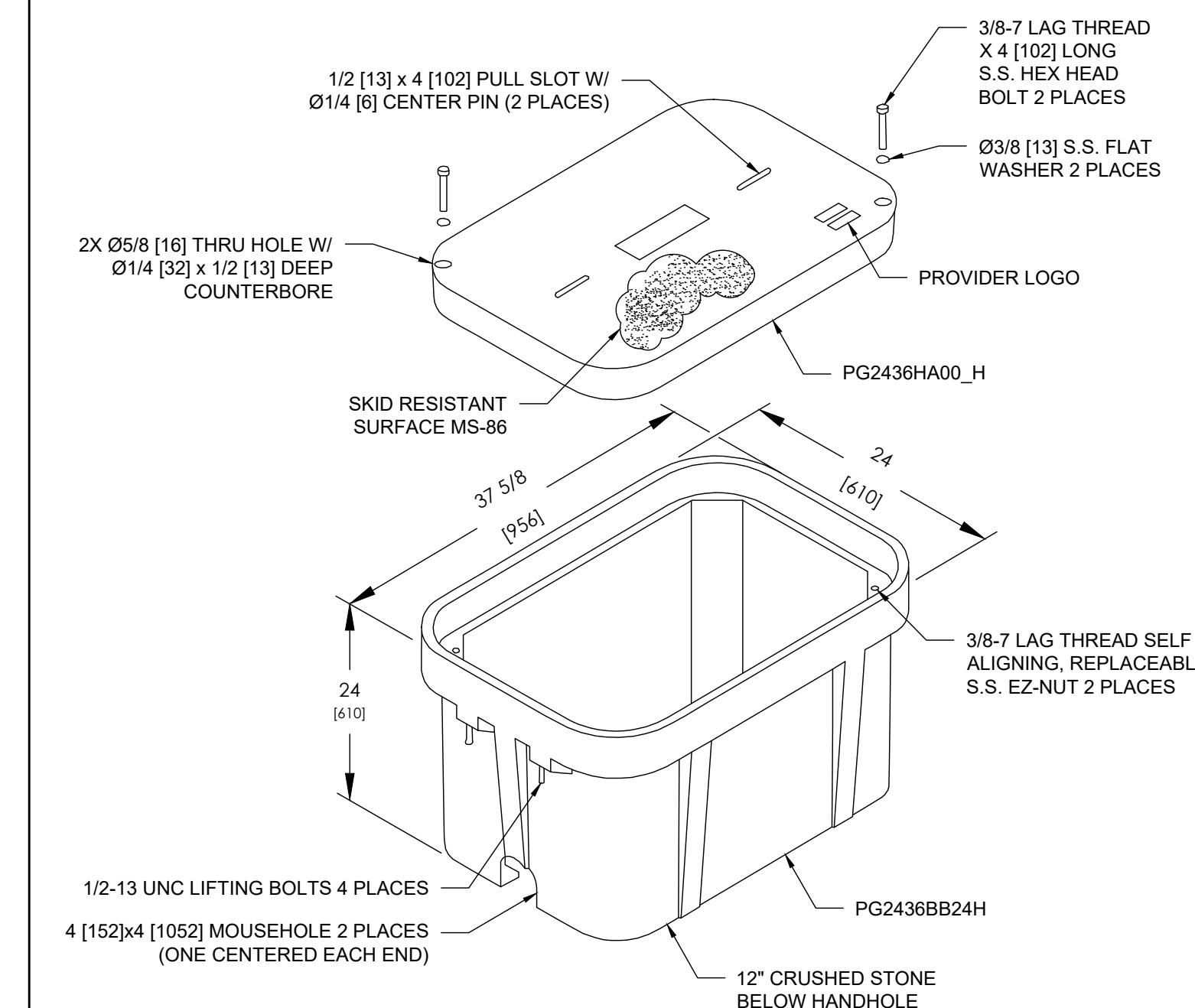
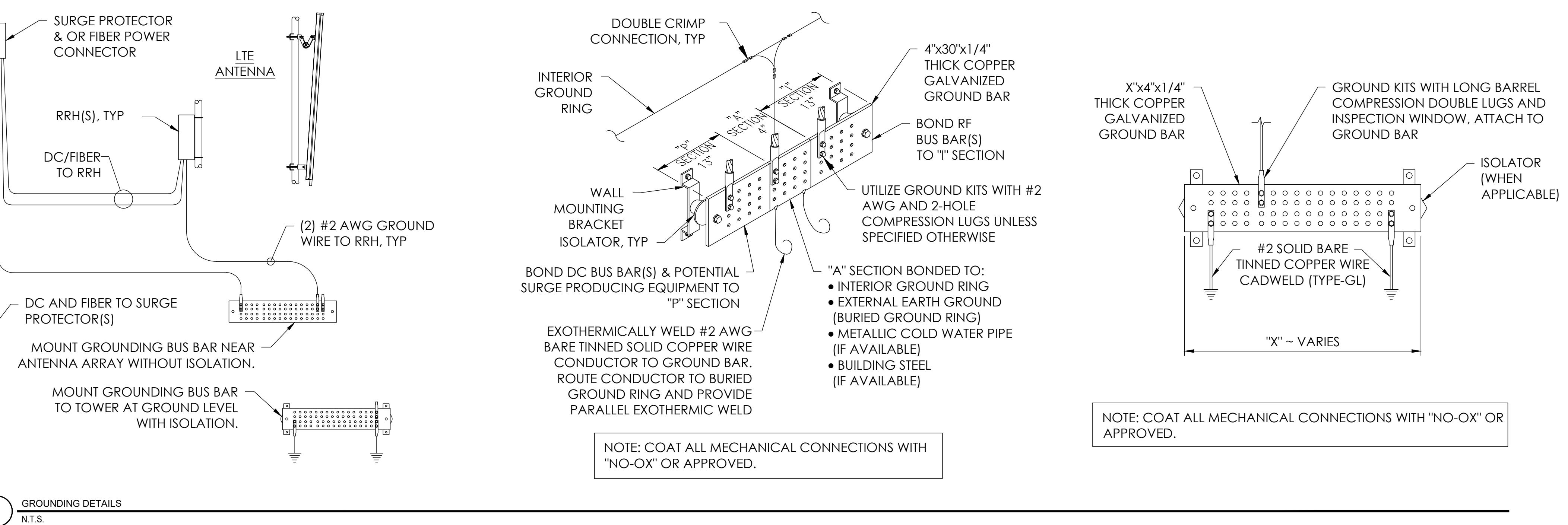
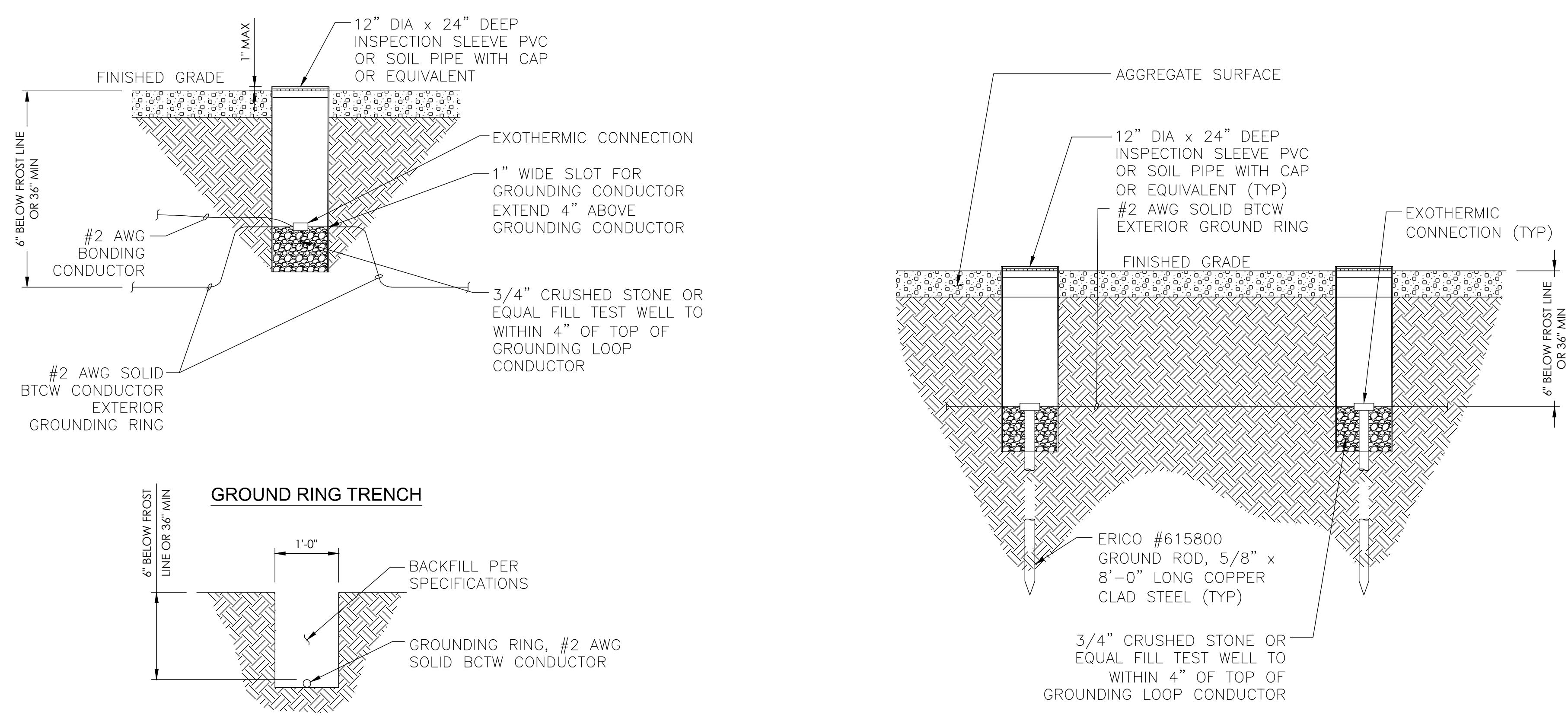


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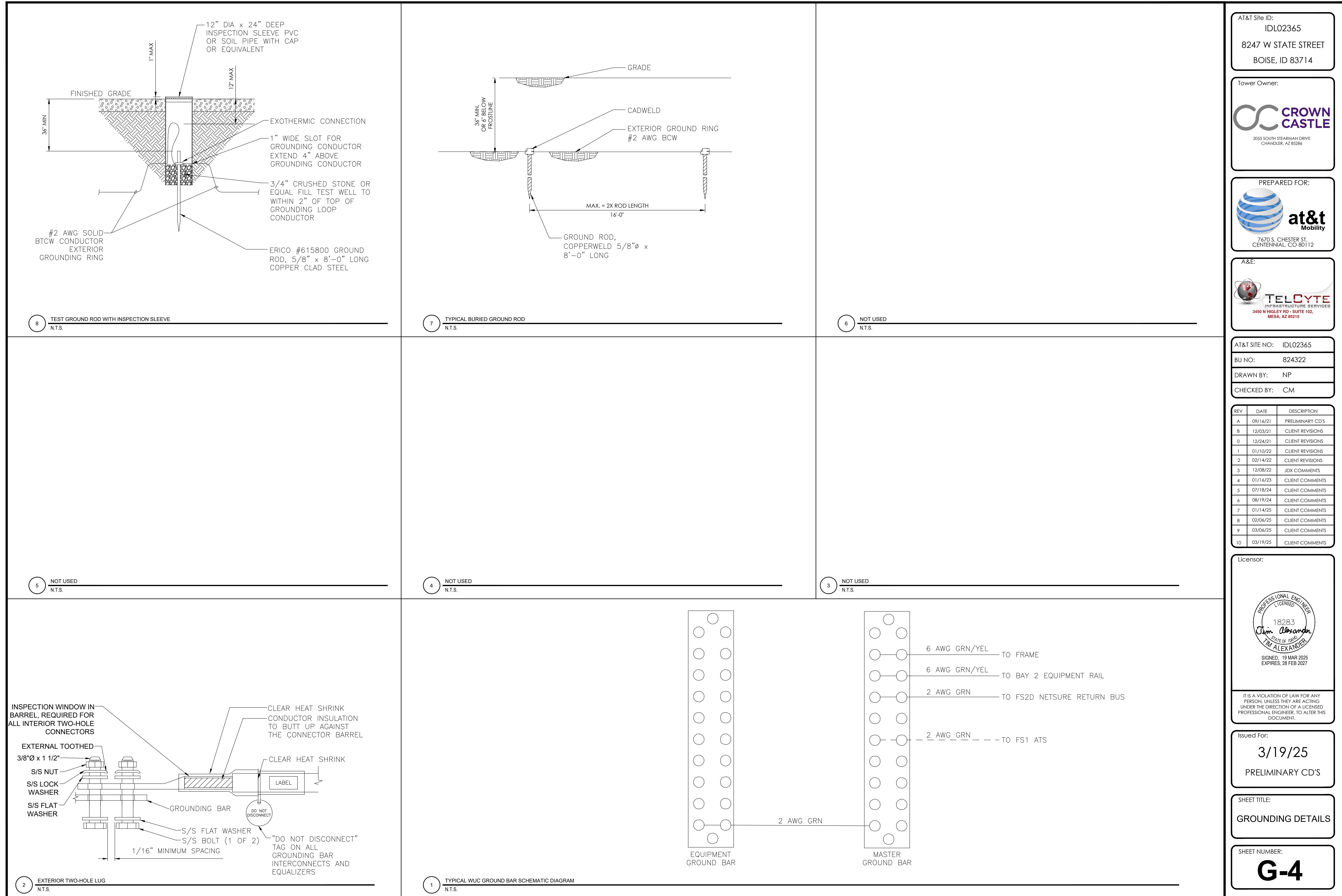
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GROUNDING DETAILS

SHEET NUMBER:  
**G-3**



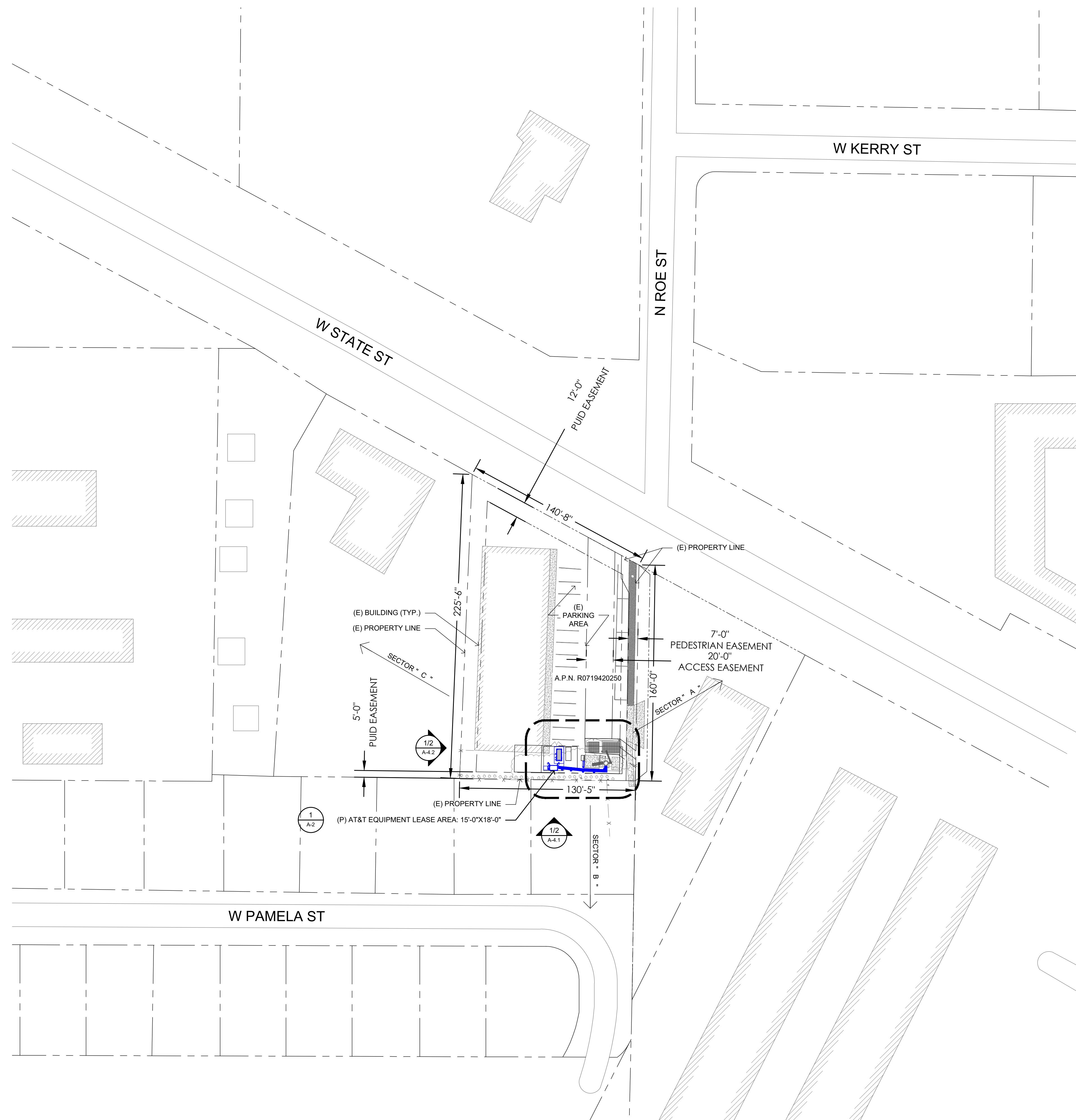
NOTE: CADWELD "TYPES" SHOWN ABOVE ARE EXAMPLES - CONSULT WITH PROJECT MANAGER FOR SPECIFIC TYPES OF CADWELDS TO BE USED.

1 CAD WELD EXAMPLES  
N.T.S.



**NOTE**

THERE IS NO LANDSCAPING ON SITE AT THIS TIME.



SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:

**CROWN CASTLE**  
2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85284

PREPARED FOR:  
**at&t**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

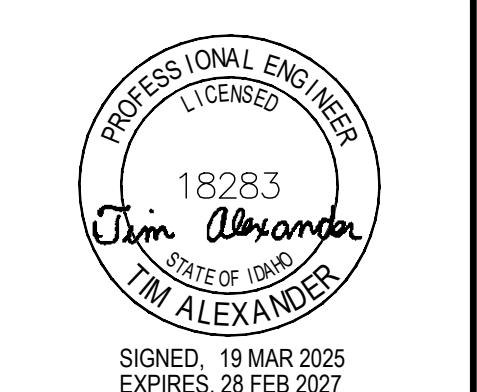
A&amp;E:

**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
BU NO: 824322  
DRAWN BY: NP  
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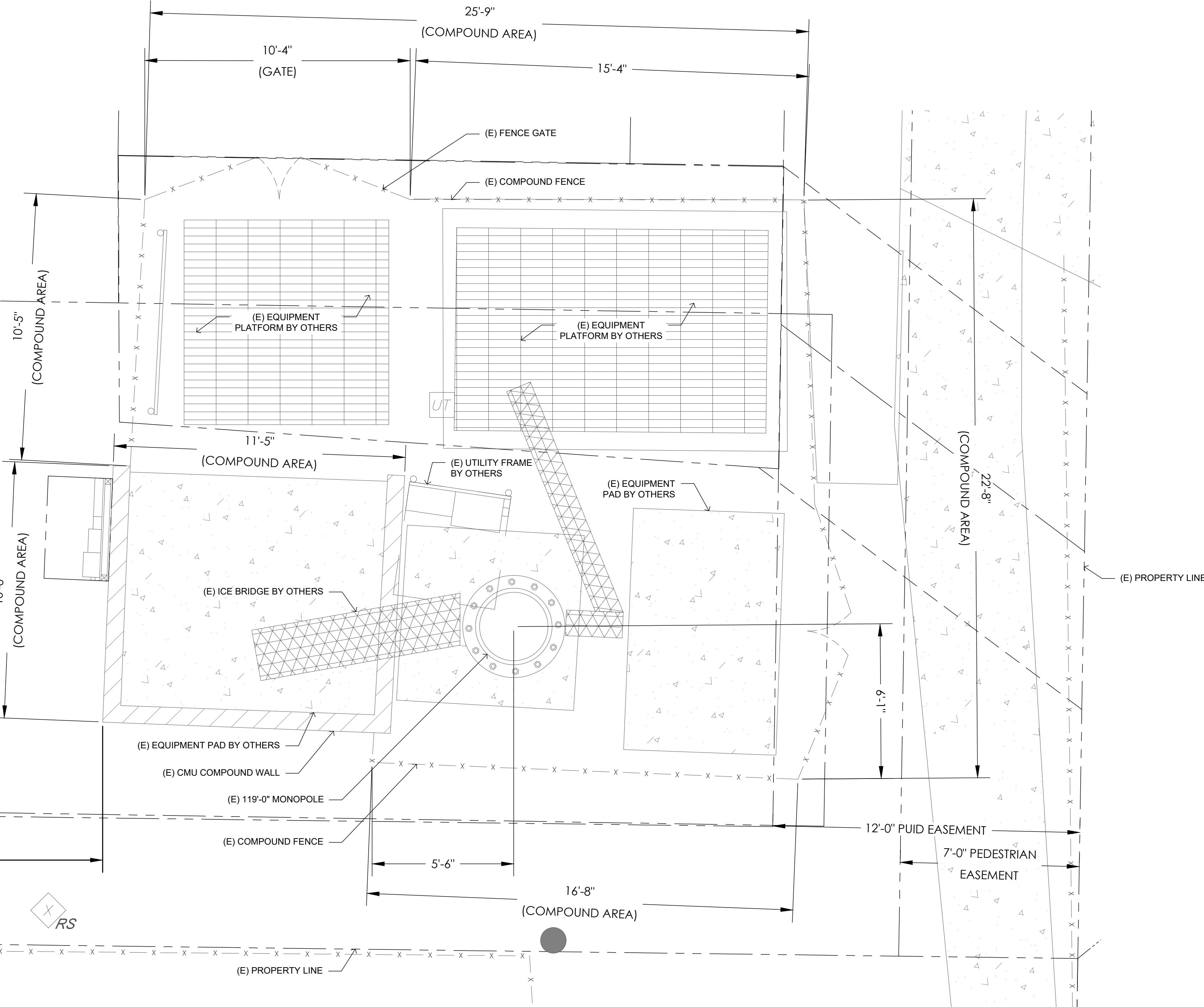
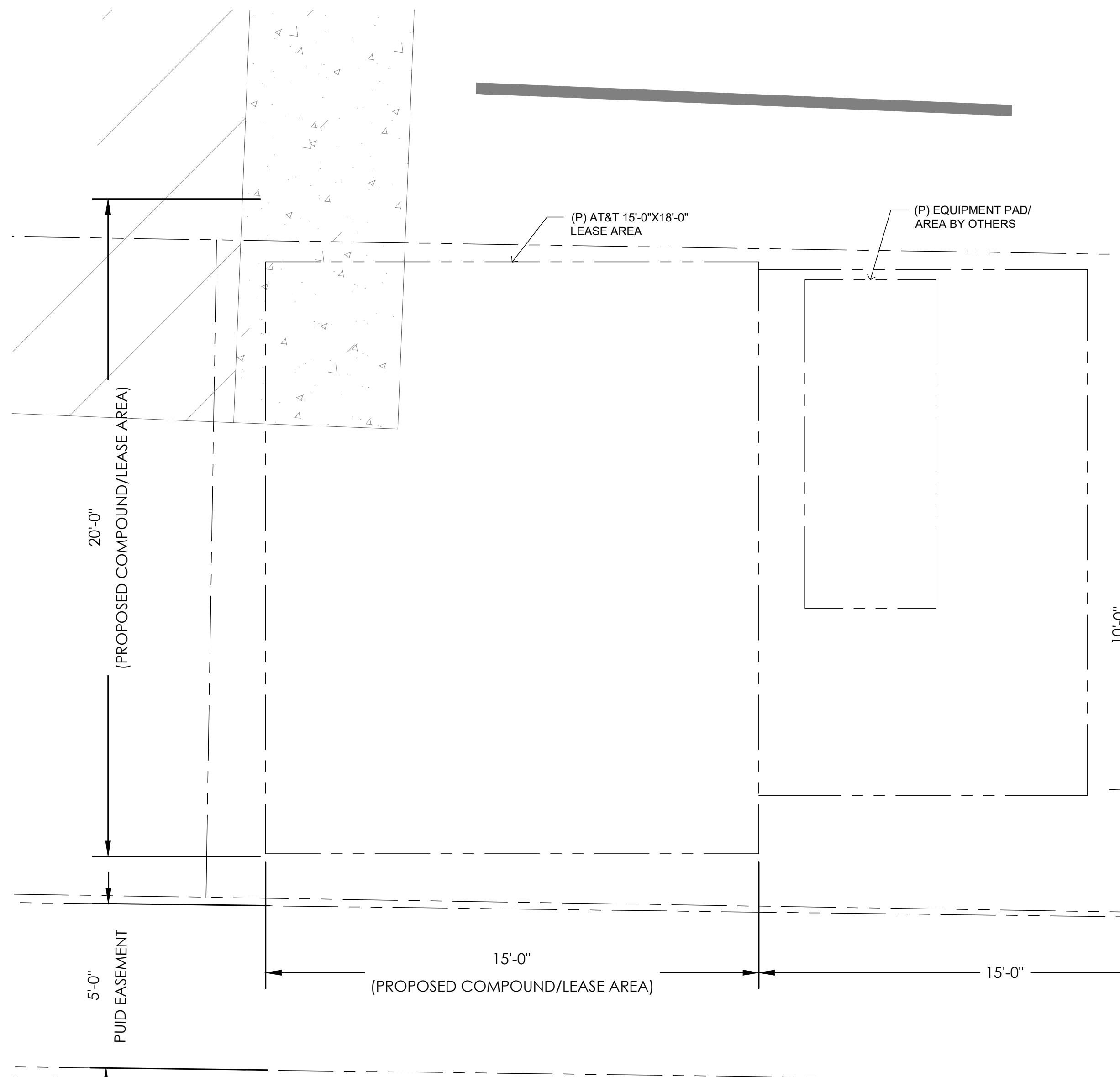


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Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
**OVERALL SITE PLAN**

SHEET NUMBER:  
**A-1**



## 1 EXISTING COMPOUND PLAN

SCALE:  3/8"=1'-0" (FULL SIZE)  
3/16"=1'-0" (11x17)

## SITE TYPE: MONOPOLE/WUC

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

Tower Owner:

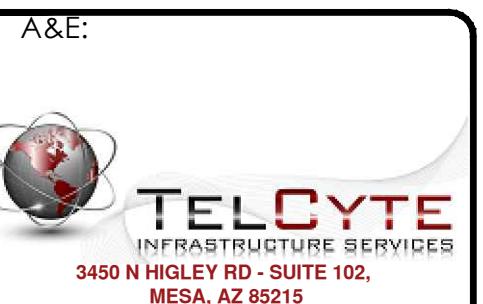


2055 SOUTH STEARMAN DRIVE  
CHANDLER, AZ 85286

CHANDLER, AZ 85260



7670 S. CHESTER ST.



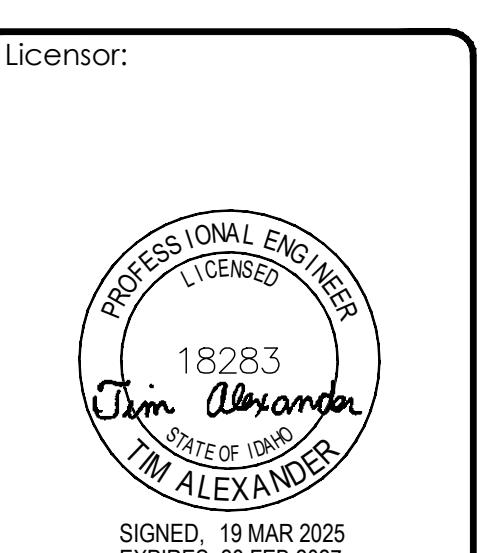
ITF NO: IDI 02365

11. *What is the primary purpose of the following statement?*

: 824322

LIBRARY: NP

EV	DATE	DESCRIPTION
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R THE DIRECTION OF A LICENSED  
SIONAL ENGINEER, TO ALTER THIS

ssued For:

SHEET TITLE:  
**EXISTING  
COMPOUND PLAN**

CLIENT NUMBER

NUMBER:

A 3

A. 7

NUMBER:  
**A-2**

AT&T Site ID:  
IDL02365  
8247 W STATE STREET  
BOISE, ID 83714

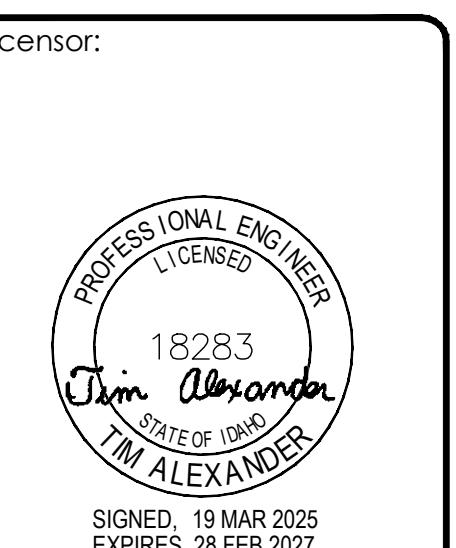
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CHANDLER, AZ 85284

PREPARED FOR:  
**at&t Mobility**  
7670 S. CHESTER ST.  
CENTENNIAL, CO 80112

A&E:  
**TELCYTE**  
INFRASTRUCTURE SERVICES  
3450 N HIGLEY RD - SUITE 102,  
MESA, AZ 85215

AT&T SITE NO: IDL02365  
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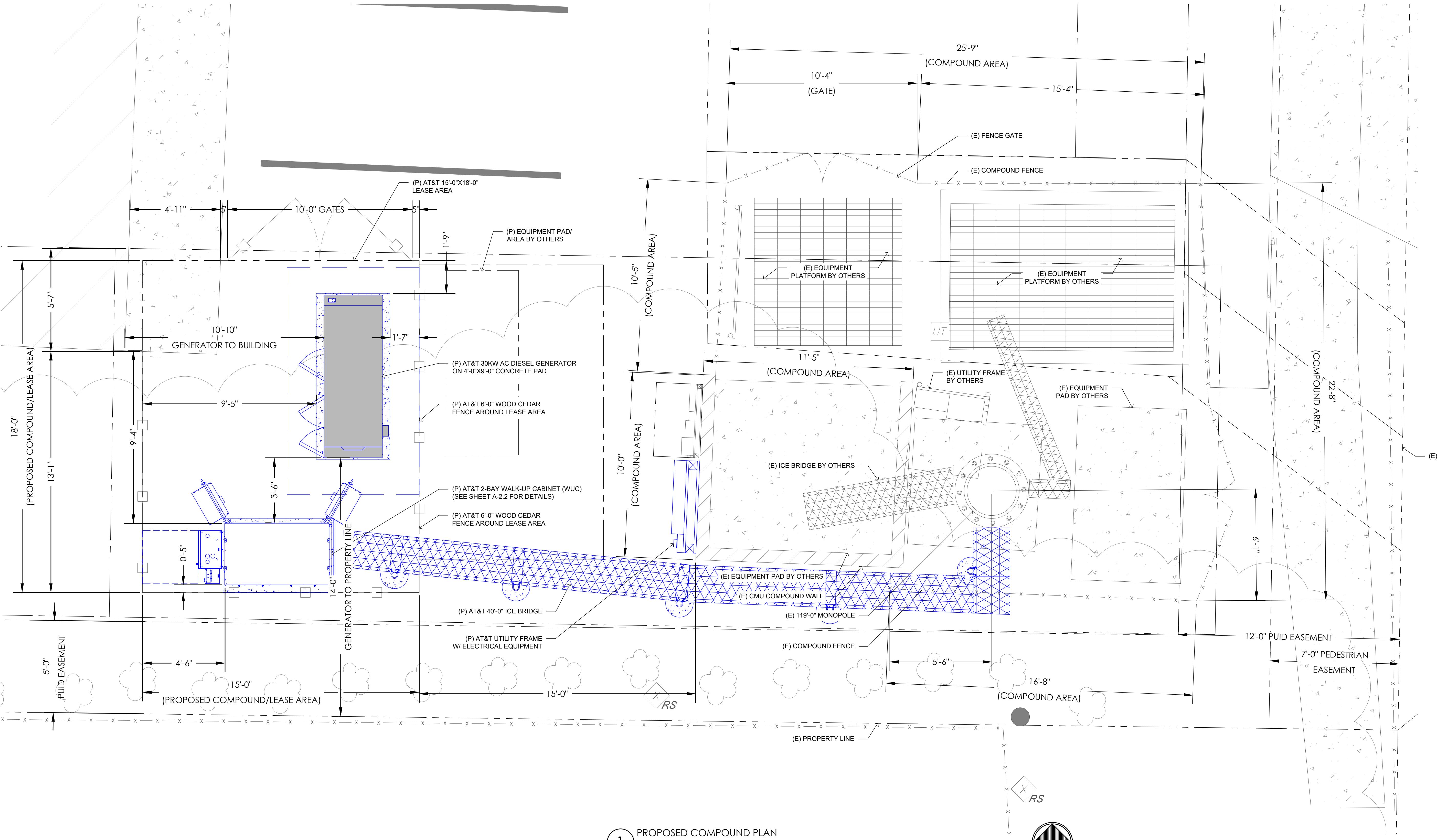


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Issued For:  
3/19/25  
PRELIMINARY CD'S

SHEET TITLE:  
**PROPOSED  
COMPOUND PLAN**

SHEET NUMBER:  
**A-2.1**



Parcel: **R0719420250**

Year: **2025**

Parcel Status: **Active**

## Property Details

**Primary Owner:** DBII LLC

**Address:** 8247 W STATE ST GARDEN CITY, ID 837140000

**Instrument #:** 2020069819

**Subdivision:** AZALEA SUB

**Assessor ID:** LOT 11 BLK 2 AZALEA SUBDIVISION

**Township/Range/Section:** 4N1E24

**Land Group Type:** SUB

**Zone Code:** C-2

**Total Acres:** 0.567

**Tax Code Area:** 06-3



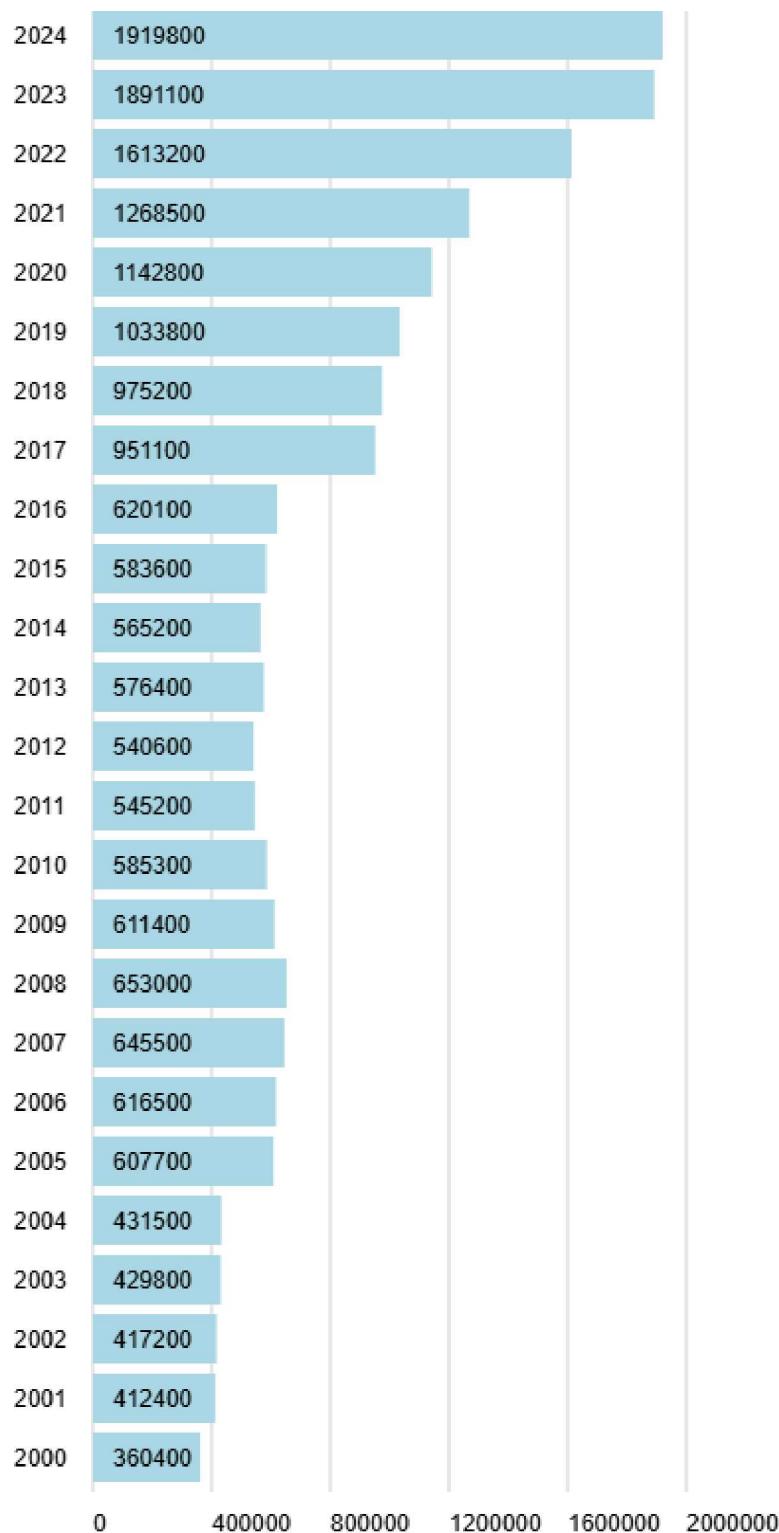


## Valuation

### Valuation Details

Roll	State Category Code	Acreage	Assessed Value	Valuation Method	Code Area
Property	420	0.000	1210900	INCOME	06-3
Property	401	0.000	162000	COST	06-3
Property	210	0.567	281000	MARKET	06-3
Property	450	0.000	265900	MARKET	06-3

### Valuation History by Year



## Tax Districts

Tax District	Levy	Description	Phone
1	0.001544150	ADA COUNTY	2082877000
3	0.000084684	EMERGENCY MEDICAL	2082872975

Tax District	Levy	Description	Phone
6	0.000495404	ADA COUNTY HIGHWAY DIST	2083876100
7	0.002796979	SCHOOL DISTRICT NO. 1	2084722607
16	0.001948532	GARDEN CITY	2084722907
19	0.000020371	DRY CREEK CEMETERY	2088531940
26	0.001607290	N ADA CO FIRE & RESCUE	2083750906
43	0.000015041	MOSQUITO ABATEMENT	2085774646
45	0.000068291	FLOOD CONTROL DIST. #10	2088612766
100	0.000085194	COLLEGE OF WESTERN IDAHO	2085623291

**Total Levy:** 0.008665936

**Note:** The current year levies are estimated using the previous year, they will be updated when the districts set them in October.

## Taxes

Year	Total Taxes	Taxes Paid	Taxes Due	Delinquent	Tax Data Current as of
2024	16641.86	-16641.86	0.00	No	3/21/2025
2023	17317.62	-17317.62	0.00	No	3/21/2025
2022	13683.66	-13683.66	0.00	No	3/21/2025
2021	13739.00	-13739.00	0.00	No	3/21/2025
2020	13480.92	-13480.92	0.00	No	3/21/2025
2019	13942.94	-13942.94	0.00	No	3/21/2025
2018	14049.62	-14049.62	0.00	No	3/21/2025
2017	14163.74	-14163.74	0.00	No	3/21/2025
2016	9543.12	-9543.12	0.00	No	3/21/2025
2015	9189.22	-9189.22	0.00	No	3/21/2025
2014	9045.14	-9045.14	0.00	No	3/21/2025

"Total Taxes" is the full annual property tax charge and may not reflect any certifications, special assessments, adjustments, or fees.

