Date: April 20, 2026

Town of Frisco
Attn: Kris Valdez
Community Development Department
1 Main Street
Frisco, CO 80443

Re:
Special Use Permit Narrative and Applicable Plans and Documents
AT&T Temporary Telecommunications Facility
103 West Main Street, Frisco, Colorado
AT&T Project: AT&T Frisco / FA-10093711
APN: No APN location within ROW
Zoning District: ROW

Dear Ms. Valdez,

On behalf of AT&T, please accept this submittal of the Special Use Permit (SUP) narrative and associated plans and technical documentation for the proposed AT&T Frisco Temporary Telecommunications Site, located within the public right-of-way at 103 West Main Street, Frisco, Colorado.

This application proposes a temporary ballast-mounted telecommunications facility required to maintain continuity of wireless service during the redevelopment of the building at 101 West Main Street, which currently hosts an existing permanent rooftop AT&T wireless facility. The rooftop installation must be removed to accommodate approved redevelopment of the structure. The temporary facility is intended to serve as an interim solution for approximately 12 to 24 months, after which it will be fully removed and the site restored.

The proposed temporary tower will have an approximate height of 60 feet, with an additional approximately 5 feet for a lightning rod, and antennas mounting at an approximate 47-foot centerline. The facility includes three (3) sectors with two (2) antennas per sector, for a total of six (6) antennas. All equipment is proposed solely to support

interim service needs and does not represent a permanent telecommunications installation.

The enclosed application materials include:

- A detailed SUP narrative responding to applicable provisions of Section 180-5.2.11 of the Frisco Unified Development Code.
- Site plans, elevations, and photo simulations illustrating the temporary facility and its visual context along West Main Street.
- Structural, mount, and RF/EME documentation supporting the proposed interim installation; and
- Supporting statements addressing ROW placement, co-location, abandonment and removal, and other applicable requirements.

AT&T recognizes the importance of community character along the Main Street corridor and has designed the proposed temporary installation to minimize physical and visual impacts to the greatest extent practicable, while acknowledging that the nature of a ballast-mounted interim facility limits opportunities for stealth or architectural concealment. The proposal avoids permanent foundations, limits duration, and ensures complete removal upon completion of redevelopment.

At all times during installation, operation, and removal of the temporary telecommunications facility, pedestrian access along the existing sidewalk on West Main Street will be maintained. The proposed facility and associated equipment are sited outside of the clear pedestrian travel zone and will not require closure of the sidewalk.

In the event that short-duration, temporary obstructions are required during construction activities (such as equipment staging or lifting operations), AT&T will coordinate with the Town to implement approved pedestrian safety measures, including temporary rerouting, physical barriers, and signage, to ensure safe and continuous pedestrian passage around the work area. Sidewalk closures, if any, will be limited in duration and consistent with Town right-of-way and pedestrian safety standards.

We respectfully request the Town's review of this application and appreciate your consideration of this necessary interim facility. Please feel free to contact us if additional information or clarification is required during the review process.

Sincerely,

Ben Feldman

Ben Feldman
BMF Development, LLC on behalf of AT&T
1345 East Chandler Blvd #203
Phoenix, AZ 85048
602-819-4663

Project Introduction and Site Narrative

AT&T Frisco Temporary Site – Project 10093711

Project Location and Facility Description

AT&T proposes the installation of a temporary telecommunications facility, identified as the AT&T Frisco Temp Site (Project No. 10093711), to be located within the public right-of-way (ROW) at an assigned address of 103 West Main Street, Frisco, Colorado.

The proposed facility consists of a temporary ballast-mounted monopole tower with an overall height of approximately 65 feet, comprised of:

- Approximately 60 feet of monopole height, and
- An additional approximately 5 feet for a lightning rod.

Antennas will be mounted at an antenna centerline of approximately 47 feet above ground level. The facility will include:

- Three (3) sectors, with
- Two (2) panel antennas per sector, for a total of six (6) antennas mounted on the tower.

All associated equipment will be limited to that required to support interim service and will be installed in a compact configuration consistent with the temporary nature of the proposal.

Purpose and Need for Temporary Facility

This temporary facility is required due to the mandatory removal of an existing permanent AT&T wireless facility currently located on the rooftop of 101 West Main Street. The rooftop facility must be decommissioned as a direct result of the approved redevelopment of the host building. Redevelopment activities are anticipated to occur over the next 12 to 24 months, during which time the building will be unavailable to support telecommunications equipment.

Without an interim replacement facility, a significant wireless coverage gap would occur within the Main Street corridor, directly impacting residents, businesses, visitors, and public safety communications in the Town's core commercial and pedestrian area.

The proposed temporary ballast-mounted tower is intended solely as an interim solution to preserve existing service levels during redevelopment. It does not represent a permanent telecommunications installation, does not involve permanent foundations, and will be fully removed once redevelopment is complete and permanent service facilities can be restored or replaced.

Site Selection and ROW Location

Placement of the temporary facility within the ROW at 103 West Main Street allows the interim installation to most closely replicate the coverage footprint of the removed rooftop facility. Locating the tower along Main Street minimizes changes to signal propagation and avoids the need to establish a new permanent telecommunications site elsewhere in the community.

The ROW location has been reviewed by the Town for purposes of this application and reflects the limited sitting options available to maintain service continuity in a dense, developed downtown environment.

Community Compatibility and Visual Impact Considerations

AT&T recognizes the importance of community character and visual quality, particularly along the Main Street corridor. The applicant also acknowledges that the proposed temporary ballast-mounted tower is not a stealth facility and will be visible along Main Street.

Due to structural, engineering, and safety requirements inherent to ballast-mounted temporary towers, the proposed design cannot realistically incorporate stealth techniques or architectural concealment comparable to permanent rooftop or integrated installations. The need for a non-guyed structure, ballast weights, and interim engineering constraints substantially limit opportunities to reduce or eliminate visual obtrusiveness.

Despite these limitations, the proposal has been designed to minimize visual and physical impacts to the greatest extent practicable, with emphasis on the following:

- **Strictly Temporary Duration**
  The tower will remain in place only for the duration required to support service during redevelopment (approximately 12–24 months), significantly limiting long-term visual impacts within the Main Street streetscape.

- **Minimal Permanence**
  The ballast-mounted tower design itself avoids excavation, permanent foundations, or permanent site modification and allows full removal and restoration of the ROW once the interim period concludes.

- **Utility Connections and Ground Disturbance**
  Utility connections for the temporary facility, including electrical and fiber service, will be installed using underground temporary routes as shown on the site plan exhibits. Limited excavation may be required to connect to existing utility infrastructure; however, any ground disturbance will be confined to the smallest area necessary and coordinated with the Town and applicable utility providers. Power will be supplied via a temporary electrical service connection coordinated with Xcel Energy. The temporary transformer and underground power routing will be installed in compliance with Xcel Energy standards and Town right-of-way requirements. Where utility routes cross beneath sidewalks, trenching and restoration will be conducted to Town standards, ensuring sidewalks are restored to equal or better condition upon completion. No permanent utility infrastructure is proposed, and all temporary utility installations will be removed and the right-of-way fully restored at project completion.