"Taxes Paid" includes payments made by the taxpayer or on their behalf, such as payments by mortgage servicers and the State of Idaho for the Property Tax Reduction Program (circuit breaker), Veteran's Property Tax Reduction Program, and the Homeowner's Tax Relief credit.

"Taxes Due" includes all taxes owing for the first and second half installments. If the first half is paid timely, the second half is due by June 20.

Please refer to your tax bill or contact the Treasurer's Office for information about taxes due and due dates. You can find your most recent tax bill and contact information for the Treasurer's Office at [adacounty.id.gov/treasurer](https://adacounty.id.gov/treasurer) (<https://adacounty.id.gov/treasurer/>).

\*Interest accrues daily on delinquencies. Please call the Ada County Treasurer's Office at [\(208\) 287-6800](tel:2082876800) (<tel:2082876800>) for the total amount due with interest calculated to date of payment.

For Tax inquires please contact the [Treasurer](https://adacounty.id.gov/treasurer/) (<https://adacounty.id.gov/treasurer/>), at [\(208\) 287-6800](tel:2082876800) (<tel:2082876800>)

## Characteristics

### Land

Characteristic	Value
<b>Residential Acres</b>	0.000
<b>Commercial Acres</b>	0.567
<b>Other Acres</b>	0.000
<b>Street</b>	None
<b>Sidewalks</b>	No
<b>Curb-gutters</b>	No
<b>Corner</b>	No

### Commercial

Characteristic	Value
<b>Commercial Group Type</b>	CELL TOWERS (UPDATE LAND YEARLY)
<b>Year Built</b>	2005
<b>Year Remodel</b>	N/A
<b>Business Name</b>	Mono Pole 120'
<b>Number of Floors</b>	1
<b>Number of Units</b>	0

Characteristic	Value
<b>Leasable Sq Ft</b>	0
<b>Ground Floor Sq Ft</b>	1
<b>Total Square Feet</b>	1
<b>Total Land Acres</b>	0.000
<b>Method</b>	COST

#### Sketch



Ada County appraisers follow American National Standards Institute (ANSI) building measurement standards for square footage calculations. This information is to be used ONLY for reference purposes and Ada County is not responsible for any inaccuracies. If you have questions concerning the accuracy, please use the Help option in the Menu at the top of this screen.

Date: **June 11, 2024**



Morrison Hershfield  
1455 Lincoln Parkway, Suite 500  
Atlanta, GA 30346  
(770) 379-8500

<b>Subject:</b>	<b>Structural Analysis Report</b>	
<b>Carrier Designation:</b>	<b>AT&amp;T Mobility Co-Locate</b>	
	<b>Site Number:</b>	IDL02365
	<b>Site Name:</b>	NW Boise City
	<b>FA Number:</b>	15201834
<b>Crown Castle Designation:</b>	<b>BU Number:</b>	824322
	<b>Site Name:</b>	GrdnCity_Roe
	<b>JDE Job Number:</b>	2110929
	<b>Work Order Number:</b>	2294676
	<b>Order Number:</b>	665802 Rev. 2
<b>Engineering Firm Designation:</b>	<b>Morrison Hershfield Project Number:</b> CN5-036R8 / 2400001	
<b>Site Data:</b>	<b>8247 W State Street, Garden City, Ada County, ID 83714</b> <b>Latitude 43° 40' 22.63", Longitude -116° 17' 21.27"</b> <b>118 Foot – EEI Monopole Tower</b>	

Morrison Hershfield is pleased to submit this **“Structural Analysis Report”** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

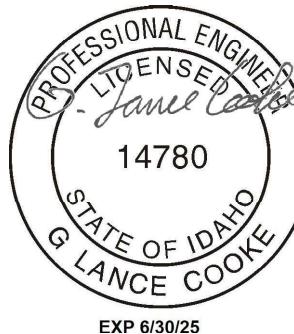
LC5: Proposed Equipment Configuration

**Sufficient Capacity**

This analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 102 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, C.E. (ID License No. P-14780)  
Senior Engineer



Digitally signed by G.  
Lance Cooke  
Date: 2024.06.11  
18:56:06+05'30'

## TABLE OF CONTENTS

### 1) INTRODUCTION

### 2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration  
Table 2 - Other Considered Equipment

### 3) ANALYSIS PROCEDURE

Table 3 - Documents Provided  
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Table 4 - Section Capacity (Summary)  
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### 5) APPENDIX A

tnxTower Output

### 6) APPENDIX B

Base Level Drawing

### 7) APPENDIX C

Additional Calculations

## 1) INTRODUCTION

This tower is a 118 ft Monopole tower designed by Engineered Endeavors, Inc

## 2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	102 mph
Exposure Category:	C
Topographic Factor:	1
Service Wind Speed:	60 mph

**Table 1 - Proposed Equipment Configuration**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	
80.0	80.0	82.0	3	ericsson	AIR 6419 B77G	5 2	7/8 3/8
		6	commscope	NNH4-65C-R6-V3 w/ Mount Pipe			
		3	ericsson	4490 B5/B12			
		3	ericsson	4890 B25/B66			
		3	ericsson	RADIO 4478 B14			
		2	raycap	DC9-48-60-24-PC16-EV			
		3	Commscope	12.5' Sector Mount [# MCG23HDXL-12M12126]			
	78.0	3	ericsson	AIR 6419 B77D w/ Mount Pipe			

**Table 2 - Other Considered Equipment**

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
120.0	120.0	4	ericsson	AIR 32 B2A/B66AA w/ Mount Pipe	5 2 1	1-5/8 1-3/8 3/4
		4	ericsson	AIR6449 B41_T-MOBILE w/ Mount Pipe		
		4	rfs celwave	APXVAALL24_43-U-NA20_TMO w/ Mount Pipe		
		4	ericsson	RRUS 4415 B25_CCIV2		
		4	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		1	-	T-Arm Mount [TA 601-1]		
		1	-	T-Arm Mount [TA 601-3]		
107.0	107.0	3	rfs celwave	APXVBBL20X_43-C-I20 w/ Mount Pipe	3	1-9/16
		3	samsung telecommunications	RFD01F-26A		
		3	samsung telecommunications	RRH-P4		
		1	tower mounts	T-Arm Mount [TA 702-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
97.0	97.0	2	raycap	RHSDC-3315-PF-48	2	1-5/8
96.0	97.0	3	ericsson	RADIO 4449 B13/B5	1	1-7/8
		3	ericsson	RADIO 8843 B2/B66A_CCIV2		
		1	-	Platform Mount [LP 602-1]		
	94.0	3	commscope	NHH-65C-R2B w/ Mount Pipe		
		3	commscope	NIHSS-65B-R2B w/ Mount Pipe		
		3	ericsson	AIR 6449 w/ Mount Pipe		
		3	ericsson	RADIO 4408		

### 3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3489772	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3489771	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3489773	CCISITES

#### 3.1) Analysis Method

tnxTower (version 8.2.4.3), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

#### 3.2) Assumptions

- 1) Tower and structures were maintained in accordance with the TIA-222 Standard.
- 2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

### 4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	118 - 77.04	Pole	TP27.2x18x0.1875	1	-11.26	955.27	47.6	Pass
L2	77.04 - 48.17	Pole	TP33.18x25.9445x0.1875	2	-19.99	1168.39	87.2	Pass
L3	48.17 - 0	Pole	TP43.5x31.7745x0.25	3	-29.16	2108.03	80.9	Pass
							Summary	
							Pole (L2)	87.2
							Rating =	87.2
								Pass

**Table 5 - Tower Component Stresses vs. Capacity - LC5**

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	65.9	Pass
1	Base Plate		67.8	Pass
1	Base Foundation (Structure)	0	42.1	Pass
1	Base Foundation (Soil Interaction)		32.5	Pass

<b>Structure Rating (max from all components) =</b>	<b>87.2%*</b>
---	---------------

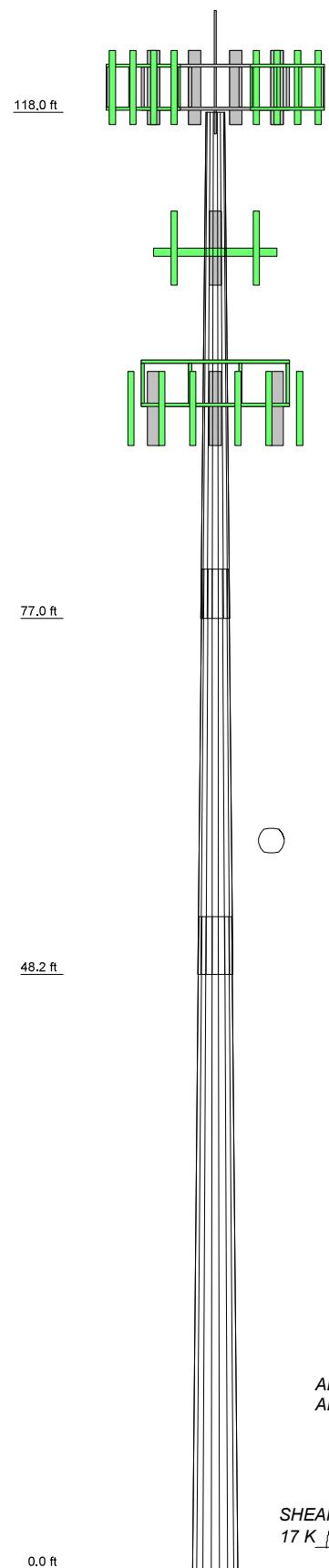
Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) \*Rating per TIA-222-H, Section 15.5.

#### **4.1) Recommendations**

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

**APPENDIX A**  
**TNXTOWER OUTPUT**



### MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

### TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-H Standard.
2. Tower designed for a 102 mph basic wind in accordance with the TIA-222-H Standard.
3. Deflections are based upon a 60 mph wind.
4. Tower Risk Category II.
5. Topographic Category 1 with Crest Height of 0.00 ft
6. TOWER RATING: 87.2%

ALL REACTIONS  
ARE FACTORED

AXIAL  
29 K

SHEAR  
17 K

MOMENT  
1524 kip-ft

TORQUE 3 kip-ft

REACTIONS - 102 mph WIND

## Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower base elevation above sea level: 2605.00 ft.

Basic wind speed of 102 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used:  $K_{es}(F_w) = 0.95$ .

Maximum demand-capacity ratio is: 1.05.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Options

Consider Moments - Legs	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Horizontals	Assume Rigid Index Plate	Ignore Redundant Members in FEA
Consider Moments - Diagonals	Use Clear Spans For Wind Area	SR Leg Bolts Resist Compression
Use Moment Magnification	Use Clear Spans For KL/r	All Leg Panels Have Same Allowable
✓ Use Code Stress Ratios	Retention Guys To Initial Tension	Offset Girt At Foundation
✓ Use Code Safety Factors - Guys	✓ Bypass Mast Stability Checks	✓ Consider Feed Line Torque
Escalate Ice	✓ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Always Use Max Kz	✓ Project Wind Area of Appurtenances	Use TIA-222-H Bracing Resist. Exemption
Use Special Wind Profile	✓ Alternative Appurt. EPA Calculation	Use TIA-222-H Tension Splice Exemption
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Poles
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	✓ Include Shear-Torsion Interaction
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Always Use Sub-Critical Flow
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Use Top Mounted Sockets
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Pole Without Linear Attachments
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole With Shroud Or No Appurtenances
Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules	Outside and Inside Corner Radii Are Known

## Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	118.00-77.04	40.96	3.92	18	18.0000	27.2000	0.1875	0.7500	A572-65 (65 ksi)
L2	77.04-48.17	32.79	4.67	18	25.9445	33.1800	0.1875	0.7500	A572-65 (65 ksi)
L3	48.17-0.00	52.84		18	31.7745	43.5000	0.2500	1.0000	A572-65 (65 ksi)

## Tapered Pole Properties

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	It/Q in <sup>2</sup>	w in	w/t
L1	18.2488	10.6007	424.9328	6.3234	9.1440	46.4712	850.4248	5.3013	2.8380	15.136
	27.5907	16.0758	1481.9720	9.5894	13.8176	107.2525	2965.8939	8.0394	4.4572	23.772
L2	27.1942	15.3287	1284.7927	9.1437	13.1798	97.4818	2571.2760	7.6658	4.2362	22.593

Section	Tip Dia. in	Area in <sup>2</sup>	I in <sup>4</sup>	r in	C in	I/C in <sup>3</sup>	J in <sup>4</sup>	I/tQ in <sup>2</sup>	w in	w/t
L3	33.6629	19.6347	2700.1713	11.7123	16.8554	160.1958	5403.8956	9.8192	5.5097	29.385
	33.2784	25.0147	3140.7226	11.1912	16.1415	194.5750	6285.5778	12.5097	5.1523	20.609
	44.1325	34.3189	8110.4083	15.3537	22.0980	367.0200	16231.488	17.1627	7.2160	28.864
4										

Tower Elevation ft	Gusset Area (per face) ft <sup>2</sup>	Gusset Thickness in	Gusset Grade Adjust. Factor A <sub>f</sub>		Adjust. Factor A <sub>r</sub>	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
			1	1			1	1	1
L1 118.00- 77.04									
L2 77.04- 48.17									
L3 48.17-0.00									

### Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	Number Per Row	Start/En d Position	Width or Diamete r in	Perimete r in	Weight plf
Safety Line 3/8	C	No	Surface Ar (CaAa)	118.00 - 12.00	1	1	0.000	0.3750		0.22
Climbing Pegs	C	No	Surface Ar (CaAa)	118.00 - 12.00	1	1	-0.050 0.050	0.7050		1.80
**										
TYPE 3(1-9/16)	A	No	Surface Ar (CaAa)	107.00 - 8.00	3	3	0.000 0.150	1.5700		0.80
**										

### Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Componen t Type	Placement ft	Total Number	C <sub>AA</sub> ft <sup>2</sup> /ft	Weight plf
**								
HCS 6X12 4AWG(1-5/8) MLE HYBRID 9POWER/18FIBE R RL 2(1-5/8)	A	No	No	Inside Pole	118.00 - 8.00	4	No Ice	0.00
HCS 6X12 6AWG(1-3/8) WR-VG86ST- BRD(3/4)	A	No	No	Inside Pole	118.00 - 8.00	1	No Ice	0.00
**								
HB158-1-08U8- S8J18(1-5/8)	B	No	No	Inside Pole	97.00 - 8.00	2	No Ice	0.00
**								
85096867_CCIV2(	B	No	No	Inside Pole	96.00 - 0.00	1	No Ice	0.00
1-7/8)								3.20
PWRT-606-S(7/8) RFFT-48SM-001- XXX(3/8)	B	No	No	Inside Pole	80.00 - 0.00	5	No Ice	0.00
**						2	No Ice	0.00
**								0.89
								0.06

### Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation	Face	$A_R$	$A_F$	$C_{AA}$ In Face	$C_{AA}$ Out Face	Weight
			ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	ft <sup>2</sup>	K
L1	118.00-77.04	A	0.000	0.000	14.111	0.000	0.67
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	4.424	0.000	0.08
L2	77.04-48.17	A	0.000	0.000	13.598	0.000	0.49
		B	0.000	0.000	0.000	0.000	0.30
		C	0.000	0.000	3.118	0.000	0.06
L3	48.17-0.00	A	0.000	0.000	18.920	0.000	0.69
		B	0.000	0.000	0.000	0.000	0.48
		C	0.000	0.000	3.906	0.000	0.07

### Feed Line Center of Pressure

Section	Elevation	$CP_x$	$CP_z$	$CP_x$ Ice	$CP_z$ Ice
	ft	in	in	in	in
L1	118.00-77.04	-1.8415	-0.8132	-1.2392	-0.5472
L2	77.04-48.17	-2.3773	-1.2454	-1.5950	-0.8356
L3	48.17-0.00	-2.0957	-1.1607	-1.3644	-0.7557

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

### Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	$K_a$ No Ice	$K_a$ Ice
L1	1	Safety Line 3/8	77.04 - 118.00	1.0000	1.0000
L1	2	Climbing Pegs	77.04 - 118.00	1.0000	1.0000
L1	9	TYPE 3(1-9/16)	77.04 - 107.00	1.0000	1.0000
L2	1	Safety Line 3/8	48.17 - 77.04	1.0000	1.0000
L2	2	Climbing Pegs	48.17 - 77.04	1.0000	1.0000
L2	9	TYPE 3(1-9/16)	48.17 - 77.04	1.0000	1.0000
L3	1	Safety Line 3/8	12.00 - 48.17	1.0000	1.0000
L3	2	Climbing Pegs	12.00 - 48.17	1.0000	1.0000
L3	9	TYPE 3(1-9/16)	8.00 - 48.17	1.0000	1.0000

### Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement	$C_{AA}$ Front	$C_{AA}$ Side	Weight
			ft ft ft	°	ft	ft <sup>2</sup>	ft <sup>2</sup>	K
*****								
Lightning Rod 3/4" x 7'	A	From Leg	0.00 0.00 3.25	0.0000	118.00	No Ice	0.53	0.53

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement		C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight
					ft	ft <sup>2</sup>			
*****									
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
(2) AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	3.76	3.15	0.19
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
(2) APXVAALL24_43-U-NA20_TMO w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	14.69	6.87	0.18
AIR6449 B41_T-MOBILE w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
AIR6449 B41_T-MOBILE w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
(2) AIR6449 B41_T-MOBILE w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	5.19	2.71	0.13
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
(2) RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.97	1.59	0.07
RRUS 4415 B25_CCIV2	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
RRUS 4415 B25_CCIV2	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
(2) RRUS 4415 B25_CCIV2	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.84	0.82	0.05
T-Arm Mount [TA 601-3]	C	None		0.0000	120.00	No Ice	12.56	12.56	0.73
T-Arm Mount [TA 601-1]	C	From Leg	2.00 0.00 0.00	0.0000	120.00	No Ice	7.97	2.50	0.24
6' x 2" Horizontal Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.14	0.01	0.02
6' x 2" Horizontal Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.14	0.01	0.02
(2) 6' x 2" Horizontal Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	1.14	0.01	0.02
4' x 2" Horizontal Face Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
4' x 2" Horizontal Face Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement		C <sub>AA</sub> Front	C <sub>AA</sub> Side	Weight
					ft	ft <sup>2</sup>			
(2) 4' x 2" Horizontal Face Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	120.00	No Ice	0.87	0.01	0.01
**									
APXVBBLL20X_43-C-I20 w/ Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
APXVBBLL20X_43-C-I20 w/ Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
APXVBBLL20X_43-C-I20 w/ Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	9.99	5.59	0.12
RFD01F-26A	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RFD01F-26A	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RFD01F-26A	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.32	0.81	0.05
RRH-P4	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06
RRH-P4	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06
RRH-P4	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	2.74	1.79	0.06
6' x 2" Mount Pipe	A	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.43	1.43	0.02
6' x 2" Mount Pipe	B	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.43	1.43	0.02
6' x 2" Mount Pipe	C	From Leg	3.00 0.00 0.00	0.0000	107.00	No Ice	1.43	1.43	0.02
T-Arm Mount [TA 702-3]	A	None		0.0000	107.00	No Ice	4.75	4.75	0.34
**									
RHSDC-3315-PF-48	B	From Leg	4.00 0.00 0.00	0.0000	97.00	No Ice	3.71	2.19	0.03
RHSDC-3315-PF-48	C	From Leg	4.00 0.00 0.00	0.0000	97.00	No Ice	3.71	2.19	0.03
**									
NHHSS-65B-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	3.89	3.14	0.09
NHHSS-65B-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	3.89	3.14	0.09
NHHSS-65B-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	3.89	3.14	0.09
NHH-65C-R2B w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08
NHH-65C-R2B w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement		C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K
					ft	ft <sup>2</sup>			
NHH-65C-R2B w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.56	4.47	0.08
AIR 6449 w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
AIR 6449 w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
AIR 6449 w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	5.18	2.72	0.12
RADIO 4449 B13/B5	A	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4449 B13/B5	B	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4449 B13/B5	C	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.71	0.08
RADIO 4408	A	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01
RADIO 4408	B	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01
RADIO 4408	C	From Leg	4.00 0.00 -2.00	0.0000	96.00	No Ice	0.60	0.33	0.01
RADIO 8843 B2/B66A_CCIV2	A	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
RADIO 8843 B2/B66A_CCIV2	B	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
RADIO 8843 B2/B66A_CCIV2	C	From Leg	4.00 0.00 1.00	0.0000	96.00	No Ice	1.98	1.70	0.08
8' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
8' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	96.00	No Ice	1.90	1.90	0.03
3' x 2" Pipe Mount	C	From Leg	1.00 0.00 0.00	0.0000	96.00	No Ice	0.58	0.58	0.01
Platform Mount [LP 602-1] **	C	None		0.0000	96.00	No Ice	31.07	31.07	1.34
(2) NNH4-65C-R6-V3 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.68	5.17	0.16
(2) NNH4-65C-R6-V3 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.68	5.17	0.16
(2) NNH4-65C-R6-V3 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	9.68	5.17	0.16
AIR 6419 B77D w/ Mount Pipe	A	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.43	1.95	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement		C <sub>AA</sub> Front ft <sup>2</sup>	C <sub>AA</sub> Side ft <sup>2</sup>	Weight K
					ft	ft <sup>2</sup>			
AIR 6419 B77D w/ Mount Pipe	B	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.43	1.95	0.08
AIR 6419 B77D w/ Mount Pipe	C	From Leg	4.00 0.00 -2.00	0.0000	80.00	No Ice	3.43	1.95	0.08
AIR 6419 B77G	A	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
AIR 6419 B77G	B	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
AIR 6419 B77G	C	From Leg	4.00 0.00 2.00	0.0000	80.00	No Ice	4.64	1.87	0.07
4490 B5/B12	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02
4490 B5/B12	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02
4490 B5/B12	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.20	0.85	0.02
4890 B25/B66	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
4890 B25/B66	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
4890 B25/B66	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.70	1.22	0.07
RADIO 4478 B14	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
RADIO 4478 B14	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
RADIO 4478 B14	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.02	1.25	0.06
DC9-48-60-24-PC16-EV	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.26	1.12	0.03
DC9-48-60-24-PC16-EV	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.26	1.12	0.03
(2) 8' x 2" Mount Pipe	A	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
(2) 8' x 2" Mount Pipe	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
(2) 8' x 2" Mount Pipe	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	1.90	1.90	0.03
10'6"x2-3/8" Pipe Mount	A	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.49	2.49	0.04
10'6"x2-3/8" Pipe Mount	B	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.49	2.49	0.04
10'6"x2-3/8" Pipe Mount	C	From Leg	4.00 0.00 0.00	0.0000	80.00	No Ice	2.49	2.49	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement		CAA Front	CAA Side	Weight
12.5' Sector Mount [# MCG23HDXL-12M12126]	A	From Leg	0.00 2.00 0.00 0.00	0.0000	80.00	No Ice	25.38	21.09	0.80
12.5' Sector Mount [# MCG23HDXL-12M12126]	B	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	25.38	21.09	0.80
12.5' Sector Mount [# MCG23HDXL-12M12126]	C	From Leg	2.00 0.00 0.00	0.0000	80.00	No Ice	25.38	21.09	0.80
**									
**									

## Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	Dead+Wind 0 deg - Service
27	Dead+Wind 30 deg - Service
28	Dead+Wind 60 deg - Service
29	Dead+Wind 90 deg - Service
30	Dead+Wind 120 deg - Service
31	Dead+Wind 150 deg - Service
32	Dead+Wind 180 deg - Service
33	Dead+Wind 210 deg - Service
34	Dead+Wind 240 deg - Service
35	Dead+Wind 270 deg - Service
36	Dead+Wind 300 deg - Service
37	Dead+Wind 330 deg - Service

### Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	118 - 77.04	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-11.38	122.90	202.43
			Max. Mx	20	-11.29	261.45	-13.98
			Max. My	14	-11.35	15.59	-245.88
			Max. Vy	20	-9.65	261.45	-13.98
			Max. Vx	14	9.25	15.59	-245.88
			Max. Torque	12			-3.10
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-20.08	317.25	537.39
			Max. Mx	20	-20.01	664.14	-22.38
L2	77.04 - 48.17	Pole	Max. My	14	-20.06	24.08	-637.59
			Max. Vy	20	-14.96	664.14	-22.38
			Max. Vx	14	14.58	24.08	-637.59
			Max. Torque	12			-2.96
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-29.16	725.26	1241.19
			Max. Mx	20	-29.16	1504.89	-37.02
			Max. My	14	-29.16	38.90	-1458.92
			Max. Vy	20	-16.73	1504.89	-37.02
			Max. Vx	14	16.38	38.90	-1458.92
L3	48.17 - 0	Pole	Max. Torque	12			-2.96
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-29.16	725.26	1241.19
			Max. Mx	20	-29.16	1504.89	-37.02
			Max. My	14	-29.16	38.90	-1458.92
			Max. Vy	20	-16.73	1504.89	-37.02
			Max. Vx	14	16.38	38.90	-1458.92
			Max. Torque	12			-2.96

### Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	20	29.18	16.70	-0.26
	Max. H <sub>x</sub>	20	29.18	16.70	-0.26
	Max. H <sub>z</sub>	2	29.18	-0.26	16.35
	Max. M <sub>x</sub>	2	1453.32	-0.26	16.35
	Max. M <sub>z</sub>	8	1495.55	-16.70	0.26
	Max. Torsion	24	2.95	8.12	14.03
	Min. Vert	25	21.89	8.12	14.03
	Min. H <sub>x</sub>	8	29.18	-16.70	0.26
	Min. H <sub>z</sub>	15	21.89	0.26	-16.35
	Min. M <sub>x</sub>	14	-1458.92	0.26	-16.35
	Min. M <sub>z</sub>	20	-1504.89	16.70	-0.26
	Min. Torsion	12	-2.95	-8.12	-14.03

### Tower Mast Reaction Summary

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub> K	Overshielding Moment, M <sub>x</sub> kip-ft	Overshielding Moment, M <sub>z</sub> kip-ft	Torque kip-ft
Dead Only	24.32	-0.00	0.00	2.28	3.81	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	29.18	0.26	-16.35	-1453.32	-29.57	-2.38
0.9 Dead+1.0 Wind 0 deg - No Ice	21.89	0.26	-16.35	-1429.27	-30.14	-2.29
1.2 Dead+1.0 Wind 30 deg - No Ice	29.18	8.57	-14.29	-1275.21	-775.10	-1.21
0.9 Dead+1.0 Wind 30 deg - No Ice	21.89	8.57	-14.29	-1254.13	-762.90	-1.15
1.2 Dead+1.0 Wind 60 deg - No Ice	29.18	14.59	-8.40	-754.78	-1311.61	0.27

Load Combination	Vertical	Shear <sub>x</sub>	Shear <sub>z</sub>	Overshooting Moment, M <sub>x</sub>	Overshooting Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 60 deg - No Ice	21.89	14.59	-8.40	-742.53	-1290.26	0.27
1.2 Dead+1.0 Wind 90 deg - No Ice	29.18	16.70	-0.26	-31.44	-1495.55	1.67
0.9 Dead+1.0 Wind 90 deg - No Ice	21.89	16.70	-0.26	-31.49	-1471.11	1.61
1.2 Dead+1.0 Wind 120 deg - No Ice	29.18	14.33	7.95	701.19	-1277.60	2.65
0.9 Dead+1.0 Wind 120 deg - No Ice	21.89	14.33	7.95	688.64	-1256.95	2.55
1.2 Dead+1.0 Wind 150 deg - No Ice	29.18	8.12	14.03	1246.78	-715.94	2.95
0.9 Dead+1.0 Wind 150 deg - No Ice	21.89	8.12	14.03	1224.86	-704.96	2.83
1.2 Dead+1.0 Wind 180 deg - No Ice	29.18	-0.26	16.35	1458.92	38.89	2.45
0.9 Dead+1.0 Wind 180 deg - No Ice	21.89	-0.26	16.35	1433.32	36.90	2.35
1.2 Dead+1.0 Wind 210 deg - No Ice	29.18	-8.57	14.29	1280.81	784.43	1.28
0.9 Dead+1.0 Wind 210 deg - No Ice	21.89	-8.57	14.29	1258.19	769.66	1.22
1.2 Dead+1.0 Wind 240 deg - No Ice	29.18	-14.59	8.40	760.37	1320.94	-0.27
0.9 Dead+1.0 Wind 240 deg - No Ice	21.89	-14.59	8.40	746.58	1297.03	-0.27
1.2 Dead+1.0 Wind 270 deg - No Ice	29.18	-16.70	0.26	37.01	1504.89	-1.74
0.9 Dead+1.0 Wind 270 deg - No Ice	21.89	-16.70	0.26	35.53	1477.89	-1.68
1.2 Dead+1.0 Wind 300 deg - No Ice	29.18	-14.33	-7.95	-695.62	1286.93	-2.72
0.9 Dead+1.0 Wind 300 deg - No Ice	21.89	-14.33	-7.95	-684.59	1263.72	-2.62
1.2 Dead+1.0 Wind 330 deg - No Ice	29.18	-8.12	-14.03	-1241.20	725.25	-2.95
0.9 Dead+1.0 Wind 330 deg - No Ice	21.89	-8.12	-14.03	-1220.81	711.72	-2.83
Dead+Wind 0 deg - Service	24.32	0.08	-5.33	-467.42	-7.19	-0.77
Dead+Wind 30 deg - Service	24.32	2.79	-4.66	-410.01	-247.70	-0.39
Dead+Wind 60 deg - Service	24.32	4.75	-2.74	-242.11	-420.82	0.09
Dead+Wind 90 deg - Service	24.32	5.44	-0.08	-8.73	-480.14	0.55
Dead+Wind 120 deg - Service	24.32	4.67	2.59	227.61	-409.81	0.86
Dead+Wind 150 deg - Service	24.32	2.65	4.57	403.58	-228.62	0.95
Dead+Wind 180 deg - Service	24.32	-0.08	5.33	472.02	14.85	0.78
Dead+Wind 210 deg - Service	24.32	-2.79	4.66	414.60	255.36	0.40
Dead+Wind 240 deg - Service	24.32	-4.75	2.74	246.70	428.48	-0.09
Dead+Wind 270 deg - Service	24.32	-5.44	0.08	13.31	487.80	-0.55
Dead+Wind 300 deg - Service	24.32	-4.67	-2.59	-223.03	417.47	-0.87
Dead+Wind 330 deg - Service	24.32	-2.65	-4.57	-398.99	236.28	-0.95

## Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-24.32	0.00	0.00	24.32	-0.00	0.000%
2	0.26	-29.18	-16.35	-0.26	29.18	16.35	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
3	0.26	-21.89	-16.35	-0.26	21.89	16.35	0.000%
4	8.57	-29.18	-14.29	-8.57	29.18	14.29	0.000%
5	8.57	-21.89	-14.29	-8.57	21.89	14.29	0.000%
6	14.59	-29.18	-8.40	-14.59	29.18	8.40	0.000%
7	14.59	-21.89	-8.40	-14.59	21.89	8.40	0.000%
8	16.70	-29.18	-0.26	-16.70	29.18	0.26	0.000%
9	16.70	-21.89	-0.26	-16.70	21.89	0.26	0.000%
10	14.33	-29.18	7.95	-14.33	29.18	-7.95	0.000%
11	14.33	-21.89	7.95	-14.33	21.89	-7.95	0.000%
12	8.12	-29.18	14.03	-8.12	29.18	-14.03	0.000%
13	8.12	-21.89	14.03	-8.12	21.89	-14.03	0.000%
14	-0.26	-29.18	16.35	0.26	29.18	-16.35	0.000%
15	-0.26	-21.89	16.35	0.26	21.89	-16.35	0.000%
16	-8.57	-29.18	14.29	8.57	29.18	-14.29	0.000%
17	-8.57	-21.89	14.29	8.57	21.89	-14.29	0.000%
18	-14.59	-29.18	8.40	14.59	29.18	-8.40	0.000%
19	-14.59	-21.89	8.40	14.59	21.89	-8.40	0.000%
20	-16.70	-29.18	0.26	-16.70	29.18	-0.26	0.000%
21	-16.70	-21.89	0.26	-16.70	21.89	-0.26	0.000%
22	-14.33	-29.18	-7.95	14.33	29.18	7.95	0.000%
23	-14.33	-21.89	-7.95	14.33	21.89	7.95	0.000%
24	-8.12	-29.18	-14.03	8.12	29.18	14.03	0.000%
25	-8.12	-21.89	-14.03	8.12	21.89	14.03	0.000%
26	0.08	-24.32	-5.33	-0.08	24.32	5.33	0.000%
27	2.79	-24.32	-4.66	-2.79	24.32	4.66	0.000%
28	4.75	-24.32	-2.74	-4.75	24.32	2.74	0.000%
29	5.44	-24.32	-0.08	-5.44	24.32	0.08	0.000%
30	4.67	-24.32	2.59	-4.67	24.32	-2.59	0.000%
31	2.65	-24.32	4.57	-2.65	24.32	-4.57	0.000%
32	-0.08	-24.32	5.33	0.08	24.32	-5.33	0.000%
33	-2.79	-24.32	4.66	2.79	24.32	-4.66	0.000%
34	-4.75	-24.32	2.74	4.75	24.32	-2.74	0.000%
35	-5.44	-24.32	0.08	5.44	24.32	-0.08	0.000%
36	-4.67	-24.32	-2.59	4.67	24.32	2.59	0.000%
37	-2.65	-24.32	-4.57	2.65	24.32	4.57	0.000%

### Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00001729
2	Yes	5	0.00000001	0.00044383
3	Yes	5	0.00000001	0.00020870
4	Yes	6	0.00000001	0.00036592
5	Yes	6	0.00000001	0.00012512
6	Yes	6	0.00000001	0.00038016
7	Yes	6	0.00000001	0.00012977
8	Yes	5	0.00000001	0.00022165
9	Yes	5	0.00000001	0.00010357
10	Yes	6	0.00000001	0.00037837
11	Yes	6	0.00000001	0.00013187
12	Yes	6	0.00000001	0.00030555
13	Yes	6	0.00000001	0.00010555
14	Yes	6	0.00000001	0.00008455
15	Yes	5	0.00000001	0.00048014
16	Yes	6	0.00000001	0.00040856
17	Yes	6	0.00000001	0.00013876
18	Yes	6	0.00000001	0.00040195
19	Yes	6	0.00000001	0.00013592
20	Yes	5	0.00000001	0.00081966
21	Yes	5	0.00000001	0.00038822
22	Yes	6	0.00000001	0.00031094
23	Yes	6	0.00000001	0.00010669
24	Yes	6	0.00000001	0.00037799
25	Yes	6	0.00000001	0.00013178
26	Yes	4	0.00000001	0.00082343
27	Yes	5	0.00000001	0.00014348
28	Yes	5	0.00000001	0.00015392
29	Yes	4	0.00000001	0.00058736
30	Yes	5	0.00000001	0.00018096
31	Yes	5	0.00000001	0.00011803
32	Yes	5	0.00000001	0.00007744
33	Yes	5	0.00000001	0.00018859
34	Yes	5	0.00000001	0.00017901
35	Yes	4	0.00000001	0.00084714
36	Yes	5	0.00000001	0.00011912
37	Yes	5	0.00000001	0.00018360

### Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	118 - 77.04	27.491	34	2.0480	0.0243
L2	80.96 - 48.17	13.074	34	1.5816	0.0083
L3	52.84 - 0	5.400	34	0.9628	0.0034

### Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
120.00	AIR 32 B2A/B66AA w/ Mount Pipe	34	27.491	2.0480	0.0243	21482
118.00	Lightning Rod 3/4" x 7'	34	27.491	2.0480	0.0243	21482
107.00	APXVBLL20X_43-C-I20 w/ Mount Pipe	34	22.953	1.9393	0.0189	9764
97.00	RHSDC-3315-PF-48	34	18.953	1.8259	0.0142	5114
96.00	NHHSS-65B-R2B w/ Mount Pipe	34	18.564	1.8133	0.0138	4881
80.00	(2) NNH4-65C-R6-V3 w/ Mount Pipe	34	12.752	1.5636	0.0080	2882

### Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	118 - 77.04	84.226	18	6.2113	0.0752
L2	80.96 - 48.17	40.250	18	4.8648	0.0259
L3	52.84 - 0	16.648	18	2.9685	0.0107

### Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
120.00	AIR 32 B2A/B66AA w/ Mount Pipe	18	84.226	6.2113	0.0753	7355
118.00	Lightning Rod 3/4" x 7'	18	84.226	6.2113	0.0753	7355
107.00	APXVBLL20X_43-C-I20 w/ Mount Pipe	18	70.406	5.9093	0.0584	3342
97.00	RHSDC-3315-PF-48	18	58.213	5.5869	0.0441	1748
96.00	NHHSS-65B-R2B w/ Mount Pipe	18	57.026	5.5504	0.0428	1668
80.00	(2) NNH4-65C-R6-V3 w/ Mount Pipe	18	39.262	4.8104	0.0250	979

### Compression Checks

### Pole Design Data

Section No.	Elevation ft	Size	L ft	L <sub>u</sub> ft	KI/r	A in <sup>2</sup>	P <sub>u</sub> K	ϕP <sub>n</sub> K	Ratio P <sub>u</sub> ϕP <sub>n</sub>
L1	118 - 77.04 (1)	TP27.2x18x0.1875	40.96	0.00	0.0	15.551 8	-11.26	909.78	0.012
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	32.79	0.00	0.0	19.021 4	-19.99	1112.75	0.018
L3	48.17 - 0 (3)	TP43.5x31.7745x0.25	52.84	0.00	0.0	34.318 9	-29.16	2007.65	0.015

### Pole Bending Design Data

Section No.	Elevation ft	Size	M <sub>ux</sub> kip-ft	ϕM <sub>nx</sub> kip-ft	Ratio M <sub>ux</sub> ϕM <sub>nx</sub>	M <sub>uy</sub> kip-ft	ϕM <sub>ny</sub> kip-ft	Ratio M <sub>uy</sub> ϕM <sub>ny</sub>
L1	118 - 77.04 (1)	TP27.2x18x0.1875	268.55	552.27	0.486	0.00	552.27	0.000
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	675.65	754.69	0.895	0.00	754.69	0.000
L3	48.17 - 0 (3)	TP43.5x31.7745x0.25	1524.16	1828.22	0.834	0.00	1828.22	0.000

### Pole Shear Design Data

Section No.	Elevation ft	Size	Actual $V_u$ K	$\phi V_n$ K	Ratio $V_u$ / $\phi V_n$	Actual $T_u$ kip-ft	$\phi T_n$ kip-ft	Ratio $T_u$ / $\phi T_n$
L1	118 - 77.04 (1)	TP27.2x18x0.1875	9.81	272.94	0.036	0.27	624.61	0.000
L2	77.04 - 48.17 (2)	TP33.18x25.9445x0.1875	15.12	333.82	0.045	0.27	934.40	0.000
L3	48.17 - 0 (3)	TP43.5x31.7745x0.25	16.87	602.30	0.028	0.27	2281.27	0.000

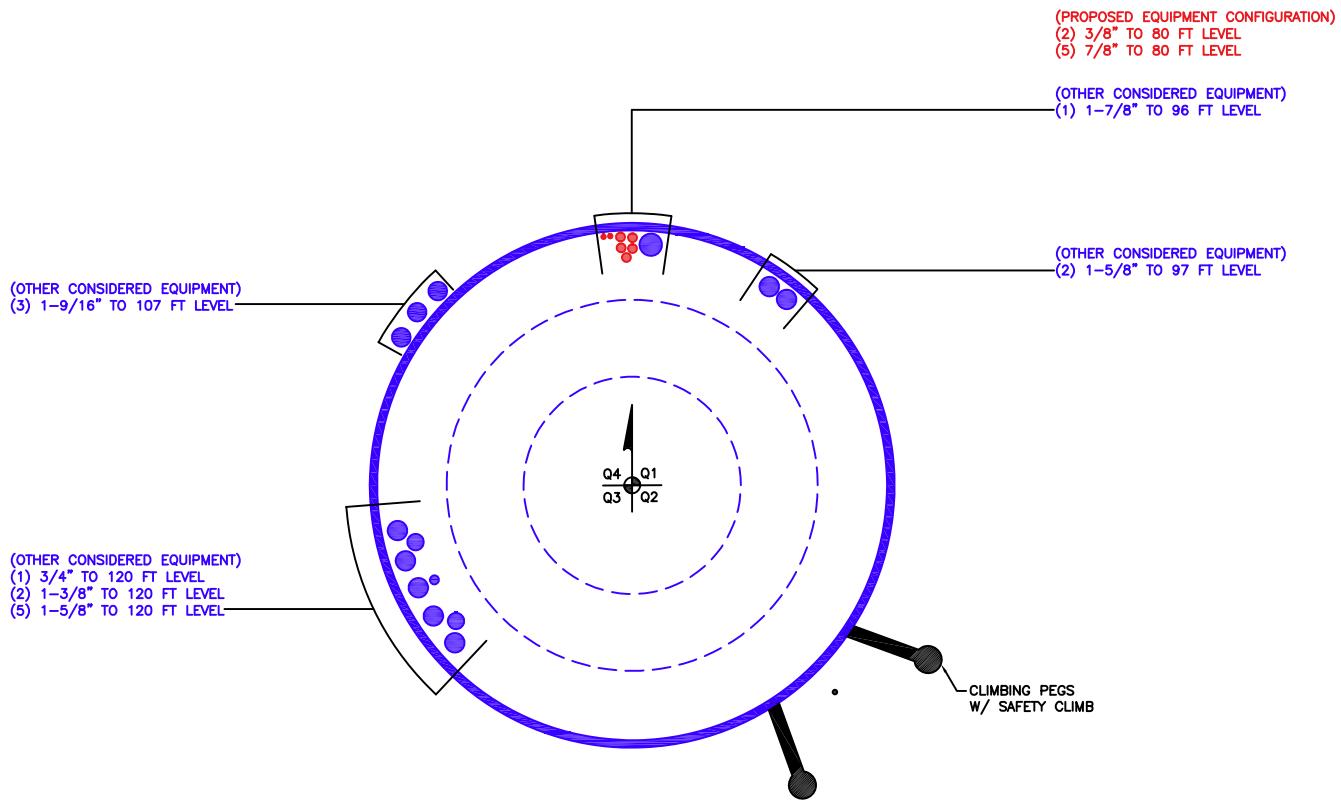
### Pole Interaction Design Data

Section No.	Elevation ft	Ratio $P_u$ / $\phi P_n$	Ratio $M_{ux}$ / $\phi M_{nx}$	Ratio $M_{uy}$ / $\phi M_{ny}$	Ratio $V_u$ / $\phi V_n$	Ratio $T_u$ / $\phi T_n$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	118 - 77.04 (1)	0.012	0.486	0.000	0.036	0.000	0.500	1.050	
L2	77.04 - 48.17 (2)	0.018	0.895	0.000	0.045	0.000	0.915	1.050	
L3	48.17 - 0 (3)	0.015	0.834	0.000	0.028	0.000	0.849	1.050	

### Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$\phi P_{allow}$ K	% Capacity	Pass Fail
L1	118 - 77.04	Pole	TP27.2x18x0.1875	1	-11.26	955.27	47.6	Pass
L2	77.04 - 48.17	Pole	TP33.18x25.9445x0.1875	2	-19.99	1168.39	87.2	Pass
L3	48.17 - 0	Pole	TP43.5x31.7745x0.25	3	-29.16	2108.03	80.9	Pass
						Summary		
						Pole (L2)	87.2	Pass
						RATING =	87.2	Pass

**APPENDIX B**  
**BASE LEVEL DRAWING**



**APPENDIX C**  
**ADDITIONAL CALCULATIONS**

## Monopole Base Plate Connection

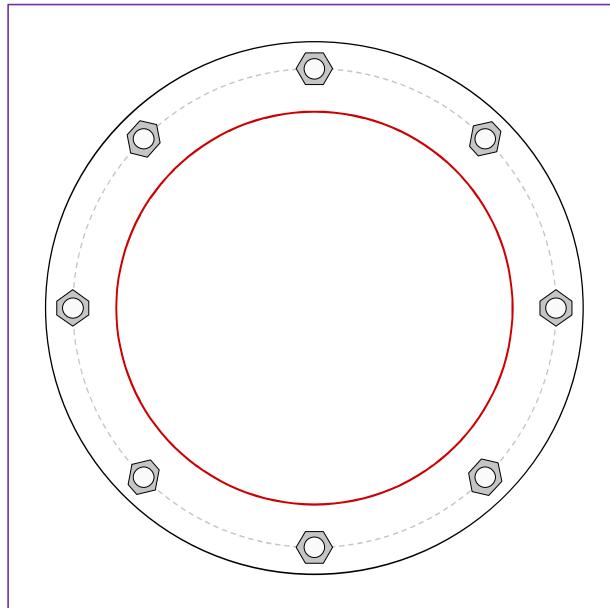


Site Info	
BU #	824322
Site Name	GrdnCity_Roe
Order #	665802 Rev. 2

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
$l_{ar}$ (in)	0

Applied Loads	
Moment (kip-ft)	1524.15
Axial Force (kips)	29.16
Shear Force (kips)	16.87

\*TIA-222-H Section 15.5 Applied



### Connection Properties

#### Anchor Rod Data

(8) 2-1/4"  $\phi$  bolts (A615-75 N;  $F_y=75$  ksi,  $F_u=100$  ksi) on 53" BC

#### Base Plate Data

59" OD x 1.75" Plate (A572-60;  $F_y=60$  ksi,  $F_u=75$  ksi)

#### Stiffener Data

N/A

#### Pole Data

43.5" x 0.25" 18-sided pole (A572-65;  $F_y=65$  ksi,  $F_u=80$  ksi)

### Analysis Results

#### Anchor Rod Summary

(units of kips, kip-in)		
$P_{u\_t} = 168.77$	$\phi P_{n\_t} = 243.75$	<b>Stress Rating</b>
$V_u = 2.11$	$\phi V_n = 149.1$	<b>65.9%</b>
$M_u = n/a$	$\phi M_n = n/a$	<b>Pass</b>

#### Base Plate Summary

Max Stress (ksi):	38.42	(Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	<b>67.8%</b>	<b>Pass</b>

## Drilled Pier Foundation

BU # :	824322
Site Name:	GrdnCity_Roe
Order Number:	665802 Rev. 2
TIA-222 Revision:	H
Tower Type:	Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	1524.15	
Axial Force (kips)	29.18	
Shear Force (kips)	16.84	

Material Properties	
Concrete Strength, f <sub>c</sub> :	4 ksi
Rebar Strength, f <sub>y</sub> :	60 ksi
Tie Yield Strength, f <sub>yt</sub> :	60 ksi

Pier Design Data	
Depth	23 ft
Ext. Above Grade	1 ft
Pier Section 1	
From 1' above grade to 23' below grade	
Pier Diameter	6.5 ft
Rebar Quantity	30
Rebar Size	8
Clear Cover to Ties	4 in
Tie Size	5
Tie Spacing	in

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D <sub>v=0</sub> (ft from TOC)	5.93	-
Soil Safety Factor	3.90	-
Max Moment (kip-ft)	1608.53	-
Rating*	32.5%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	200.78	-
End Bearing (kips)	231.45	-
Weight of Concrete (kips)	93.65	-
Total Capacity (kips)	432.24	-
Axial (kips)	122.83	-
Rating*	27.1%	-
Reinforced Concrete Flexure		
	Compression	Uplift
Critical Depth (ft from TOC)	5.81	-
Critical Moment (kip-ft)	1608.46	-
Critical Moment Capacity	3636.79	-
Rating*	42.1%	-
Reinforced Concrete Shear		
	Compression	Uplift
Critical Depth (ft from TOC)	17.83	-
Critical Shear (kip)	189.10	-
Critical Shear Capacity	569.97	-
Rating*	31.6%	-
Structural Foundation Rating*	42.1%	
Soil Interaction Rating*	32.5%	

\*Rating per TIA-222-H Section 15.5

Soil Profile									
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ <sub>soil</sub> (pcf)	γ <sub>concrete</sub> (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)
1	0	3	3	120	150	0	0	0.000	0.000
2	3	5	2	57.6	87.6	0	38	0.000	0.000
3	5	10	5	57.6	87.6	0	40	0.000	0.000
4	10	15	5	57.6	87.6	0	31	0.000	0.000
5	15	23	8	57.6	87.6	0	40	0.000	0.000



Check Limitation	
Apply TIA-222-H Section 15.5:	<input checked="" type="checkbox"/>
N/A:	<input type="checkbox"/>
Design Options	
Input Effective Depths (else Actual):	<input type="checkbox"/>
Consider non-tapered moment capacity:	<input type="checkbox"/>
Check Shear along Depth of Pier:	<input checked="" type="checkbox"/>
Utilize Shear-Friction Methodology:	<input type="checkbox"/>
Override Critical Depth:	<input type="checkbox"/>

[Go to Soil Calculations](#)

# ASCE Hazards Report

**Address:**

### No Address at This Location

**Standard:** ASCE/SEI 7-16

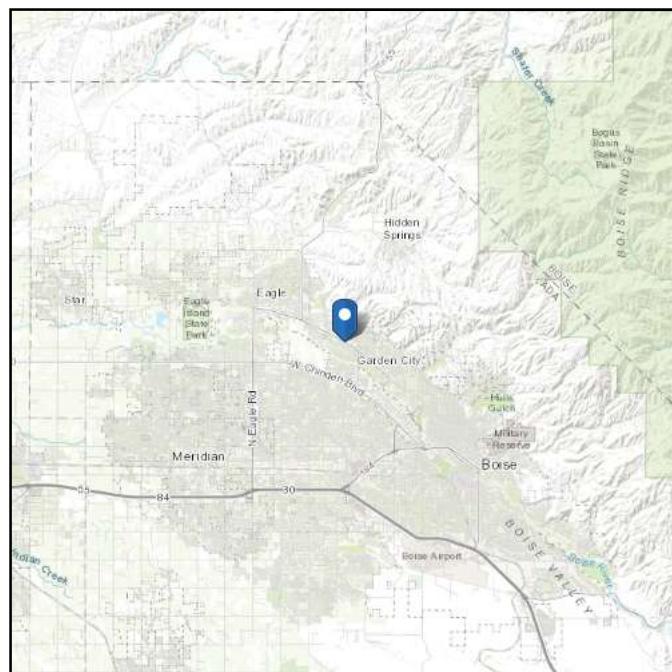
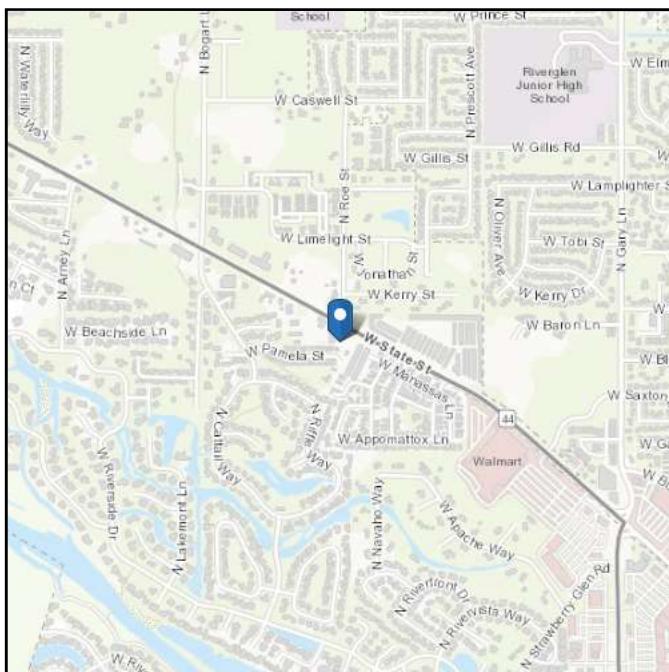
## Risk Category: II

**Soil Class:** D - Default (see Section 11.4.3)

**Latitude:** 43.672953

**Longitude:** -116.289242

**Elevation:** 2605.1169200304057 ft  
(NAVD 88)



## Wind

## Results:

Wind Speed	102 Vmph
10-year MRI	71 Vmph
25-year MRI	77 Vmph
50-year MRI	82 Vmph
100-year MRI	87 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1-CC.2-4, and Section 26.5.2

Date Accessed: Tue Jun 11 2024

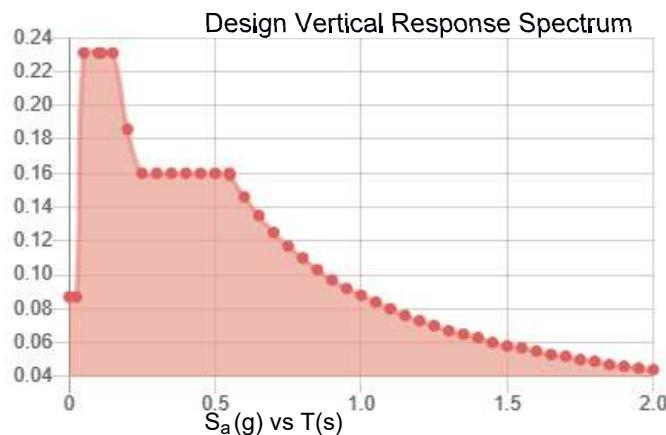
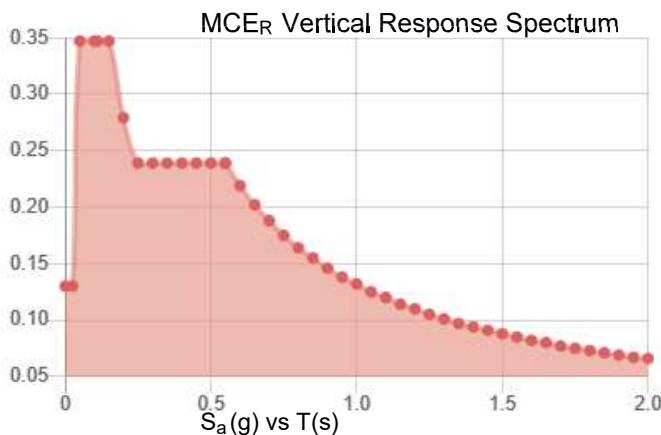
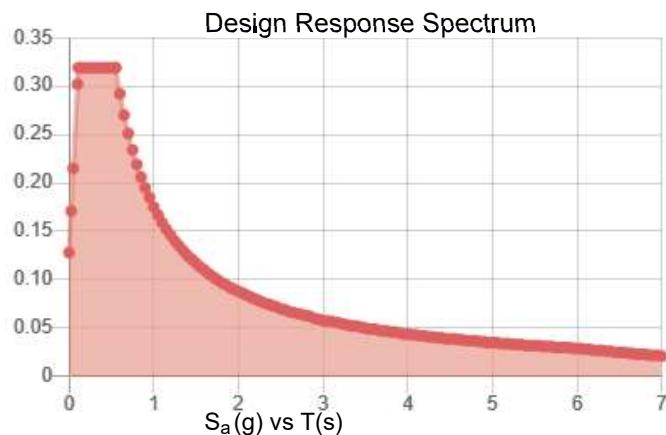
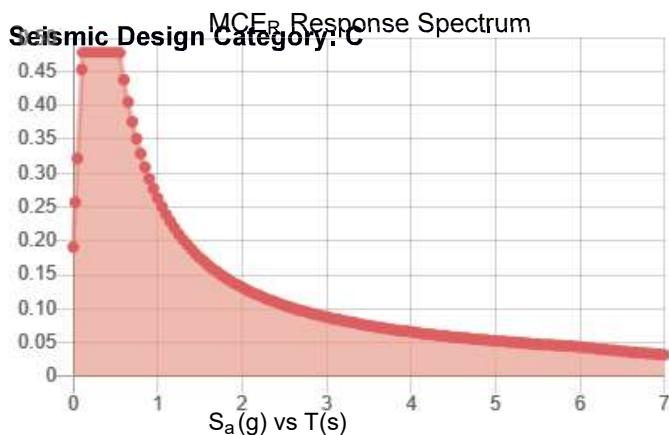
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

**Site Soil Class:** D - Default (see Section 11.4.3)

**Results:**

$S_s$ :	0.308	$S_{D1}$ :	0.175
$S_1$ :	0.111	$T_L$ :	6
$F_a$ :	1.553	$PGA$ :	0.136
$F_v$ :	2.379	$PGA_M$ :	0.208
$S_{MS}$ :	0.479	$F_{PGA}$ :	1.527
$S_{M1}$ :	0.263	$I_e$ :	1
$S_{DS}$ :	0.319	$C_v$ :	0.905



**Data Accessed:** Tue Jun 11 2024

**Date Source:**

**USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.**

**Results:**

Ice Thickness: 0.50 in.

Concurrent Temperature: 15 F

Gust Speed 40 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Tue Jun 11 2024

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE Hazard Tool.



5620EID TT

**WARRANTY DEED**

**FOR VALUE RECEIVED**

Blynn Properties, L.L.C., a Limited Liability Company as to Parcel 1 and Blynn Properties, LLC, an Idaho Limited Liability Company as to Parcel 2 GRANTOR(s) does(do) hereby GRANT, BARGAIN, SELL and CONVEY unto:

DBII LLC , an Idaho limited liability company  
GRANTEE(s), whose current address is: 9884 Stony Brook Way, Middleton, ID 83644 the following described real property in Ada County, State of ID more particularly described as follows, to wit:

**SEE ATTACHED EXHIBIT A**

TO HAVE AND TO HOLD the said premises, with their appurtenances unto said Grantee(s), and Grantee(s) heirs and assigns forever. And Grantor(s) does(do) hereby covenant to and with said Grantee(s) that Grantor(s) is/are the owner(s) in fee simple of said premises, that said premises are free from all encumbrances, EXCEPT those to which this conveyance is expressly made subject and those made, suffered or done by the Grantee(s); and subject to reservations, restrictions, dedications, easements, rights of way and agreements, if any, of record, and general taxes and assessments, (including irrigation and utility assessments, if any) for the current year which are not yet due and payable and the Grantor(s) will warrant and defend the same from all lawful claims whatsoever.

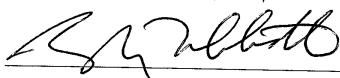
Dated this 10th day of June, 2020  
Blynn Properties, LLC an Idaho limited liability company as to Parcel 2 and Blynn Properties, L.L.C, an Idaho limited liability company as to Parcel 1

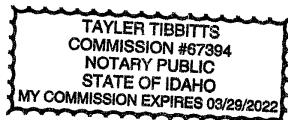
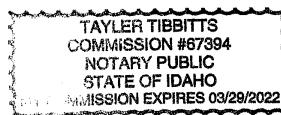
by:

Robert A Miller, Jr., Member

State of Idaho  
County Ada

On this 10<sup>th</sup> day of June, in the year of 2020, before me the undersigned Notary Public in and for said State, personally appeared Robert A. Miller Jr., known or identified to me to be the member, of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

  
Notary Public for IDAtto  
Residing at: Kuna, ID  
My Commission Expires: 3/29/22



## EXHIBIT A

### Parcel I:

Commencing at the quarter section common to Section 23 and 24, Township 4 North, Range 1 East, Boise Meridian, Ada County, Idaho, thence  
South 89 degrees 37' East 1451.10 feet to an iron pin, thence  
North 83 degrees 21' West 299.67 feet to an iron pin, thence  
North 21 degrees 23'30" East 475.89 feet to an iron pin, thence  
North 62 degrees 00' West 127.49 feet to a point, thence  
North 26 degrees 22' East 286.30 feet to an iron pin, the REAL POINT OF BEGINNING, thence  
North 26 degrees 22' East 326.11 feet to a point on the Southerly boundary of the real right of way of Highway No. 44 thence  
North 61 degrees 50' West 159.98 feet along said right of way to an iron pin, thence  
South 0 degrees 35'30" West 367.72 feet to the REAL POINT OF BEGINNING.  
Except that portion conveyed to Ada County Highway District by Instrument No. 95052011, records of Ada County.

### Parcel II:

Lot 11 in Block 2 of Azalea Subdivision, according to the plat thereof file in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by Warranty Deed recorded December 27, 1996 under Instrument No. 96106001.