- **Compact and Functional Design**
  The facility uses the minimum height, antenna count, and equipment necessary to maintain coverage, with no excess features or future expansion implied.

- **Neutral Finishes and No Visual Messaging**
  The monopole and equipment will utilize neutral, non-reflective finishes. No lighting, signage, advertising, or visual messaging is proposed.

- **Lighting and Lightning Protection**
  The proposed facility will not include any artificial lighting. The tower does not require FAA obstruction lighting due to its height, and no security, architectural, or accent lighting is proposed. The reference to a lightning rod refers solely to a passive lightning protection device. The lightning rod is not illuminated and does not emit light of any kind. Its sole function is to provide grounding and protection from lightning strikes in accordance with applicable electrical and safety codes.

- **ROW Safety and Functionality Maintained**
  The facility is sited to avoid interference with pedestrian circulation, utilities, access, and emergency operations within the ROW.

While some visual presence is unavoidable, the proposed facility represents the least intrusive temporary solution available under the circumstances and avoids the establishment of a new permanent tower or long-term visual element along Main Street.

Consistency With Town Objectives

Although not stealth in appearance, the proposed temporary facility is consistent with the broader intent of the Town's telecommunications regulations by:

- Preventing degradation of wireless service in the Town's commercial core
- Avoiding construction of a new permanent telecommunications facility
- Limiting impacts to a defined and finite timeframe
- Ensuring full removal and restoration of the ROW

The proposal reflects a measured, necessary, and temporary response to an unavoidable service disruption caused by redevelopment, balancing infrastructure needs with sensitivity to Frisco's community character and public realm.

Visual Impact Unavoidable – Waiver Justification

Pursuant to §180-5.2.11.C.5 of the Town of Frisco Unified Development Code, the Town may waive specific design guidelines where strict application would not serve the overall intent of §180-5.2.11.C, as defined in §180-5.2.11.A. The applicant respectfully submits that the visual impact of the proposed temporary ballast-mounted tower is unavoidable given the engineering, safety, and structural requirements associated with an interim, non-guyed telecommunications facility located within the public right-of-way.

Unlike permanent facilities, temporary ballast-mounted towers cannot reasonably incorporate stealth design elements, architectural concealment, or integrated structural treatments. The need for ballast weights, non-penetrating foundations, minimum separation distances, and structural tolerances significantly limit opportunities to reduce or eliminate visual obtrusiveness. These constraints are compounded by the ROW location along West Main Street, where available placement options and setbacks are inherently limited.

Strict application of design guidelines intended for permanent or architecturally integrated facilities would negate the feasibility of an interim solution and would result in a complete loss of wireless service in the Main Street corridor for the duration of redevelopment.

Accordingly, the applicant requests appropriate relief from strict visual design expectations where warranted, in recognition of the following:

- The facility is strictly temporary (approximately 12–24 months);
- No permanent foundations or site alterations are proposed.
- The tower height and equipment configuration represent the minimum required to replace the removed rooftop facility.
- The installation will be fully removed, and the ROW restored upon completion of redevelopment.

In this context, the proposed temporary tower achieves the underlying intent of the Code by accommodating necessary telecommunications infrastructure while avoiding permanent visual or land use impacts.

Exhibit Cross-Reference and Facility Details

To facilitate review, the key components of the proposed temporary facility are illustrated in the submitted exhibits and are summarized below:

- **Overall Height:**
  Approximately 60 feet monopole height, with an additional approximately 5 feet for a lightning rod (total approximate height 65 feet).
  Refer to: Exhibit C – Tower Elevations
- **Antenna Configuration:**
  Antennas mounted at an approximate 47-foot centerline above ground level, consisting of:
  - Three (3) sectors, with
  - Two (2) antennas per sector, for a total of six (6) antennas.
    Refer to: Exhibit C – Tower Elevations and Exhibit D – Antenna Mounting Details
- **Site Location and ROW Placement:**
  Temporary ballast-mounted tower located within the public ROW at 103 West Main Street, sited to maintain pedestrian access, utility clearances, and ROW functionality.
  Refer to: Exhibit B – Site Plan and ROW Layout

- **Visual Context and Streetscape Impacts:**
  Photo simulations depict the temporary facility from key viewpoints along West Main Street, illustrating visibility relative to surrounding buildings and streetscape elements.
  Refer to: Exhibit A – Photo Simulations

These exhibits are intended to demonstrate that the proposed design reflects the minimum height, bulk, and equipment necessary to maintain service continuity during redevelopment, consistent with the temporary nature of the facility.

§180-5.2.11.C — General Requirements

Applicant Responses

C (1) Federal Requirements (FAA / FCC Compliance)

Response:
The proposed temporary 65-foot ballast-mounted telecommunications tower will comply with all applicable federal regulations, including those of the Federal Communications Commission (FCC) and the Federal Aviation Administration (FAA), as required by §180-5.2.11.C.1. The proposed height does not require FAA lighting or marking. The facility will meet all current and future federal standards, and the applicant acknowledges responsibility to bring the facility into compliance should governing standards change during the temporary operational period.

C (2) Radio Frequency (RF) Emissions Standards

Response:
The proposed temporary telecommunications facility will comply with all applicable Federal Communications Commission (FCC) radio frequency (RF) emission standards. An Environmental Monitoring Exposure (EME) / RF compliance study evaluating the cumulative emissions from all proposed antennas at the site is being submitted concurrently with the Special Use Permit (SUP) application. The study demonstrates compliance with the FCC's maximum permissible exposure (MPE) limits for both controlled and uncontrolled environments.

Consistent with §180-5.2.11.C.2, the applicant will provide updated RF or EME compliance documentation upon request by the Town in response to any substantiated public concern or complaint, but not more frequently than annually. Should the Town incur reasonable

costs, including consulting costs, to verify compliance, such costs will be borne by the facility owner as required by the Code

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C (3) Building Codes and Structural Safety Standards

Response:
The temporary ballast-mounted telecommunications tower will be structurally designed to meet all applicable Town of Frisco building codes and safety standards, including wind, snow, and ice load requirements typical for Summit County conditions. Structural documentation demonstrating compliance with §180-5.2.11.C.3 will be submitted to the Town as part of the required building permit application and reviewed by the Town's Building Department prior to construction.

In addition, a mount analysis has been completed for the proposed ballast tower configuration, verifying that the tower, mounting system, and associated equipment loads are within the manufacturers and engineering design limits. The analyses confirm that the proposed installation is capable of safely supporting the anticipated temporary equipment without the use of guy wires and while maintaining adequate factors of safety.

The tower incorporates anti-climbing measures and is designed to accommodate only the proposed temporary equipment for the duration of the installation. All structural documentation demonstrates compliance with §180-5.2.11.C.3 and will be provided to the Town's Building Department for review.

C (4) Order of Preference

Response:
C (4)(a) Zoning District

The Town's preference for locating telecommunication facilities within commercial zoning districts is acknowledged. The proposed temporary ballast-mounted tower is located to maintain continuity of service following the required removal of an existing rooftop telecommunications facility due to redevelopment of the host building. The proposed location allows the replacement facility to serve the same coverage area as the removed rooftop installation and avoids service gaps affecting residents, businesses, and public safety communications.