**ASSIGNMENT AND ASSUMPTION OF EASEMENT AGREEMENT**  
**DATED OCTOBER 3, 2019**

**Prepared by:**

Robert W. Mouton, Esq.  
Locke Lord LLP  
601 Poydras Street, Suite 2660  
New Orleans, LA 70130

**Return to:**

Tara Groda  
Crown Castle Post-Closing Department  
1220 Augusta Drive, Suite 600, Houston, TX 77057

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**ASSIGNMENT AND ASSUMPTION OF EASEMENT AGREEMENT**

This Assignment and Assumption of Easement Agreement (this "**Assignment**") is made and entered into as of the 3 day of October, 2019, but effective as of the 31st day of October, 2019 (the "**Effective Date**") by and between **Ulysses Asset Sub II, LLC**, a Delaware limited liability company, f/k/a **T6 Unison Site Management LLC**, a Delaware limited liability company (the "**Assignor**"), and **Global Signal Acquisitions IV LLC**, a Delaware limited liability company (the "**Assignee**"). Assignor and Assignee are sometimes referred to herein individually as a "**Party**" and collectively referred to herein as the "**Parties**".

WHEREAS, Assignor and Assignee are parties to that certain Site Exchange Agreement dated November 7, 2016, as amended by that certain Amended and Restated Site Exchange Agreement dated as of March 6, 2017 (as the same may have been further amended from time to time, collectively, the "**Exchange Agreement**"), pursuant to, and upon the terms of which, Assignor and Assignee have agreed to assign, transfer and convey all of their respective right, title and interest in and to certain assets, including, without limitation, real property interests, to each other, and to transfer certain obligations related thereto, all as more particularly described in the Exchange Agreement; and

WHEREAS, Assignor is the grantee pursuant to that certain easement agreement described on **Exhibit A** attached hereto and by this reference incorporated herein (as the same may have been

amended, modified or assigned from time to time, collectively, the "**Easement Agreement**", and together with any hereinbelow described Net Profits Agreement, Letter Agreement and Ground Lease, as applicable, the "**Easement Documents**"), pursuant to which the grantor specified in **Exhibit A** (hereinafter, the "**Grantor**") granted and conveyed to Assignor an easement in, to, under and over a certain portion of real property owned by the Grantor (the real property owned by the Grantor, hereinafter, the "**Property**", which Property is more particularly described in **Exhibit A-1** attached hereto and by this reference incorporated herein; and such portion of the Property subject to the Easement Agreement, hereinafter, the "**Easement Area**", which Easement Area is more particularly described in **Exhibit B** attached hereto and by this reference incorporated herein); and

WHEREAS, Assignor is also the current landlord under that certain lease agreement described on **Exhibit C** attached hereto and by this reference incorporated herein (as the same may have been amended, modified or assigned from time to time, collectively, the "**Ground Lease**"), and which Ground Lease demises a portion of the Property; and

WHEREAS, Assignor is also party to that certain Net Profits Agreement dated August 19, 2010 by and between Assignor and the Grantor (as the same may have been amended, modified or assigned from time to time, collectively the "**Net Profits Agreement**");

WHEREAS, the Parties hereby desire to effect such assignments, transfers and assumptions;

NOW, THEREFORE, in consideration of the representations, warranties, covenants and agreements contained in the Exchange Agreement, the Parties hereto hereby agree as follows:

1. **Capitalized Terms.** Capitalized terms used but not defined herein shall have the meaning given to such terms in the Exchange Agreement.
2. **Assignment and Transfer of Easement Documents.** As of the Effective Date, Assignor hereby assigns and transfers unto Assignee, and Assignee hereby accepts from the Assignor, all of the right, title and interest of Assignor in, to and under the Easement Documents, upon the terms and subject to the conditions of the Exchange Agreement and the Easement Documents, respectively. Notwithstanding anything in this Assignment to the contrary, but without limiting any of the Parties' duties and obligations arising under this Assignment, this Assignment shall not constitute an assignment or transfer hereby of any right, title and interest of Assignor in, to and under an Easement Document if an attempted assignment or transfer, without the authorization of a third party thereto, would constitute a breach or violation of such Easement Document, or in any way adversely affect the rights of Assignee thereunder, but only to the extent such authorization has not been obtained. If any authorization described in the preceding sentence is not obtained, or if any attempt at an assignment, transfer or other conveyance thereof would be ineffective or would affect the rights of the Assignor thereunder so that, after the applicable Closing Date, the Assignee would not in fact receive all such rights or obtain the benefits and rights contemplated by this Assignment and the Exchange Agreement, then the

Assignee may elect to pursue certain options, as more particularly described in Section 2(c) of the Exchange Agreement.

3. **Assumption of Easement Documents.** As of the Effective Date, Assignor hereby assigns and transfers to Assignee, and Assignee assumes and agrees to keep, observe and perform all of the terms, covenants, agreements, conditions and obligations (other than Pre-Closing Liabilities), pursuant to the Easement Documents. The Assignee assumes and agrees to keep, observe and perform those terms, covenants, agreements, conditions and obligations (other than Pre-Closing Liabilities), with the same force and effect as if the Assignee instead of Assignor (or any predecessor of the Assignor) had originally signed the Easement Documents.
4. **Terms of Exchange Agreement Control.** The provisions of this Assignment are subject, in all respects, to the terms and conditions of the Exchange Agreement, including, without limitation, all of the covenants, agreements, representations, and warranties contained therein, which shall survive the execution and delivery of this Assignment to the extent provided in the Exchange Agreement. Neither the making nor the acceptance of this Assignment shall in any way supersede, modify, replace, amend, change, rescind, waive, exceed, expand, enlarge, or in any way affect the terms and conditions of the Exchange Agreement. In the event of any conflict or inconsistency between the terms and conditions of this Assignment and the terms and conditions of the Exchange Agreement, the terms and conditions of the Exchange Agreement shall control.
5. **Amendments.** This Assignment may not be amended, modified or terminated except by an instrument in writing executed by the parties to this Assignment.
6. **Interpretation and Construction.** This Assignment shall be subject to the provisions set forth in Sections 30(g) and 30(h) of the Exchange Agreement, except to the extent that any contrary or different terms are set forth herein.
7. **Successors and Assigns.** This Assignment shall inure to the benefit of and be binding upon Assignor, Assignee, and their respective successors and assigns. Except as permitted under Section 30(d) of the Exchange Agreement, no Party may transfer or assign this Assignment or any of its rights hereunder, without the prior written consent of the other Party. Notwithstanding the foregoing, a Party may assign this Assignment to an Affiliate or to a party acquiring such Party or all or substantially all of the assets of such Party, provided, however, that the terms of any such acquisition may not impair, in any substantive way, either Party's ability to perform this Assignment.

8. **Notice.** All notices must be in writing and shall be valid upon receipt when delivered by hand, by nationally recognized courier service, or by First Class United States Mail, certified, return receipt requested to the addresses set forth below:

<u>To Assignor:</u>	American Towers LLC Attn: Landlord Relations 10 Presidential Way Woburn, MA 01801	<u>To Assignee:</u>	Crown Castle USA Inc c/o Crown Castle International Corp. Attn: Senior Vice President, Corporate Development 1220 Augusta Drive, Suite 600 Houston, TX 77057
<u>With copy to:</u>	American Towers LLC Attn: General Counsel 116 Huntington Avenue 11th Floor Boston, MA 02116	<u>With copy to:</u>	Crown Castle USA Inc c/o Crown Castle International Corp. Attn: Senior Vice President and General Counsel 1220 Augusta Drive, Suite 600 Houston, TX 77057

American Towers LLC  
Attn: Shawn Lanier, VP Legal  
10 Presidential Way  
Woburn, MA 01801

Either Party, by written notice to the other in the manner provided herein, may designate one or more different notice addresses from those set forth above. Refusal to accept delivery of any notice or the inability to deliver any notice because of a changed address for which no notice was given as required herein, shall be deemed to be receipt of any such notice.

9. **Governing Law.** Notwithstanding anything to the contrary contained in this Assignment, this Assignment shall be governed and construed in all respects in accordance with the laws of the State of New York (except to the extent the laws of the State or Commonwealth in which the Property is situated are mandatorily applicable, in which case the laws of such State or Commonwealth shall govern to the extent required), without regard to the conflicts of laws provisions of New York, or, as applicable, such State or Commonwealth. Any dispute directly related to the breach of this Assignment shall be resolved in accordance with Section 30(e) of the Exchange Agreement.
10. **Counterpart Signatures.** This Assignment may be executed in several counterparts, each of which when so executed and delivered shall be deemed an original, and all of which, when taken together, shall constitute one and the same instrument, binding on all of the Parties, even

though all Parties are not signatories to the original or the same counterpart. Furthermore, the Parties may execute and deliver this Assignment by electronic means such as .pdf or similar format. Each of the Parties agrees that the delivery of the Assignment by electronic means will have the same force and effect as delivery of original signatures and that each of the Parties may use such electronic signatures as evidence of the execution and delivery of the Assignment by all Parties to the same extent as an original signature.

**11. No Merger.** It is the intent of the Assignee that the landlord interest in the Ground Lease shall not merge with the tenant interest in the Ground Lease, notwithstanding that both leasehold interests may be held at any time by the same party.

*END OF DOCUMENT – SIGNATURE PAGES TO FOLLOW*

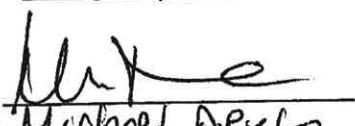
IN WITNESS WHEREOF, each Party has caused this Assignment to be executed by their respective duly authorized officers to be duly effective as of the Effective Date written above.

**ASSIGNOR:**

Ulysses Asset Sub II, LLC  
a Delaware limited liability company

Signature:   
Print Name: Shawn Lanier  
Title: Vice President, US Legal

**WITNESSES:**

Signature:   
Print Name: Kevin P. McMahon  
Signature:   
Print Name: Michael DiPietro

**WITNESS AND ACKNOWLEDGEMENT**

**COMMONWEALTH OF MASSACHUSETTS**

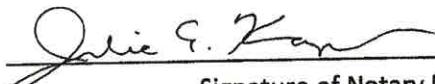
**COUNTY OF MIDDLESEX**

On this 29<sup>th</sup> day of October, 2019, before me, Julie E. Kaplan the undersigned Notary Public, personally appeared Shawn Lanier, Vice President – US Legal, proved to me through satisfactory evidence of identity, which was/were personally known, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she/they signed it voluntarily for its stated purpose(.)

X as Vice-President, US Legal for Ulysses Asset Sub II, LLC, a Delaware limited liability company



JULIE E. KAPLAN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 12, 2020

  
Signature of Notary Public

Printed name of Notary

Place Notary Seal and/or Stamp Above

My Commission Expires \_\_\_\_\_

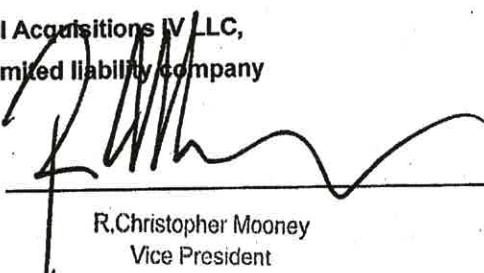
**SIGNATURES CONTINUE ON NEXT PAGE**



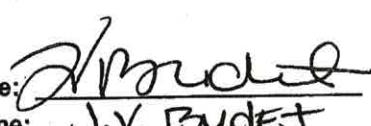
JULIE E. KAPLAN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 12, 2020

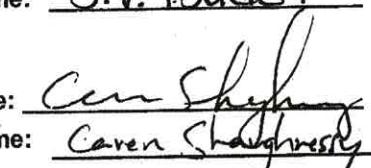
ASSIGNEE:

Global Signal Acquisitions IV LLC,  
a Delaware limited liability company

Signature:   
Print Name: R. Christopher Mooney  
Title: Vice President

WITNESSES:

Signature:   
Print Name: J.V. Budget

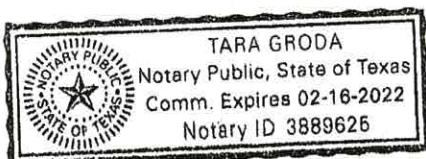
Signature:   
Print Name: Caren Shaughnessy

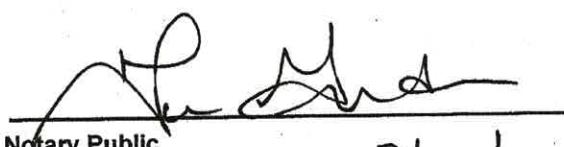
WITNESS AND ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY OF HARRIS

This instrument was acknowledged before me on October 3 2019, by R. Christopher Mooney,  
the VP of Global Signal Acquisitions IV LLC, a Delaware  
limited liability company, on behalf of said company.



  
Notary Public  
My commission expires: 2/14/2022

SEAL

Attachments:

- Exhibit A: Easement Agreement
- Exhibit A-1: Property
- Exhibit B: Easement Area
- Exhibit C: Ground Lease

EXHIBIT A

**EASEMENT AGREEMENT**

That certain Wireless Communication Easement and Assignment Agreement dated as of August 18, 2010, by and between Blynn Properties, L.L.C. a/k/a LLC ("Site Owner") and Treasure Valley Collision Center L.L.C. ("Joiner Party") ("Grantor"), as original easement grantor, and T6 Unison Site Management LLC, a Delaware limited liability company ("T6"), as original easement grantee, recorded on September 16, 2010, with the records of Ada County, Idaho, as Document No. 110086348, as amended by that certain First Amendment to Wireless Communication Easement and Assignment dated as of March 16, 2016, by and between the aforesaid Grantor and Ulysses Asset Sub II, LLC, a Delaware limited liability company, as grantee, and recorded on April 19, 2016, with the records of Ada County, Idaho, as Document No. 2016-032648.

EXHIBIT A-1

**LEGAL DESCRIPTION OF PROPERTY**

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

EXHIBIT B

**LEGAL DESCRIPTION OF EASEMENT AREA**

**Communication Easement**

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

COMMENCING AT THE NORTHEASTERLY CORNER OF THE PROPERTY AT THE SOUTHERLY LINE OF W. STATE STREET; THENCE SOUTH, ALONG THE EAST LINE OF SAID PROPERTY, 155.00 FEET TO T A POINT; THENCE WEST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 10.00 FEET TO THE SOUTHEASTERLY CORNER OF THE HEREIN DESCRIBED COMMUNICATION EASEMENT AND POINT OF BEGINNING; THENCE CONTINUE WEST, 60.00 FEET; THENCE NORTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE EAST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE SOUTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET TO THE POINT OF BEGINNING; AND

AN ADDITIONAL 20.00 FEET BY 20.00 FEET ADJOINING THE WESTERLY LINE OF THE ABOVE DESCRIBED PREMISES.

Commencing at the southeast corner of said Lot 11; Thence along the south line of said Lot, N89°02'23"W, 11.14 feet; Thence N00°57'37"E, 7.10 feet; Thence N85°45'42"W, 27.30 feet; Thence N04°14'18"E, 11.80 feet; Thence N00°00'00"E, 4.56 feet (L8) to the Point of Beginning; Thence continuing N00°00'00"E, 5.85 feet (L9); Thence S88°51'23"E, 26.00 feet; Thence S01°08'37"W, 5.77 feet (L10); Thence N89°02'23"W, 25.88 to the Point of Beginning.

**ACCESS AND UTILITY EASEMENTS**

That portion of the Property on which any Facilities exist on the date of this Agreement or provided by Site Owner under the Existing Agreements for access and utility providers, including the following:

All rights of ingress and egress across the Property, more fully described on Exhibit "A" hereof, to and from the Communication Easement described in Exhibit B-1 hereof, providing access to a publicly dedicated roadway, including but not limited to W. State Street (hereinafter the "Access Easement"), along with the right to use said Access Easement for the development, repair, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, as defined herein, and any related activities and uses.

**EXHIBIT C**

**GROUND LEASE**

1. That certain Site Lease with Option by and between Steven G. Gregory, as landlord, and VoiceStream PCS II Corporation, a Delaware corporation, as tenant, dated November 19, 2003, a memorandum of which was recorded on July 22, 2005 with the records of Ada County, Idaho as Document No. 105099836, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by that certain Assignment of Lease dated October 3, 2005 and recorded on October 5, 2005, with the records of Ada County, Idaho, as Document No. 105148893, as affected by that certain Master Prepaid Lease and Management Agreement dated November 30, 2012, in favor of CCTMO LLC, a memorandum of which was recorded on June 21, 2016, with the records of Ada County, Idaho, as Document No. 2016-054363.
2. That certain unrecorded Communication Site Lease Agreement (Ground Space) by and between Steven G. Gregory, an unmarried person, as landlord, and Clearwire LLC, a Nevada limited liability company, as tenant, dated as of September 15, 2005, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by that certain Assignment of Lease recorded on October 5, 2005, with the records of Ada County, Idaho, as Document No. 105148893.

**FIRST AMENDMENT TO WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**  
**DATED MARCH 16, 2016**

**Prepared by and Return to:**

Ulysses Asset Sub II, LLC  
c/o American Tower Corporation  
Attn: Land Management/Michael Abodeely, Esq.  
10 Presidential Way  
Woburn, MA 01801  
Site No: 276123 / ID-9501  
Site Name: Blynn Properties G ID  
Assessor's Parcel No(s): R0719420250

**Prior Recorded Easement Reference:**

Document No: 110086348  
State of Idaho  
County of Ada

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**First Amendment to  
Wireless Communication Easement and Assignment Agreement**

THIS FIRST AMENDMENT TO WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT (the "*First Amendment*") is made effective as of the latter signature date hereof (the "*Effective Date*") by and between Ulysses Asset Sub II, LLC, a Delaware limited liability company, formerly known as T6 Unison Site Management, LLC (having a mailing address of c/o American Tower Corporation, 10 Presidential Way, Woburn, MA 01801) ("*Ulysses*"), Blynn Properties, LLC, an Idaho limited liability company (having a mailing address of 8247 W. State Street, Garden City, Idaho 83714) ("*Site Owner*"), and Treasure Valley Collision Center, L.L.C., an Idaho limited liability company (having a mailing address of 8247 W. State Street, Garden City, Idaho 83714) ("*Joinder Party*"). Site Owner, Joinder Party and Ulysses being collectively referred to herein as the "*Parties*" and individually as a "*Party*".

WHEREAS, Site Owner is the fee simple owner of real property located in Ada County, State of Idaho, having an address of 8247 W. State Street, Garden City, Idaho 83714, and as more particularly described on Exhibit A attached hereto (the "*Property*");

WHEREAS, Site Owner, Joinder Party and Ulysses entered into that certain Wireless Communication Easement and Assignment Agreement dated August 18, 2010 and recorded in Ada County, Idaho, Instrument No. 110086348 (the "*Agreement*"), whereby Site Owner and Joinder Party granted Ulysses and its Customers (as defined in the Agreement) certain Easements (as defined in the Agreement) over the Property (such Easements, collectively, the

“Site”) and assigned Site Owner’s and Joinder Party’s interests in certain Existing Agreements (as defined in the Agreement) to Ulysses; and

**WHEREAS**, Ulysses, Site Owner and Joinder Party desire to enter into this Amendment to expand the Communication Easement (as defined in the Agreement) granted to Ulysses and to secure the rights necessary for Ulysses and its Customers to operate the Site.

**NOW, THEREFORE**, in consideration of the foregoing recitals and the mutual covenants set forth herein and other good and valuable consideration, the receipt, adequacy, and sufficiency of which are hereby acknowledged, Site Owner, Joinder Party and Ulysses agree that the Agreement is hereby amended as follows:

1. **Recitals and Definitions**. Capitalized terms used and not otherwise defined herein shall have the same meaning as used in the Agreement. The recitals set forth above are hereby incorporated herein by this reference.

2. **Expansion of Communication Easement**.