Alternative locations within commercial zoning districts were evaluated and determined to be infeasible due to lack of equivalent coverage, limited site availability, and timing

constraints associated with the redevelopment schedule. The selected site represents the most effective temporary location to preserve existing service levels while avoiding the establishment of a new permanent telecommunications site.

C (4)(b) Facility Type

The Town's preference for wall- or roof-mounted telecommunications facilities over freestanding towers is acknowledged. Wall- or roof-mounted facilities are not feasible during the redevelopment period, as the existing host structure cannot support telecommunications equipment and will be unavailable for the duration of construction.

The proposed 65-foot ballast-mounted tower is a temporary, non-guyed facility that avoids permanent foundations, minimizes ground disturbance, and can be fully removed upon completion of redevelopment and reinstatement of permanent service facilities. The temporary tower is limited in height, footprint, and duration (approximately 12–24 months) and is not intended to function as a permanent freestanding telecommunications facility.

As proposed, the ballast-mounted tower represents the least intrusive and least permanent facility type available to maintain service continuity and is consistent with the overall intent of §180-5.2.11 to minimize permanent freestanding towers while accommodating necessary telecommunications infrastructure on a temporary basis.

C (5) Design Standards

Responses:

The proposed temporary telecommunications facility complies with the design standards set forth in §180-5.2.11.C.5. Where applicable, the guidelines below have been incorporated into the design and sitting of the facility. The Town retains discretion to waive specific guidelines if strict application does not further the overall intent of §180-5.2.11.C, as defined in §180-5.2.11.A.

C (5)(a) Materials, Colors, Screening, and Visual Integration

The location and design of the temporary ballast-mounted telecommunications facility and all accessory equipment utilize materials, colors, and finishes intended to blend with the surrounding natural setting and built environment. The tower will be finished in a neutral, non-reflective color to minimize visual contrast. Accessory equipment is consolidated and located at ground level to reduce visibility, consistent with the temporary nature of the

installation. No equipment is proposed above ridgelines, and no permanent grading or earth disturbance is required.

C (5)(b) Overlay District Compatibility

This subsection is not applicable. The proposed temporary telecommunications facility and associated accessory equipment are not located within an overlay district adopted by the Town. Therefore, no overlay district standards apply to the project.

C (5)(c) Roof- and Wall-Mounted Facility Standards

This subsection is not applicable. The proposed telecommunications facility is a stand-alone temporary installation and is not roof- or wall-mounted. The facility is required due to the removal of an existing rooftop installation associated with redevelopment of the host building, and the building will be unavailable to support telecommunications equipment for the duration of construction. As a result, roof- or wall-mounted facilities are not feasible during the interim period.

C (5)(d) Lighting

The proposed freestanding temporary telecommunications facility will not be artificially lit, as FAA lighting is not required for the proposed 65-foor height. No security of accent lighting is proposed. The height of the proposed facility includes an approximately 5-foot passive lightning rod. The lightning rod does not increase visual bulk beyond the minimum required for safety and does not introduce lighting or illuminated features. Its inclusion is standard for telecommunications facilities and necessary to meet electrical and safety requirements.

C (5)(e) Setbacks and Property Lines

No portion of the proposed antenna array, tower structure, or accessory equipment will extend across a required property setback or beyond the property line. The proposed temporary ballast-mounted telecommunications facility is located within the public right-of-way (ROW). Placement within the Town ROW has been reviewed and approved by the Town for purposes of Special Use Permit submittal, and the facility is sited to comply with all applicable spatial, safety, and clearance requirements.

C (5)(f) Landscaping Requirements

All landscaping associated with the project, if required, will comply with the landscaping requirements and guidelines of §180-6.14 of the Town of Frisco Unified Development Code. Due to the temporary nature of the installation and the lack of permanent site disturbance, landscaping impacts are minimal.

C (5)(g) Height, Bulk, and Zoning District Regulations

The proposed temporary ballast-mounted telecommunications facility does not fully conform to all height, bulk, and setback requirements of the underlying zoning district due to the temporary nature of the installation and its location within the public right-of-way (ROW). Placement within the ROW presents inherent constraints that make strict compliance with all zoning district dimensional standards impracticable.

The facility is proposed as an interim solution to maintain continuity of wireless service following the removal of an existing rooftop installation necessitated by redevelopment of the host building. The tower is limited in height, footprint, and duration (approximately 12–24 months), does not involve permanent foundations, and will be fully removed upon completion of redevelopment and reinstatement of permanent service facilities.

Given these constraints and the temporary purpose of the installation, strict application of zoning district requirements is not feasible and would undermine the intent of §180-5.2.11 to accommodate necessary telecommunications facilities while minimizing permanent visual and physical impacts. The proposed facility represents the least intrusive alternative available under the circumstances and is consistent with the overall purpose and intent of the Code.

C (6) Co-Location

C (6)(a) Demonstration That Co-Location Is Not Feasible

While the proposed facility is temporary in nature, a building permit is required and will be obtained prior to construction. This application does not propose a new permanent freestanding telecommunications facility; rather, it requests approval for a temporary ballast-mounted facility intended solely to maintain service continuity during redevelopment.

The proposed facility is a temporary, stand-alone ballast-mounted tower intended solely to maintain continuity of service during the redevelopment of a building that currently hosts an existing rooftop telecommunications facility.

The applicant has evaluated opportunities for co-location on existing towers and structures within the geographic area required to meet coverage objectives. No existing towers or structures are suitable to accommodate the applicant's needs for the following reasons:

i. **Geographic Coverage Limitations:**
There are no existing towers or structures within the immediate coverage area that can replicate the service footprint provided by the removed rooftop facility. Co-location at other locations would result in coverage gaps and diminished service levels.

ii. **Height Limitations:**
Existing structures in the vicinity do not provide sufficient height to meet engineering and coverage requirements necessary to replace the lost rooftop installation.

iii. **Structural Limitations:**
Available structures were evaluated and determined to lack sufficient structural capacity to support the proposed antennas and related equipment without substantial modification, which is not feasible or appropriate for a temporary deployment.

iv. **Interference Considerations:**
The proposed facility will be used only for wireless telecommunications purposes. No advertising, signage, branding, or non-telecommunications uses are proposed. The tower and all associated equipment will operate in compliance with Town regulations and will not support any prohibited uses.

v. **Engineering and Physical Constraints:**
Other limiting factors, including antenna orientation, spacing requirements, and equipment layout constraints, render existing facilities unsuitable for co-location.

vi. **Accessory Equipment Constraints:**
There is insufficient land area at potential co-location sites to safely and reasonably accommodate the necessary accessory equipment associated with the proposed temporary deployment.

Based on these factors, no existing tower or structure can reasonably accommodate the applicant's temporary service needs during the redevelopment period.

C (6)(b) Non-Exclusion of Competitors

The applicant will not unreasonably exclude any telecommunications competitor from using the proposed facility, provided such co-location is technically feasible and does not compromise the temporary nature, structural capacity, or operational integrity of the installation. Upon request by the Town, the applicant will provide written documentation explaining any technical, structural, or engineering limitations that would prevent co-location.