- a. Site Owner and Ulysses desire to amend the Agreement in order to expand the Communication Easement granted to Ulysses. Site Owner and Ulysses agree and acknowledge that Exhibit B-1 to the Agreement is hereby deleted in its entirety as of the Effective Date of this Amendment and shall be replaced with Exhibit BB-1 attached hereto and incorporated herein by reference. In the event of inconsistency or discrepancy between Exhibit BB-1 attached hereto and Exhibit B-1 to the Agreement, Exhibit BB-1 shall control.
- b. Site Owner hereby grants to Ulysses and its Customers the right and privilege to enter upon the Property and/or Easements at any time to perform or cause to be performed test borings of the soil, environmental audits, sampling, tests, engineering studies and to conduct a survey of the Property and/or the Easements. Site Owner shall not unreasonably interfere with Ulysses’ and/or its Customers’ use of the Property in conducting these activities. Site Owner will provide Ulysses with any necessary keys or access codes to the Site if needed for ingress and egress.

3. **Rights**. Site Owner expressly confirms, ratifies, acknowledges and affirms the rights granted to Ulysses and its Customers pursuant to the Agreement to construct, maintain, repair, replace, improve, operate, and remove Facilities (as defined in the Agreement) and, notwithstanding any terms of the Agreement to the contrary, to conduct any related activities and uses to comply with the Existing Agreements, without notice to or consent of Site Owner.

4. **Additional Customers**. Site Owner and Ulysses agree to amend the right of first refusal granted by Site Owner to Ulysses. Therefore, Site Owner and Ulysses agree that the following sentence shall be included in Section 13 of the Agreement as the eighth (8<sup>th</sup>) sentence:

"Unison shall give Site Owner notice of its intent to acquire same within thirty (30) days of receipt of Site Owner's notice."

5. **Attorney-in-fact.** Site Owner hereby confirms, ratifies, acknowledges and affirms that pursuant to the Agreement, it irrevocably appointed Ulysses as its true and lawful attorney-in-fact, with full power of substitution and re-substitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Ulysses and as necessary to comply with applicable laws, statutes or regulations as set forth in Section 5 of the Agreement.

6. **Site Owner Statements.** Site Owner hereby represents and warrants to Ulysses that: (i) to the extent applicable, Site Owner is duly organized, validly existing, and in good standing in the jurisdiction in which Site Owner was organized, formed, or incorporated, as applicable, and is otherwise in good standing and authorized to transact business in each other jurisdiction in which such qualifications are required; (ii) Site Owner has the full power and authority to enter into and perform its obligations under this Amendment, and, to the extent applicable, the person(s) executing this Amendment on behalf of Site Owner, have the authority to enter into and deliver this Amendment on behalf of Site Owner; (iii) no consent, authorization, order, or approval of, or filing or registration with, any governmental authority or other person or entity is required for the execution and delivery by Site Owner of this Amendment; (iv) Site Owner is the sole owner of the Property; and (v) there are no agreements, liens, encumbrances, claims, claims of lien, proceedings, or other matters (whether filed or recorded in the applicable public records or not) relating to, encumbering, asserted against, threatened against, and/or pending with respect to the Easements or any other portion of the Property which do or could (now or any time in the future) adversely impact, limit, and/or impair Ulysses' rights under the Agreement, as amended and modified by this Amendment. Site Owner hereby does and agrees to indemnify Ulysses for any damages, losses, costs, fees, expenses, or charges of any kind sustained or incurred by Ulysses as a result of the breach of the representations and warranties made herein or if any of the representations and warranties made herein prove to be untrue. The representations and warranties of Site Owner made in this Section shall survive the execution and delivery of this Amendment.

7. **Notice.** Notwithstanding anything to the contrary contained in the Agreement, the address of Ulysses for all purposes as set forth in Section 17 of the Agreement shall be as set forth below:

Ulysses:	Ulysses Asset Sub II, LLC c/o American Tower Corporation 10 Presidential Way Woburn, MA 01801 Attn: Land Management
----------	---

With a copy to: American Towers LLC  
c/o American Tower Corporation  
116 Huntington Avenue  
Boston, MA 02116  
Attn: Legal Department

Site Owner: Blynn Properties, LLC  
8247 W. State Street  
Garden City, ID 83714

Either party may change its notice address by designating one or more different notice addresses from those set forth above, with such change being effective thirty (30) days after receipt of notice thereof. Refusal to accept delivery of any notice or the inability to deliver any notice because of a changed address for which no notice was given as required herein, shall be deemed to be receipt of any such notice.

8. **General Terms and Conditions.** (a) the Agreement, as amended by this Amendment, constitutes the entire agreement and understanding of Site Owner and Ulysses and supersedes all offers, negotiations and any other written or verbal agreements; (b) any amendments to this Amendment must be in writing and executed by both parties; (c) if any term of this Amendment is found to be void or invalid, or ineffective as to third parties such provision shall be fully severable herefrom and such invalidity shall not affect the remaining terms of the Agreement, which shall continue in full force and effect, and the Agreement shall be reformed and construed as if such invalid provision had never been contained herein, and if possible, such provisions shall be reformed to the maximum extent permitted under applicable law to render same valid, operative and enforceable to reflect the intent of the Parties as expressed herein; (d) upon the request of Ulysses, Site Owner shall execute such instruments or plats or surveys as deemed reasonably necessary to describe the Property and Building, or for recordation in the public records of the County in which the Property is located; (e) the paragraph headings of this Amendment have been inserted for convenience of reference only, and shall in no way modify or restrict the terms of the Amendment; and (f) Site Owner agrees to provide Ulysses with such certificates, permit applications, and other instruments and reasonable assurances as reasonably required to fulfill the intent of the terms hereof.

9. **Full Force and Effect; Entirety; Amendment; Successors.** Except as modified herein, the Agreement and all the easements, covenants, agreements, terms, provisions and conditions thereof remain in full force and effect and are hereby ratified and affirmed. This Amendment, together with the Agreement constitutes the entire agreement among the undersigned parties hereto. Any modification to this Amendment or the Agreement must be in writing and signed and delivered by authorized representatives of the affected parties in order to be effective. In the event of a conflict between the terms of this Amendment and the terms of the Agreement, this Amendment and the terms herein shall at all times supersede and control and any ambiguity between such conflicting terms shall be interpreted and resolved based on the terms of this Amendment. This Amendment and the Agreement shall be binding on and inure to the benefit of the parties hereto and their respective heirs, personal representatives, lessees,

successors and assigns. It is the intention of the Parties hereto that all of the various rights, obligations, restrictions and easements created herein shall run with the affected lands and shall inure to the benefit of and be binding upon all future owners and assignees of the affected lands and all persons claiming under them.

10. **Signature; Counterparts.** This Amendment may be executed in several counterparts, each of which when so executed and delivered, shall be deemed an original and all of which, when taken together, shall constitute one and the same instrument, even though the Parties are not signatories to the same counterpart. Furthermore, the Parties may execute and deliver this Amendment by electronic means such as .pdf or similar format. Each Party agrees that the delivery of this Amendment by electronic means will have the same force and effect as delivery of original signatures and that each of the Parties may use such electronic signatures as evidence of the execution and delivery of the Amendment by all Parties to the same extent as an original signature.

11. **Governing Law.** Notwithstanding anything to the contrary contained in the Agreement and in this Amendment, the Agreement and this Amendment shall be governed by and construed in all respects in accordance with the laws of the state or commonwealth in which the Property is situated, without regard to the conflicts of laws provisions of such state or commonwealth.

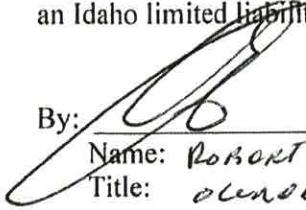
12. **Joinder Party.** And now to these presents, intervenes Joinder Party, who joins with the Site Owner in entering into this Amendment and does hereby agree to be bound by all of the covenants, agreements, terms, provisions and conditions hereof and joins Site Owner in granting the Communication Easement to Ulysses as set forth in Exhibit BB-1 attached hereto.

IN WITNESS WHEREOF, Site Owner, Joinder Party and Ulysses have each executed this Amendment as of the Effective Date.

[SIGNATURES TO FOLLOW ON NEXT PAGE]

**SITE OWNER:**

**Blynn Properties, LLC,**  
an Idaho limited liability company

By: 

Name: Robert Miller  
Title: General

Date: 3-1-16**WITNESS:**

Kenneth W Piercon  
Print Name:

Vince Pantalone  
Print Name:

STATE OF Idaho  
COUNTY OF Ada

I, a Notary Public of the County and State aforesaid, certify that Robert Miller, who is the general partner/manager/member of Blynn Properties, LLC, an Idaho limited liability company, came before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official stamp or seal, this 1st day of March, 2016.

[Affix Notary Seal]



Briana Johnson  
Notary Public  
My commission expires:  
July 14, 2021

[SIGNATURES CONTINUE ON NEXT PAGE]

**JOINDER PARTY:**

Treasure Valley Collision Center, L.L.C.,  
an Idaho limited liability company

By:

Name: Robert Miller  
Title:

Date: 3-1-16**WITNESS:**

Kenneth W. Pierson

Print Name:

Vince Pantalone

Print Name:

STATE OF IdahoCOUNTY OF Ada

I, a Notary Public of the County and State aforesaid, certify that Robert Miller, who is the general partner/manager/member of Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, came before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official stamp or seal, this 1st day of March, 2016.

[Affix Notary Seal]



Notary Public

My commission expires:

July 14, 2021

[SIGNATURES CONTINUE ON NEXT PAGE]

**ULYSSES:**

**Ulysses Asset Sub II, LLC, a Delaware limited liability company**

By: SS

Name:

Title: **Edward P. Maggio, Jr.**  
Senior Counsel, US Tower

Date: 3/16/11

**WITNESS:**

*Alexander Sutin*  
Print Name: Alexander Sutin

*Rahim Akram*  
Print Name: Rahim Akram

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )  
 ) ss:  
 )

On this 16 day of March, 2016, before me, the undersigned Notary Public, personally appeared Edward P. Maggio, Jr., personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person or the entity upon which the person acted, executed the instrument.



*Damon R. Nisula*  
Notary Public

My Commission Expires: 12-17-2021

Exhibit A  
Legal Description of Property

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

**Exhibit BB-1**  
**Communication Easement**

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

COMMENCING AT THE NORTHEASTERLY CORNER OF THE PROPERTY AT THE SOUTHERLY LINE OF W. STATE STREET; THENCE SOUTH, ALONG THE EAST LINE OF SAID PROPERTY, 155.00 FEET TO T A POINT; THENCE WEST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 10.00 FEET TO THE SOUTHEASTERLY CORNER OF THE HEREIN DESCRIBED COMMUNICATION EASEMENT AND POINT OF BEGINNING; THENCE CONTINUE WEST, 60.00 FEET; THENCE NORTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET; THENCE EAST AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 60.00 FEET; THENCE SOUTH AND PERPENDICULAR TO THE LAST MENTIONED COURSE, 20.00 FEET TO THE POINT OF BEGINNING; AND

AN ADDITIONAL 20.00 FEET BY 20.00 FEET ADJOINING THE WESTERLY LINE OF THE ABOVE DESCRIBED PREMISES.

Commencing at the southeast corner of said Lot 11; Thence along the south line of said Lot, N89°02'23"W, 11.14 feet; Thence N00°57'37"E, 7.10 feet; Thence N85°45'42"W, 27.30 feet; Thence N04°14'18"E, 11.80 feet; Thence N00°00'00"E, 4.56 feet (L8) to the Point of Beginning; Thence continuing N00°00'00"E, 5.85 feet (L9); Thence S88°51'23"E, 26.00 feet; Thence S01°08'37"W, 5.77 feet (L10); Thence N89°02'23"W, 25.88 to the Point of Beginning.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location hereof.

**Agreed and Approved:**

**SITE OWNER:**

**Blynn Properties, LLC,**  
an Idaho limited liability company

Signature:

Print Name:

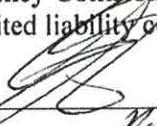
Its:

Date:

**Exhibit BB-1**  
**Communication Easement**  
**(Continued)**

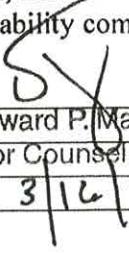
**JOINDER PARTY:**

**Treasure Valley Collision Center, L.L.C.,**  
an Idaho limited liability company

Signature:   
Print Name: Robert Miller  
Its: Owner  
Date: 3-1-16

**ULYSSES:**

**Ulysses Asset Sub II, LLC**  
a Delaware limited liability company

Signature:   
Print Name: Edward P. Maggio, Jr.  
Its: Senior Counsel, US Tower  
Date: 3/16/16

**WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**  
**DATED AUGUST 18, 2010**

ADA COUNTY RECORDER J. DAVID NAVARRO  
BOISE IDAHO 09/16/10 09:42 AM  
DEPUTY Vicki Allen  
RECORDED - REQUEST OF  
Fidelity National Title

AMOUNT 58.00 17



110086348

12 PGS  
58

1070338

**Prepared by:**

*Victoria M. de Lisle*  
*Locke Lord Bissell & Liddell LLP*  
*601 Poydras Street, Suite 2660*  
*New Orleans, LA 70130*  
*File: #0590924/03685*

**Record and Return to:**

*Dione Carter*  
*Fidelity National Title Group*  
*7130 Glen Forest Drive, Suite 300*  
*Richmond, VA 23226*  
*Phone: 1.804.267.2049*  
*Fax: 1.804.267.2330*  
*File: #11896145*  
*Unison Site: #316984*

### **WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT**

THIS WIRELESS COMMUNICATION EASEMENT AND ASSIGNMENT AGREEMENT ("Agreement") is made as of the 18<sup>th</sup> day of August, 2010 ("Effective Date"), by and between Blynn Properties, L.L.C. a/k/a LLC, whose address is 8247 W. State Street, Garden City, Idaho 83714 ("Site Owner"), Treasure Valley Collision Center L.L.C. whose address is 8247 West State Street, Boise, Idaho 83714 ("Joinder Party"), and T6 Unison Site Management LLC, a Delaware limited liability company, whose address is P.O. Box 1951, Frederick, Maryland 21702-0951 ("Unison"). All references hereafter to "Unison", "Site Owner" and "Joinder Party" shall include their respective heirs, successors, personal representatives, lessees, licensees and assigns (Unison and Site Owner, collectively, "Parties").

#### **RECITALS**

WHEREAS, Site Owner is the owner of that certain property ("Property") located in the City of Garden City, and County of Ada in the State of Idaho, having a street address of 8247 W. State Street, Garden City, Idaho 83714, and which Property is more particularly described on Exhibit A attached hereto.

NOW, THEREFORE, for and in consideration of the sum of Ten and No/100 Dollars and other good and valuable consideration, the receipt and sufficiency of which Site Owner does hereby acknowledge and grant Unison full discharge and acquittance therefor, Site Owner and Unison agree to the following:

1. Grant of Easement.

(a) Site Owner grants, bargains, sells, transfers and conveys to Unison:

(i) an exclusive easement in, to, under and over the portion of the Property substantially as shown and/or described on Exhibit B-1 ("Communication Easement") for the transmission and reception of any and all wireless communication signals and the construction, maintenance, repair, replacement, improvement, operation and removal of towers, antennas, buildings, fences, gates, generators and related facilities

(collectively, "Facilities") and any related activities and uses including those necessary for Unison to comply with its obligations under the agreements listed on Exhibit C ("Existing Agreements") together with the right to enter the Property and access the Easements described below, without notice to Site Owner, twenty-four (24) hours a day, seven (7) days a week, as may be required in connection with the activities and uses described in this Agreement, and

(ii) a non-exclusive easement in, to, under and over portions of the Property substantially as shown and/or described on Exhibit B-2 ("Access and Utility Easements;" Communication Easement and Access and Utility Easements, collectively "Easements") for ingress and egress to and from the Communication Easement and a publicly dedicated roadway, and for the installation, repair, replacement, improvement, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, and any related activities and uses.

(b) The Parties agree that the Communication Easement includes, without limitation, (i) the portion of the Property leased by Site Owner under the Existing Agreements, plus an additional 20.00 feet by 20.00 feet adjoining the westerly line of the area leased under the Existing Agreements and (ii) the portion of the Property upon which any Facilities are located on the Effective Date.

2. Assignment of Existing Agreements. Site Owner transfers and assigns to Unison, as of the Effective Date, all of its right, title and interest in, to and under the Existing Agreements, including without limitation, all rents, security deposits and other monies due the Site Owner specified therein. The Parties intend that this Agreement serve as an absolute assignment and transfer to Unison of all rents and other monies due the Site Owner pursuant to the Existing Agreements. Unison assumes the obligations and liabilities of Site Owner under the Existing Agreements only to the extent that such obligations and liabilities (i) are not the responsibility of the Site Owner pursuant to the terms of this Agreement; and (ii) accrue on or after the Effective Date.

3. Use of Easements. Consistent with the uses set forth in Section 1 above, Unison shall have the unrestricted right to lease, license, transfer or assign, in whole or in part, or permit the use of the Easements and/or its rights under this Agreement by any third parties including communication service providers or tower owners or operators, and any lessee or licensee under the Existing Agreements and the affiliates, agents, contractors, invitees and employees of Unison and/or Unison's present or future lessees or licensees (collectively, "Customers").

4. Term. This Agreement and the Easements shall be perpetual commencing on the Effective Date. Notwithstanding the foregoing, in the event Unison and Customers voluntarily cease to use the Easements (as defined in Section 1) for a period of more than five years (for reasons other than casualty, condemnation or Act of God), the Easements shall be deemed surrendered. Unison may surrender the Easements for any reason or at any time by giving thirty (30) days' notice to Site Owner. Upon surrender, this Agreement shall be terminated, and Unison and Site Owner shall execute and record such documents reasonably required to terminate the Easements. This Agreement may not be terminated by Site Owner.

5. Improvements: Utilities. Unison and its Customers, may, at their discretion and expense, construct such improvements in, to, under and over the Easements, consistent with the uses specified in Section 1, all of which shall be deemed part of the Facilities. The Facilities shall remain the property of Unison and its Customers, as applicable, and Site Owner shall possess no right, title or interest therein. In the event that utilities necessary to serve the Facilities cannot be installed within the Easements, Site Owner agrees to cooperate (at no cost to Site Owner) with Unison and to act reasonably and in good faith in granting Unison the right to locate such utilities on the Property without requiring the payment of additional fees. If necessary, Site Owner shall, upon Unison's request, execute and record a separate written easement with Unison or with the utility company providing the utility service to reflect such right. Site Owner hereby irrevocably constitutes and appoints Unison as its true and lawful attorney-in-fact, with full power of substitution and resubstitution, to apply for and obtain any and all licenses, permits, consents or approvals which may be required in connection with the use of the Easements by Unison and as necessary to comply with applicable laws, statutes or regulations.

6. Taxes. Site Owner acknowledges that a portion of the purchase price delivered by Unison to Site Owner is for and in consideration of the continuing obligation of Site Owner to pay, on or before the due date, all present and future real property taxes, transfer taxes, penalties, interest, roll-back or additional taxes, sales and use taxes and all other

fees and assessments, regardless of the taxing method (the "Taxes") attributable to the Property, this Agreement and the Easements. Without limiting the foregoing, except to the extent Taxes are the obligation of tenants under the Existing Agreements, Site Owner shall be solely responsible for the payment of such Taxes. Within ten (10) days of receiving a request from Unison, Site Owner shall furnish to Unison a copy of each bill for any such Taxes and evidence of Site Owner's payment of such bill. In the event that Site Owner fails to pay any Taxes when due, Unison shall have the right, but not the obligation, to pay such Taxes on behalf of Site Owner. Site Owner shall reimburse Unison for the full amount of such Taxes paid by Unison on Site Owner's behalf within five (5) business days of Site Owner's receipt of an invoice from Unison.

7. Property Maintenance and Access. Site Owner agrees to maintain the Property. Without limiting the foregoing, except to the extent maintenance is the obligation of tenants under the Existing Agreements, Site Owner shall be solely responsible for the maintenance of the Property. Site Owner agrees to provide Unison and its Customers access to and from the Easements and all other space in the Property consistent with the grant of the Easements set forth in Section 1 above, twenty-four (24) hours a day, seven (7) days a week.