C (6)(c) Third-Party Technical Review

The applicant acknowledges that if a telecommunications competitor requests co-location at the proposed temporary facility and the parties are unable to reach agreement, the Town may require a third-party technical study to evaluate the feasibility of co-location. The applicant agrees to participate in such a study in accordance with §180-5.2.11.C.6(c), recognizing that any such analysis must account for the temporary and interim nature of the facility.

C (7) Prohibited Use

The proposed telecommunications facility will not contain advertising, signage, or any visual messaging of any kind. The tower and associated equipment will be used exclusively for the transmission and reception of telecommunications signals, in full compliance with §180-5.2.11.C.7.

C (8) Abandonment; Removal

The applicant acknowledges and agrees to comply with the abandonment and removal provisions of §180-5.2.11.C.8. The proposed facility is expressly temporary and will be removed upon completion of redevelopment of the host building and restoration of permanent telecommunications facilities, or within approximately 12–24 months of installation, whichever occurs first.

Should the facility cease operation for a continuous period of six months, it should be deemed abandoned. Upon abandonment or notification by the Town, the applicant will remove the tower and all associated accessory equipment within the required timeframe. All removal activities will be performed at the applicant’s expense, and the site will be restored to a condition satisfactory to the Town.

The applicant acknowledges that a performance bond may be required pursuant to §180-5.2.11.D.2.d, and that such bond shall be released only after the facility has been fully removed and the site restored to the Town's satisfaction.

D. Permit and Application Requirements — Applicant Response

D (1) Building Permit

The applicant acknowledges that it is unlawful to construct or erect a telecommunications facility without first obtaining a building permit. A building permit application will be submitted and obtained prior to installation of the proposed temporary ballast-mounted telecommunications facility. All construction will comply with approved plans, applicable building codes, and conditions of approval associated with the Special Use Permit.

D (2) Information Required

The applicant has provided or will provide the following information as part of the Special Use Permit and building permit submittals:

D (2)(a) Applicant Identity and Legal Status

The identity and legal status of the applicant, including applicable affiliates, are provided within the Special Use Permit application materials.

D (2)(b) Responsible Party Contact Information

The name, address, and telephone number of the officer, agent, or employee responsible for the accuracy of the application are provided in the application materials and will be kept current.

D (2)(c) FCC Authorizations

Information sufficient to demonstrate that the applicant has applied for and received all required FCC construction permits, operating licenses, or other approvals necessary to provide telecommunications services within the Town is included with the application or will be provided prior to building permit issuance, as applicable.

D (2)(d) Removal Deposit / Performance Security

The applicant agrees to post a deposit or performance bond at the time a permit is issued, in an amount set by the Town and reasonably related to the cost of removing the temporary telecommunications facility, associated accessory equipment, and restoring the site should the applicant fail to comply with removal obligations.

D (2)(e) Co-Location Agreement

The applicant agrees to:
i. Consider co-location proposals from other commercial radio providers expressing interest in the facility; and
ii. Not unreasonably exclude such providers, subject to technical, structural, engineering, and safety limitations associated with the temporary nature and capacity of the facility.

A statement describing the general feasibility and limitations of co-location at the temporary facility is included with the application.

D (2)(f) Service Changes and Interference Monitoring

The applicant agrees to notify the Town at least ten (10) days prior to the introduction of new telecommunications services or changes to existing services at the facility. The applicant further agrees to allow the Town to monitor potential interference with public safety communications during testing and activation periods.

D (2)(g) RF Interference Certification

Except as applicable to low-power facilities, the applicant has provided a verified statement prepared by a qualified radio frequency engineer certifying that a technical evaluation of existing and proposed facilities indicates no potential RF interference issues. If any potential interference is identified, the application includes a description of the issue and a plan to mitigate and eliminate such interference. An EME/RF study is submitted with the SUP application.

D (2)(h) Existing and Planned Facilities Narrative and Map

This provision is not applicable to the proposed facility. The telecommunications installation proposed under this application is a temporary interim facility intended solely to maintain continuity of service during the redevelopment of an existing rooftop telecommunications site. The facility will be removed upon completion of redevelopment or within approximately 12–24 months of installation and is not intended to function as a permanent or long-term site.

Because the proposed installation is temporary and not part of the applicant's permanent wireless network build-out, a narrative and map of existing or planned telecommunications facilities within the Town or within three (3) miles of the Town boundaries is not being provided. The facility does not represent a future siting commitment, long-term coverage plan, or master planning element, and inclusion of such information would not meaningfully contribute to the Town's long-range telecommunications planning or co-location objectives.

The applicant understands that this provision is intended to support master planning and long-term coordination of facilities and acknowledges that such information would be appropriate in connection with a permanent telecommunications facility proposal.

D (3) Supplemental Information

The applicant agrees that, following issuance of any permit, it will inform the Town in writing within sixty (60) days of any change to the information provided pursuant to §180-5.2.11.D, including changes related to ownership, contact information, service characteristics, or facility operation.

Temporary Nature and Removal Commitment (Supporting Statement)

Response:
The applicant commits to removal of the temporary ballast-mounted telecommunications tower within 24 months of installation, or sooner if permanent replacement facilities become operational. This commitment ensures that the installation remains consistent with the Town of Frisco's long-term land use goals and avoids the proliferation of permanent freestanding towers.

AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

SMARTLINK/AT&T
CO.FRISO - TEMP SITE
10093711

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

EXHIBIT A

EXISTING VIEW 1 - FROM NORTH

PROPOSED VIEW 1 - FROM NORTH

AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

SMARTLINK/AT&T
CO.FRISO - TEMP SITE
10093711

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

EXISTING VIEW 2 - FROM EAST

PROPOSED VIEW 2 - FROM EAST

161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

SMARTLINK/AT&T
CO.FRISO - TEMP SITE
10093711

1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

EXISTING VIEW 3 - FROM SOUTH

PROPOSED VIEW 3- FROM SOUTH

AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

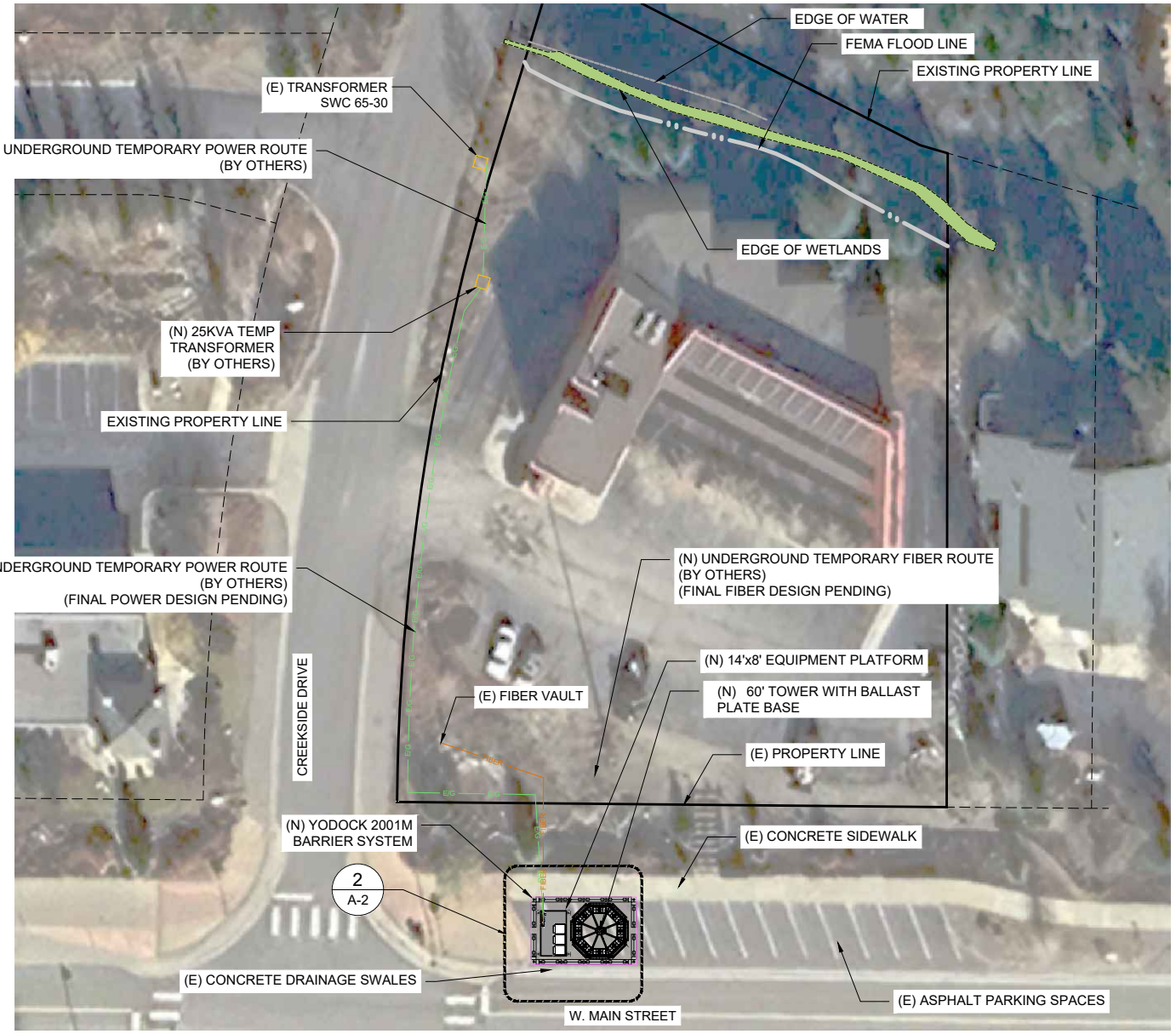
SMARTLINK/AT&T
CO.FRISO - TEMP SITE
10093711

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

EXISTING VIEW 4 - FROM WEST

PROPOSED VIEW 4 - FROM WEST

EXHIBIT B



1 PLAN: OVERALL SITE
PAGE A-1 SCALE: 1/32" = 1'-0"

NOTE:
- THE AREA UNDER THE TOWER IS TO BE BROUGHT TO LEVEL GRADE.

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W E
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AT&T
161 INVERNESS DRIVE W. 2ND FLOOR
ENGLEWOOD, CO 80112

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

CCI systems

DRAWING SCALES ARE INTENDED FOR 11"x17" SIZE PRINTED MEDIA ONLY.

SUBMITTALS

REV	DESCRIPTION	DATE	DRN BY:	REV BY:	APP BY:
1	90% COMPLETE CD	01/21/2026	JED	OAM	MJC
2	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
3	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
4	100% COMPLETE CD	04/09/2026	JED	OAM	MJC

COLORADO LICENSED
MATTHEW JOHN CHASE
47078
PROFESSIONAL ENGINEER
04/17/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

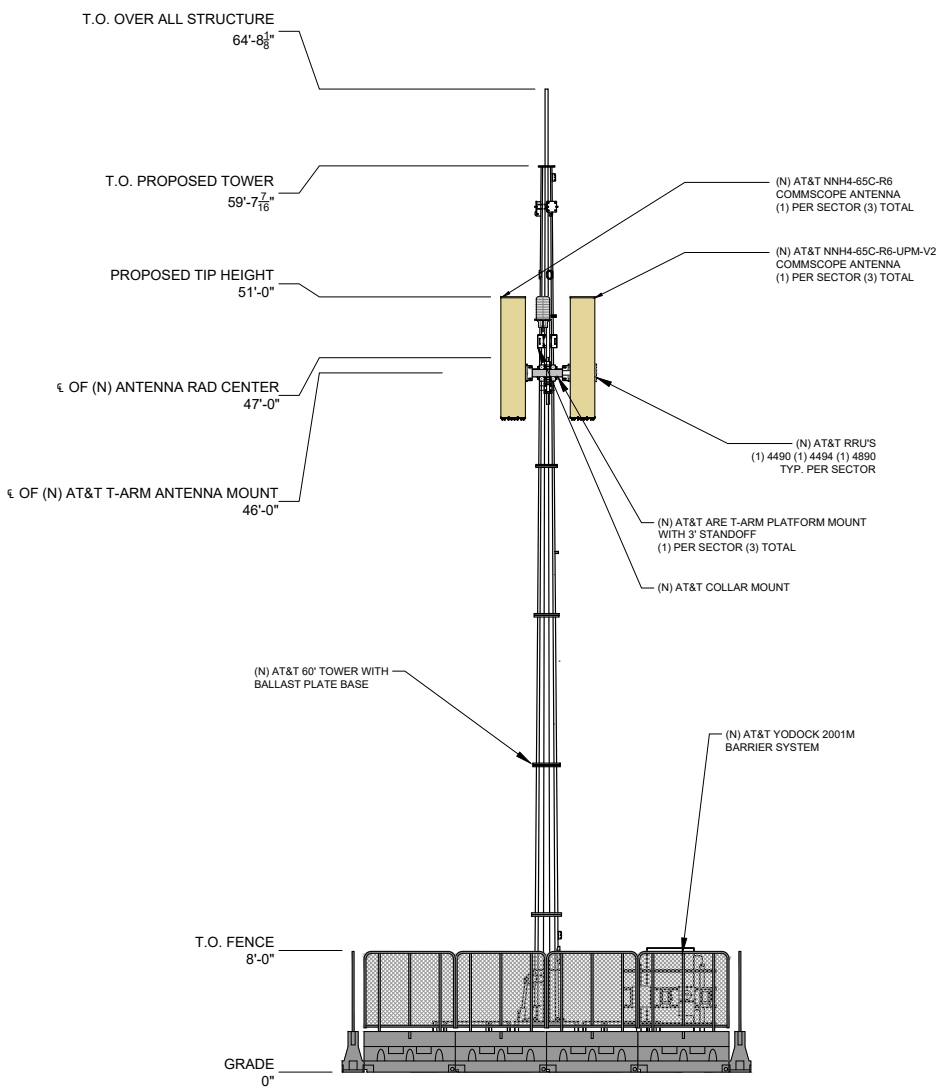
OVERALL SITE PLAN

SHEET NO.