8. Representations; Other Covenants of Site Owner. Site Owner represents, warrants and agrees that: (a) it is the legal owner of indefeasible and marketable title to the Property with the right, power and authority to enter into this Agreement and to grant the Easements to Unison, and any consents and authorizations required in connection with the execution and delivery of this Agreement have been obtained; (b) except for the Existing Agreements and as disclosed on Exhibit D, no leases, mortgages, deeds of trust or other encumbrances affect the Property as of the Effective Date; (c) Site Owner will comply with all governmental laws, rules and regulations applicable to the Property; (d) Site Owner has delivered to Unison true, correct and complete copies of the Existing Agreements, and, to Site Owner's best knowledge, no party is in default of any of their respective obligations under the Existing Agreements; (e) no party under the Existing Agreements has advised of any intention to exercise, nor have they exercised, any right of early termination set forth in its Existing Agreements, and further, no party has requested a reduction in the rental amount or escalator due under the Existing Agreements; (f) as of the Effective Date, Site Owner shall not, without the prior written consent of Unison, amend or modify the Existing Agreements in any respect or exercise any rights granted by Site Owner to Unison under this Agreement, including, without limitation, any and all rights and remedies of Site Owner under the Existing Agreements; (g) notwithstanding anything to the contrary in this Agreement, Site Owner shall comply with all obligations of the lessor under the Existing Agreements which relate to the use, ownership and operation of Property; and (h) Site Owner shall not use nor permit its affiliates, licensees, invitees or agents to use any portion of the Property or any other property owned or controlled by Site Owner, either directly, indirectly or by action or inaction, in a manner which in any way could result in default of the Existing Agreements or otherwise interfere with the operations of Unison and/or any Customers.

9. Environmental Covenants and Indemnity. Site Owner represents that it has not permitted or engaged in the use of, and has no knowledge of, any substance, chemical or waste (collectively "Substance") located on, under or about the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Neither Site Owner nor Unison will introduce or use any such Substance on, under or about the Property in violation of any applicable law or regulation. No underground storage tanks for petroleum or any other Substance, or underground piping or conduits, are or have previously been located on the Property, and no asbestos-containing insulation or products containing PCB or other Substances have been placed anywhere on the Property by Site Owner or, to Site Owner's knowledge, by any prior owner or user of the Property. Site Owner and Unison shall each defend, indemnify, protect and hold the other party harmless from and against all claims, costs, fines, judgments and liabilities, including attorney's fees and costs, arising out of or in connection with the presence, storage, use or disposal of any Substance on, under or about the Property caused by the acts, omissions or negligence of the indemnifying party and their respective agents, contractors and employees. The foregoing indemnity shall survive any termination of this Agreement.

10. General Indemnity. In addition to the Environmental Indemnity set forth above, Site Owner and Unison shall each indemnify, defend and hold the other harmless against any and all costs (including reasonable attorney's fees) and claims of liability or loss arising (a) due to the breach of any representation, warranty or covenant of such indemnifying party set forth herein; and (b) out of the use and/or occupancy of the Property and Easements by the indemnifying party. This indemnity shall not apply to any claims to the extent arising from the gross negligence or intentional misconduct of the indemnified party.

11. Assignment: Secured Parties. Unison has the unrestricted right to assign, mortgage or grant a security interest in all of Unison's interest in and to this Agreement and the Easements, and may assign this Agreement and the Easements to any such assignees, mortgagees or holders of security interests, including their successors and assigns ("Secured Party" or, collectively, "Secured Parties"). Site Owner agrees to notify Unison and Secured Parties (provided Unison has given Site Owner notice and contact information of Secured Parties) simultaneously of any default by Unison and give Secured Parties the same right to cure any default. If a termination, disaffirmation or rejection of this Agreement shall occur, pursuant to any laws (including any bankruptcy or insolvency laws), Site Owner will notify Secured Parties (provided Unison has given Site Owner notice and contact information of Secured Parties) promptly and Site Owner shall enter into a new easement agreement with any such Secured Party upon the same terms of this Agreement, without requiring the payment of any additional fees. If any Secured Party shall succeed to Unison's interest under this Agreement, such Secured Party shall have no obligation to cure and no liability for any defaults of Unison accruing prior to the date that such Secured Party succeeds to such interest. Site Owner will enter into modifications of this Agreement reasonably requested by any Secured Party. Site Owner hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Easements and/or the Facilities or any portion thereof.

12. Estoppel Certificate. At any time during the term hereof, each party shall have the right to deliver to the other a statement of such party certifying: (i) that this Agreement is unmodified and in full force and effect (or, if there have been modifications, stating the modifications and that the modified Agreement is in full force and effect); (ii) whether or not, to the best knowledge of the responding party, the requesting party is in default in performance of any of its obligations under this Agreement, and, if so, specifying each such default; (iii) that there are no amounts due to the responding party from the requesting party; and (iv) any other information reasonably requested concerning this Agreement (the "Estoppel Certificate"). In the event the responding party fails to dispute the Estoppel Certificate by delivery to the requesting party of a notice specifying the nature and circumstances of any matter in the Estoppel Certificate that is disputed by the responding party within ten (10) days of receipt of the Estoppel Certificate, then all matters specified in the Estoppel Certificate shall be deemed true and correct, and the Estoppel Certificate shall thereafter be binding on the Parties, Secured Party or any party designated by the requesting party, and all of such parties may thereafter rely on the Estoppel Certificate as a conclusive statement of fact by the responding party as to the matters set forth therein.

13. Additional Customers. It is the intent of the Parties to encourage the addition of Customers to the Property throughout and after the term hereof. Site Owner hereby irrevocably constitutes and appoints Unison as its true and lawful attorney-in-fact, with full power of substitution and resubstitution to negotiate and consummate leases, licenses and/or other agreements of use with Customers having a duration beyond the term of this Agreement. Site Owner ratifies and acknowledges the right of Unison to enter into such agreements, and the Property and Site Owner will be bound by such agreements throughout and after the termination of this Agreement for any reason. Site Owner acknowledges that all such agreements entered into by Unison shall survive the termination of this Agreement for any reason. Site Owner agrees that it shall not, directly or indirectly, divert or solicit the business of any of Unison's Customers on behalf of itself or on behalf of any third party. Unison shall have a right of first refusal to acquire, on the same terms and conditions offered by or to a third party, any interest in the Property or any portion thereof being transferred by Site Owner for wireless communication purposes such as described in Section 1 above. Site Owner shall, prior to granting or transferring such interest, notify Unison with a copy of the offer including the price and terms thereof. The foregoing is a continuing right in favor of Unison and shall not be extinguished by Unison's exercise or non-exercise of such right on one or more occasions. Upon the grant or transfer of the Property, or any portion thereof, to a third party, Site Owner shall immediately notify Unison in writing of such grant or transfer, with the name and address of the purchaser.

14. Condemnation. In the event of any condemnation of the Easements in whole or in part, Unison shall be entitled to file claims against the condemning authority for, and to receive, the value of the portion of the Property so taken on which the Easements are located, business dislocation expenses and any other award or compensation to which Unison may be legally entitled. Site Owner hereby assigns to Unison any such claims and agrees that any claims made by Site Owner will not reduce the claims made by Unison.

15. Covenant Running with the Land. The provisions of and covenants contained in this Agreement shall run with the land and shall bind and inure to the benefit of the Parties and their respective successors, heirs and assigns.

**16. Dispute Resolution.**

(a) If Unison fails to perform any of its obligations under this Agreement, Site Owner agrees to notify Unison and any Secured Parties, provided Unison has given Site Owner notice and contact information of Secured Parties, in writing of any default by Unison, and to give Unison and/or any Secured Parties the right to cure any default within a period of not less than sixty (60) days from Unison's receipt of the written default notice. If Unison or any Secured Parties shall fail to cure any default in accordance with this Section, Site Owner agrees that its only remedies for such default shall be specific performance or damages. Any and all damages for which Site Owner may be compensated is limited to the actual damages of Site Owner and Unison's liability shall be limited to its interest in the Property. In the event that any dispute or claim arises that could impair the use or possession of the Facilities by Unison or its Customers, Unison shall have the right to seek injunctive relief, without the necessity of posting a bond.

(b) Except as set forth in Section 16(a), in the event of any dispute arising out of this Agreement, the following dispute resolution process shall be followed: (i) upon a party's written notice of dispute to the other party, an authorized representative of the Site Owner and Unison shall, through a good faith negotiation, attempt to settle a written resolution within thirty (30) days and (ii) if such negotiation attempts fail, the dispute shall be submitted by the parties to a mutually agreed upon arbitrator for a binding and final arbitration decision in accordance with the rules of the American Arbitration Association ("AAA") and using the Federal Rules of Evidence and Civil Procedure. In the event the parties are unable to mutually agree to an arbitrator, each party shall select their own arbitrator, and each such arbitrator shall thereafter mutually agree on a third arbitrator, and the majority decision by all such arbitrators shall be final and binding on the parties. Each party shall pay one-half of all arbitrator professional fees and the prevailing party, in any proceedings under this Section 16, shall be entitled to recover all costs incurred in connection therewith, including legal fees.

**17. Notices.** All notices, requests, demands and other communications hereunder shall be in writing and shall be deemed given one (1) business day after posting with a nationally recognized overnight courier service, or the earlier of receipt or ten (10) days after posting by registered or certified mail, return receipt requested, to the addresses of Site Owner and Unison set forth on the signature page. Either party may change its notice address by providing a new recipient name and address by notice as set forth in this paragraph.

**18. Miscellaneous.** (a) This Agreement and all Exhibits attached hereto constitute the entire agreement and understanding of Site Owner and Unison with respect to the subject matter of this Agreement, and supersedes all offers, negotiations and any other written or verbal agreements; (b) any amendments to this Agreement must be in writing and executed by both parties; (c) this Agreement is governed by the laws of the State in which the Property is located; (d) if any term of this Agreement is found to be void or invalid, such provision shall be fully severable herefrom and such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect, and this Agreement shall be reformed and construed as if such invalid provision had never been contained herein, and if possible, such provisions shall be reformed to the maximum extent permitted under applicable law to render same valid, operative and enforceable to reflect the intent of the Parties as expressed herein; (e) upon the request of Unison, Site Owner shall execute a Memorandum of this Agreement and such plats or surveys as deemed reasonably necessary by Unison for recordation in the public records of the County in which the Property is located; (f) the paragraph headings of this Agreement have been inserted for convenience of reference only, and shall in no way modify or restrict the terms of this Agreement; (g) Site Owner acknowledges that Unison has not provided any legal or tax advice to Site Owner in connection with the execution of this instrument; and (h) this Agreement may be executed in any number of counterparts, each of which shall, when executed, be deemed to be an original and all of which shall be deemed to be one and the same instrument.

**19. Joinder Party.** And now to these presents, intervenes Treasure Valley Collision Center L.L.C., who joins with Site Owner in entering into this Agreement and does hereby agree to be bound by all of the terms hereof and joins Site Owner in granting the easement to Unison and assigns all of its right, title and interest in the Existing Agreements to Unison in all respects.

**[SIGNATURE PAGES FOLLOW]**

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

**WITNESSES:**

Print Name: \_\_\_\_\_

Print Name: \_\_\_\_\_

**"SITE OWNER":**

BLYNN PROPERTIES, L.L.C. 9/14/10 LLC

By: \_\_\_\_\_

Print Name: Robert Allen Miller, Jr.  
a/k/a Robert A. Miller, Jr.

Title: Member

Address: 8247 W. State Street

City: Garden City

State: Idaho

Zip: 83714

Tel: 208 853 2461

Fax: NA

STATE OF IDAHO )  
                    ) ss.

COUNTY OF ADA )

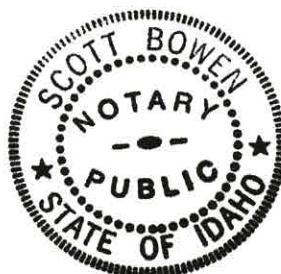
On this 18<sup>th</sup> day of Aug, in the year 2010, before me (here insert the name and quality of the officer), personally appeared Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr., known or identified to me to be the Member of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

\_\_\_\_\_  
Notary Public

Residing at Boise

My commission expires 11/14/12



IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

**WITNESSES:**

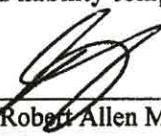
**"JOINDER PARTY":**

Print Name: \_\_\_\_\_

**Treasure Valley Collision Center L.L.C., an  
Idaho limited liability company**

Print Name: \_\_\_\_\_

By: \_\_\_\_\_  
Print Name: Robert Allen Miller, Jr.  
Title: Manager



Address: 8247 West State Street  
City: Boise  
State: Idaho  
Zip: 83714  
Tel: 208 853 0461  
Fax: NA

STATE OF IDAHO )  
                    ) ss.

COUNTY OF ADA )

On this 18<sup>th</sup> day of Aug, in the year 2010, before me (here insert the name and quality of the officer), personally appeared Robert Allen Miller, Jr., known or identified to me to be the manager of the limited liability company that executed the instrument or the person who executed the instrument on behalf of said limited liability company and acknowledged to me that such limited liability company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Scott Bowen  
Notary Public

Residing at Boise

My commission expires 11/14/12



IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

WITNESSES:

Print Name: TING WONG



Print Name: MAISHA SMITH



**"UNISON":**

**T6 UNISON SITE MANAGEMENT LLC,  
a Delaware limited liability company**

By:

Name: James R. Holmes

Title: Authorized Signatory

Address: P.O. Box 1951

City: Frederick

State: Maryland

Zip: 21702-0951

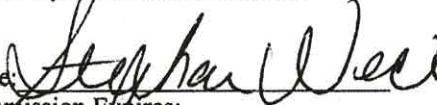
Tel: (646) 452-5455

Fax: (301) 360-0635

STATE OF NEW YORK )  
) ss.  
COUNTY OF NEW YORK )

On the 9TH day of AUGUST in the year of 2010, before me, the undersigned, a Notary Public in and for said state, personally appeared James R. Holmes, Authorized Signatory of T6 Unison Site Management LLC, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the individual or the entity upon behalf of which the individual acted, executed the instrument.

WITNESS my hand and official seal.

Signature:   
My Commission Expires: \_\_\_\_\_  
Commission Number: \_\_\_\_\_

STEPHANIE NOVICK  
Notary Public, State of New York  
No. 01NO5035998  
Qualified in New York County  
Commission Expires Nov. 14, 2010

**EXHIBIT A**

**LEGAL DESCRIPTION OF PROPERTY**

The following described premises, to-wit:

Lot 11 in Block 2 of Azalea Subdivision, according to the official plat thereof filed in Book 71 of Plats at Pages 7243 and 7244, records of Ada County, Idaho and amended by warranty deed recorded December 27, 1996 under Instrument No. 96106001.

AND BEING the same property conveyed to Treasure Valley Collision Center L.L.C., an Idaho limited liability company from Steven G. Gregory, a married man as his sole and separate property by Warranty Deed dated October 03, 2005 and recorded October 04, 2005 in Instrument No. 105148172; AND FURTHER CONVEYED to Blynn Properties, L.L.C., a limited liability company from Treasure Valley Collision Center, L.L.C. by Quitclaim Deed dated July 28, 2008 and recorded July 30, 2008 in Instrument No. 108086742.

Tax Parcel No. R0719420250

**EXHIBIT B-1**

**COMMUNICATION EASEMENT**

That portion of the Property on which any Facilities exist on the date of this Agreement together with the portion of the Property leased by Site Owner under the Existing Agreements, and the portion of the Property described as follows:

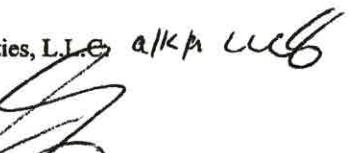
Commencing at the northeasterly corner of the Property at the southerly line of W. State Street; thence South, along the East line of said Property, 155.00 feet to a point; thence West and perpendicular to the last mentioned course, 10.00 feet to the southeasterly corner of the herein described Communication Easement and point of Beginning; thence continue West, 60.00 feet; thence North and perpendicular to the last mentioned course, 20.00 feet; thence East and perpendicular to the last mentioned course, 60.00 feet; thence South and perpendicular to the last mentioned course, 20.00 feet to the point of Beginning.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location thereof.

**Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLC

By: 

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.

By: 

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

**Unison:**

**By:**

**Name:** James R. Holmes  
**Title:** Authorized Signatory  
**Date:** 8/9/10

**EXHIBIT B-2**

**ACCESS AND UTILITY EASEMENTS**

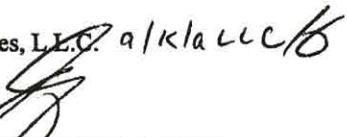
That portion of the Property on which any Facilities exist on the date of this Agreement or provided by Site Owner under the Existing Agreements for access and utility providers, including the following:

All rights of ingress and egress across the Property, more fully described on Exhibit "A" hereof, to and from the Communication Easement described in Exhibit B-1 hereof, providing access to a publicly dedicated roadway, including but not limited to W. State Street (hereinafter the "Access Easement"), along with the right to use said Access Easement for the development, repair, maintenance and removal of utilities providing service to the Communication Easement and the Facilities, as defined herein, and any related activities and uses.

Site Owner herein agrees that this legal description may be substituted at a later date upon presentation of a survey of the property more clearly defining the location thereof.

**Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLC 16  


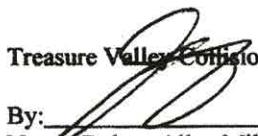
By: \_\_\_\_\_

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.  


By: \_\_\_\_\_

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

Unison:

By:

Name: James R. Holmes

Title: Authorized Signatory

Date: 8/9/10

**EXHIBIT C**

**EXISTING AGREEMENTS**

**Site Owner assigns and transfers to Unison, as of the effective date herein, all of its right, title and interest in, to and under any existing lease agreements, and any amendments, transfers, modifications and/or assignments thereof, affecting any portion of the Property leased by Site Owner under any Existing Agreements, including, without limitation, the following:**

1. That certain Site Lease With Option by and between Steven G. Gregory, as landlord, and VoiceStream PCS II Corporation, a Delaware corporation, as tenant, dated November 19, 2003, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by Assignment of Lease recorded on October 5, 2005 in Instrument No. 105148893.
2. That certain Communication Site Lease Agreement (Ground Space) by and between Steven G. Gregory, an unmarried person, as landlord, and Clearwire LLC, a Nevada limited liability company, as tenant, dated as of September 15, 2005, as assigned by Steven G. Gregory to Treasure Valley Collision Center, L.L.C., an Idaho limited liability company, by Assignment of Lease recorded on October 5, 2005 in Instrument No. 105148893.

**Read, Agreed and Approved:**

**Site Owner:**

Blynn Properties, L.L.C. a/k/a LLCB

By: 

Name: Robert Allen Miller, Jr. a/k/a Robert A. Miller, Jr.

Title: Member

Date: 8/18/2010

**Joinder Party:**

Treasure Valley Collision Center L.L.C.

By: 

Name: Robert Allen Miller, Jr.

Title: Manager

Date: 8/18/2010

Unison:

By:

Name: James R. Holmes

Title: Authorized Signatory

Date: 8/9/10

**EXHIBIT D**

**TITLE ENCUMBRANCES**

1. That certain Deed of Trust by Blynn Properties, LLC to Pioneer Title Co., as Trustee for the benefit of KeyBank National Association, in the amount of \$389,500.00 dated July 29, 2008 and recorded on July 30, 2008 in Document No. 108086743, together with that Assignment of Rents dated July 29, 2008 and recorded on July 30, 2008 in Instrument No. 108086745, Official Records of ADA County, Idaho, for which a Non-Disturbance Agreement has been executed in favor of Unison and recorded in Instrument No. 110086350 Official Records of Ada County, Idaho.
2. That certain Deed of Trust by Treasure Valley Collision Center L.L.C. to TitleOne Corporation, as Trustee for the benefit of Capital Matrix, Inc., in the amount of \$286,000.00 dated January 8, 2007 and recorded January 29, 2007, in Document No. 107013852, as assigned by the Assignment of Deed of Trust by Capital Matrix, Inc. to the Small Business Administration, dated January 8, 2007 and recorded January 29, 2007, in Document No. 107013853, and as subordinated by that certain Subordination Agreement in favor of KeyBank National Association, dated July 10, 2008 and recorded on July 30, 2008 in Document No. 108086744, together with the UCC Financing Statement recorded on January 29, 2007 in Instrument No. 107013851, Official Records of Ada County, Idaho, for which a Non-Disturbance Agreement has been executed in favor of Unison and recorded in Instrument No. 110086351, Official Records of Ada County, Idaho.