A-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

EXHIBIT C



7 ELEVATION: LEASE AREA SITE, PROPOSED
PAGE A-4 SCALE: 1/8" = 1'-0"

AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
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1	90% COMPLETE CD	01/21/2026	JED	OAM	MJC
2	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
3	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
4	100% COMPLETE CD	04/09/2026	JED	OAM	MJC

COLORADO LICENSED
MATTHEW JOHN CHASE
47078
PROFESSIONAL ENGINEER
04/09/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

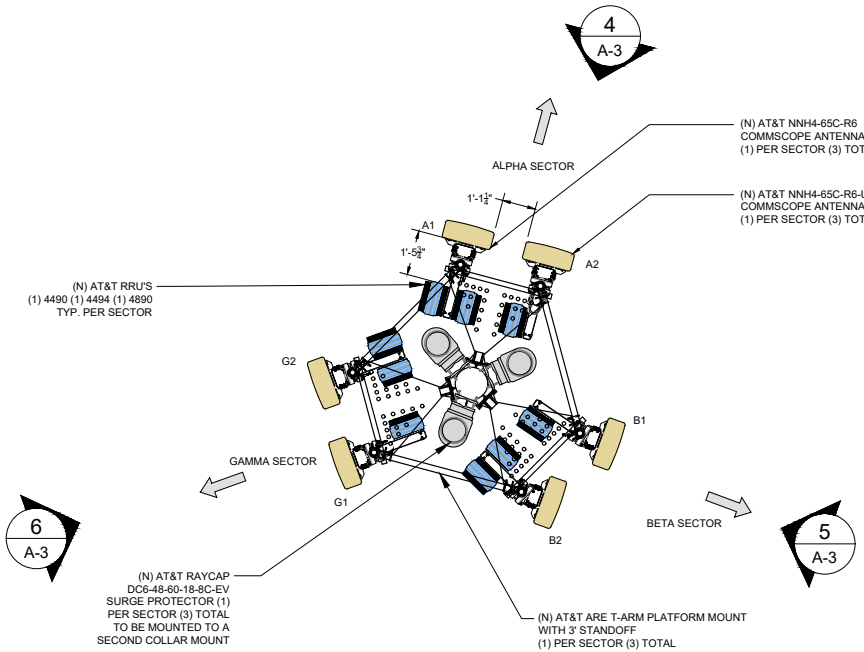
SITE ELEVATION

SHEET NO.

A-4

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

EXHIBIT D

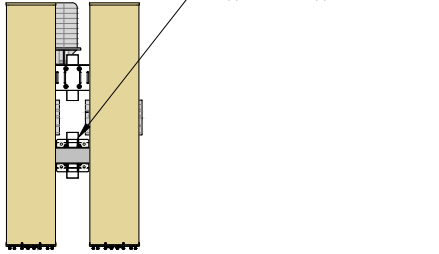


3 PLAN: SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"

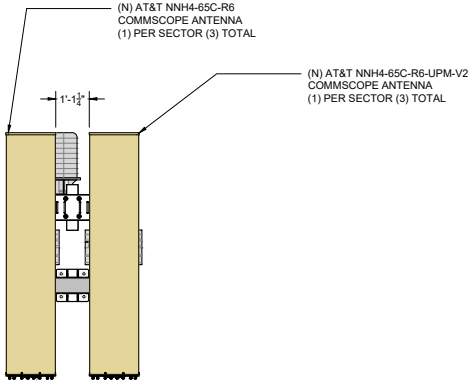
PROPOSED ANTENNA SCHEDULE

SECTOR		ANTENNA TECHNOLOGY	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA TIP HEIGHT	RRU	OVP	CABLING
ALPHA	A1	5G, LTE	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	A2	5G	COMMSCOPE	NNH4-65C-R6	51'-0"			
	A3							
	A4							
BETA	B1	5G, LTE	COMMSCOPE	NNH4-65C-R6	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	B2	5G	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"			
	B3							
	B4							
GAMMA	G1	5G, LTE	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	G2	5G	COMMSCOPE	NNH4-65C-R6	51'-0"			
	G3							
	G4							

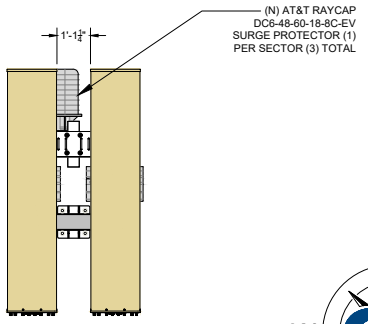
NOTE:
* CONTRACTOR TO REFER TO FINAL RFDS FOR ALL RF DETAILS
** OR SIMILAR



4 ELEVATION: ALPHA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"



5 ELEVATION: BETA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"



6 ELEVATION: BETA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"

AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

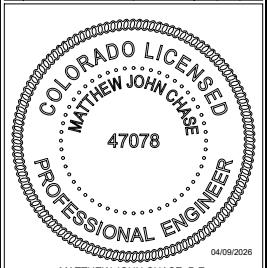
smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

CCI systems

DRAWING SCALES ARE INTENDED FOR 11"x17" SIZE PRINTED MEDIA ONLY.

SUBMITTALS

REV	DESCRIPTION	DATE	DRN BY:	REV BY:	APP BY:
A	90% COMPLETE CD	01/21/2026	JED	OAM	MJC
B	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
C	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
D	100% COMPLETE CD	04/09/2026	JED	OAM	MJC



MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

ANTENNA SECTOR PLAN AND DETAILS

SHEET NO.

A-3

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

Subject:	Re: 101 West Main Street - Frisco - AT&T Temp Site Revision
Date:	Tuesday, April 14, 2026 at 14:25:59 Mountain Standard Time
From:	Fisher, Tom
To:	Ben Feldman
CC:	Valdez, Kris, Craig Coney, Brett Ruby, Southworth, Josh, Gorham, James
Attachments:	image001.png, image002.png, Outlook-wbfnzwxt.png, Outlook-p3qu3mzn, Outlook-vaypoqpx, Outlook-3lqewewt

Ben,

The Town supports the COW in the Town ROW location indicated on the graphic in your email under the following conditions:

- A safe pedestrian walkway is maintained in its current location through the duration of the project and the pedestrian walkway is only occasionally blocked for underground utility construction for as short a duration as possible, and
- Proper permits are applied for and approved for such activity.

Please let me know if you have any questions.

Sincerely,
Tom

Tom Fisher | Town Manager
(he/him/his) *What's This?*

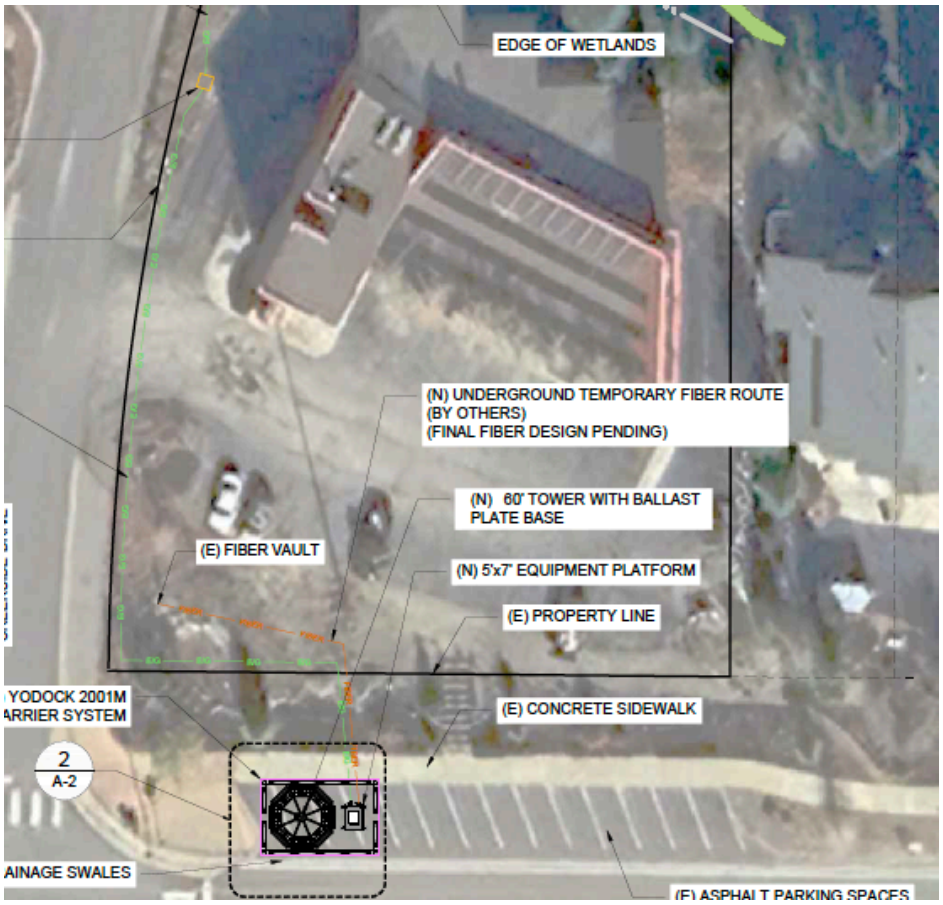
Mailing PO Box 4100, Frisco, CO 80443
Physical 1 Main Street, Frisco, CO 80443
Office 970.668.9123
Cell 970.640.1757
Email TomF@TownofFrisco.com
FriscoGov.com
TownofFrisco.com

From: Ben Feldman <ben.feldman@bmfdevelopment.com>
Sent: Sunday, April 12, 2026 2:29 PM
To: Fisher, Tom <TomF@townoffrisco.com>

Cc: Valdez, Kris <krisv@townoffrisco.com>; Craig Coney <cc794p@att.com>; Brett Ruby <BRuby@nhpfoundation.org>
Subject: 101 West Main Street - Frisco - AT&T Temp Site Revision

Tom,

I recently started working on this project for AT&T, specifically the temp tower we are proposing. The location you approved along the West side of the building on 3/20/2026 has changed, and I just wanted to get your approval to resubmit for my zoning application this week. We changed to some parking spaces along Main Street and have been assigned an address of 103 Main Street for the new application. Please see the screenshot of the new location for your approval, if acceptable please just respond to this email approving the new location.



Thank you,

Ben Feldman
BMF Development, LLC
1345 East Chandler Blvd #203
Phoenix, AZ 85048
P:602-819-4663
E:ben.feldman@bmfdevelopment.com

Radio Frequency Safety Survey Report Predictive (RFSSRP) Prepared For AT&T

Site Name:	FRISCO_TEMP_RELO_COW
FA#:	10093711
USID:	507641
Site ID:	NA
Address:	103 WEST MAIN STREET, FRISCO, CO 80443
County:	SUMMIT
Latitude:	39.57531
Longitude:	-106.10642
Structure Type:	COW
Property Owner:	NHP FOUNDATION
IWM Job#:	WSUTH0051653
RFDS ID:	TBD
Desktop Modeler:	IXUS VERSION 4.18(0)

Report Information

Report Writer: Deepak Jat

Report Generated Date: 04-17-2026

Compliance Statement

AT&T Mobility Compliance Statement: Based on the information collected, AT&T Mobility will be compliant when the remediation recommended in section 5 or appropriate remediation determined by AT&T is implemented.

Table of Contents

1. Executive Summary

1.1 Site Summary

Max Predictive Spatial Average MPE% & Location on Site (General Public)	211.37% at Flag Pole at 49.5 ft. Level
Max Predictive Spatial Average MPE% at Ground (General Public)	18.65%
AT&T Mobility Site Compliance	AT&T Mobility will be compliant by implementing remediation recommended as per section 5 in this report.

TABLE 1: Site Summary

1.2 Signage Summary (Proposed)

AT&T Signage Locations	Sign Type									
	Safety Instructions	Notice 2D Adjacent	Caution Sign 2	Caution Sign 2B	Caution Sign 2C	Caution 7"x7"	Warning Sign 1B	RF Exposure Map	Lock	Barriers
COW				1						
Flag Pole		2								
Alpha										
Beta										
Gamma										

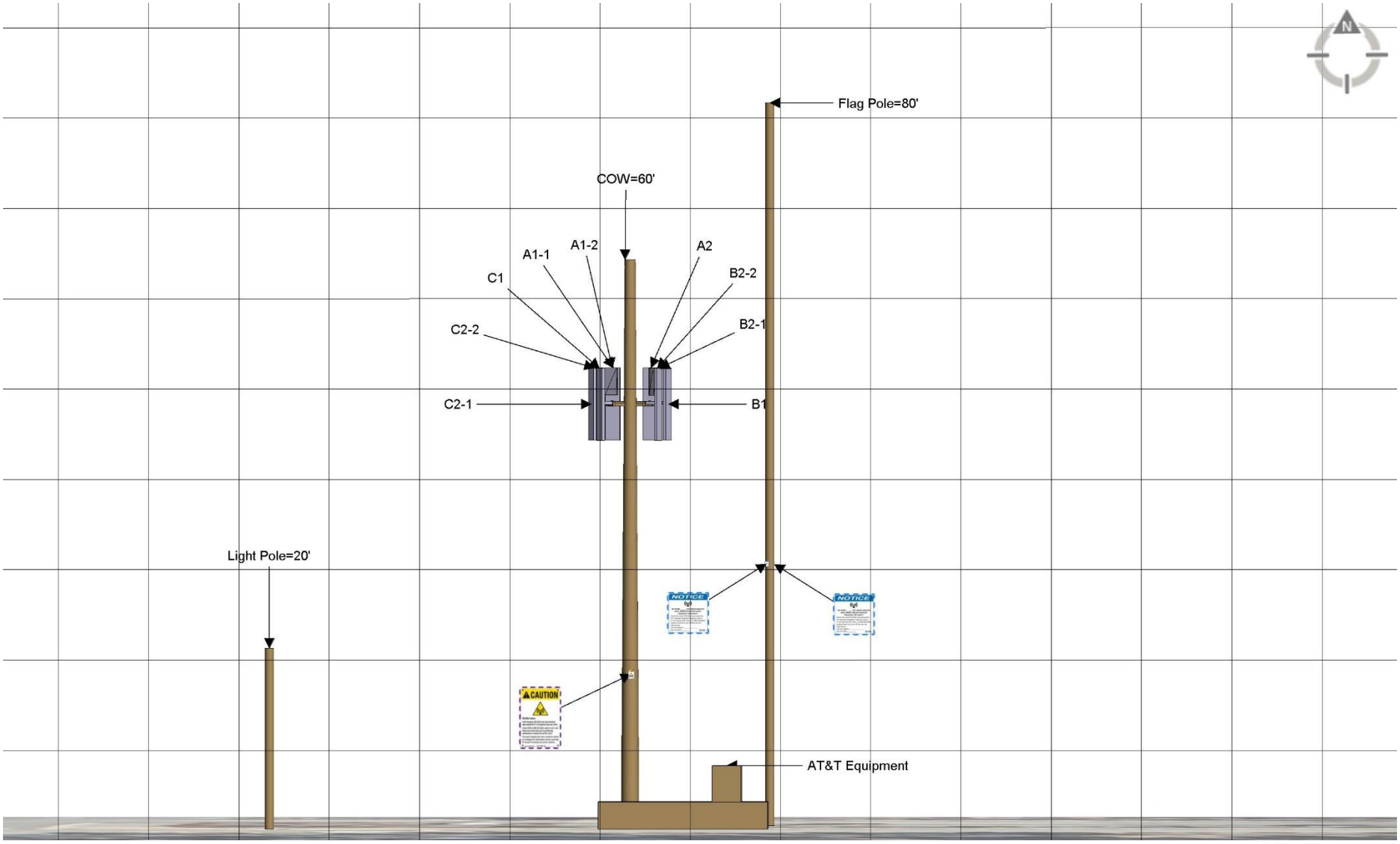
TABLE 2: Signage Summary (Proposed)

1.3 List of Documents used to prepare this Report.

I. *10093711_AE201_100 FCD_REV_1_TEMP SITE_CO.FRISCO_COL04002_2026-04-09.pdf*

II. *CO_Frisco_COL04502_Relo_RFDS_COW_USID_507641_20260415.xlsx*

2. Site Scale Map



Proposed	Proposed Signage													
Barrier ------	Safety Instructions	Notice 2	Notice 2D Adjacent	Caution 2	Caution 2A	Caution 2B	Caution 2C	Caution 2D Adjacent	Caution 7"x7"	Warning 1B	Warning 2A	RF Exposure Map	Lock	*Grid Scale = 10 ft*
Posts ●														

3. Antenna Inventory

ANT ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	Freq (MHz)	Tech	Az (°)	EDT (°)	EDT Range For Analysis (°)	MDT (°)	HBW (°)	Antenna Gain (dBd)	Antenna Aperture (ft)	Transmitter Power (Watts)	Total Loss (dB)	Total ERP (Watts)	Total EIRP (Watts)
A1-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B14)	LTE	15	-	2 - 12	0	65	13.45	8	120	0.5	2366.91	3883.12
A1-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B29)	LTE	15	-	2 - 12	0	65	13.45	8	60	0.5	1183.45	1941.56
A1-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3450	5G	15	-	-	0	112	24.25	3.02	55*	0	14633.99*	24008.37*
A1-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3840	5G	15	-	-	0	96	25.15	3.02	45*	0	14730.33*	24166.43*
A2	AT&T	CommScope	NNH4-65C-R6	Panel	700(B12)	LTE	15	-	2 - 12	0	75	13.55	8	180	0.5	3633.06	5960.36
A2	AT&T	CommScope	NNH4-65C-R6	Panel	850	5G	15	-	2 - 12	0	73	13.95	8	180	0.5	3983.57	6535.40
A2	AT&T	CommScope	NNH4-65C-R6	Panel	1900	LTE	15	-	2 - 12	0	59	15.35	8	180	0.5	5498.86	9021.37
A2	AT&T	CommScope	NNH4-65C-R6	Panel	2100	LTE	15	-	2 - 12	0	61	15.55	8	180	0.5	5758.01	9446.53
B1	AT&T	CommScope	NNH4-65C-R6	Panel	700(B12)	LTE	110	-	2 - 12	0	75	13.55	8	180	0.5	3633.06	5960.36
B1	AT&T	CommScope	NNH4-65C-R6	Panel	850	5G	110	-	2 - 12	0	73	13.95	8	180	0.5	3983.57	6535.40
B1	AT&T	CommScope	NNH4-65C-R6	Panel	1900	LTE	110	-	2 - 12	0	59	15.35	8	180	0.5	5498.86	9021.37
B1	AT&T	CommScope	NNH4-65C-R6	Panel	2100	LTE	110	-	2 - 12	0	61	15.55	8	180	0.5	5758.01	9446.53
B2-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B14)	LTE	110	-	2 - 12	0	65	13.45	8	120	0.5	2366.91	3883.12
B2-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B29)	LTE	110	-	2 - 12	0	65	13.45	8	60	0.5	1183.45	1941.56
B2-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3450	5G	110	-	-	0	112	24.25	3.02	55*	0	14633.99*	24008.37*
B2-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3840	5G	110	-	-	0	96	25.15	3.02	45*	0	14730.33*	24166.43*
C1	AT&T	CommScope	NNH4-65C-R6	Panel	700(B12)	LTE	250	-	2 - 12	0	75	13.55	8	180	0.5	3633.06	5960.36
C1	AT&T	CommScope	NNH4-65C-R6	Panel	850	5G	250	-	2 - 12	0	73	13.95	8	180	0.5	3983.57	6535.40
C1	AT&T	CommScope	NNH4-65C-R6	Panel	1900	LTE	250	-	2 - 12	0	59	15.35	8	180	0.5	5498.86	9021.37
C1	AT&T	CommScope	NNH4-65C-R6	Panel	2100	LTE	250	-	2 - 12	0	61	15.55	8	180	0.5	5758.01	9446.53
C2-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B14)	LTE	250	-	2 - 12	0	65	13.45	8	120	0.5	2366.91	3883.12
C2-1	AT&T	CommScope	NNH4-65C-R6-UPM-V2	Panel	700(B29)	LTE	250	-	2 - 12	0	65	13.45	8	60	0.5	1183.45	1941.56
C2-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3450	5G	250	-	-	0	112	24.25	3.02	55*	0	14633.99*	24008.37*
C2-2	AT&T	Ericsson	AIR 6472 B77G B77M	Integrated	3840	5G	250	-	-	0	96	25.15	3.02	45*	0	14730.33*	24166.43*

Table 3.1: Antenna Inventory Table

Note: Any change in EDT value beyond "EDT Range for Analysis (°)" as mentioned in the table above will require a new EME (Predictive) study.
* 75% TDD duty Cycle & 0.32 Power Reduction factor[1] are used to calculate Transmitter Power & ERP/EiRP

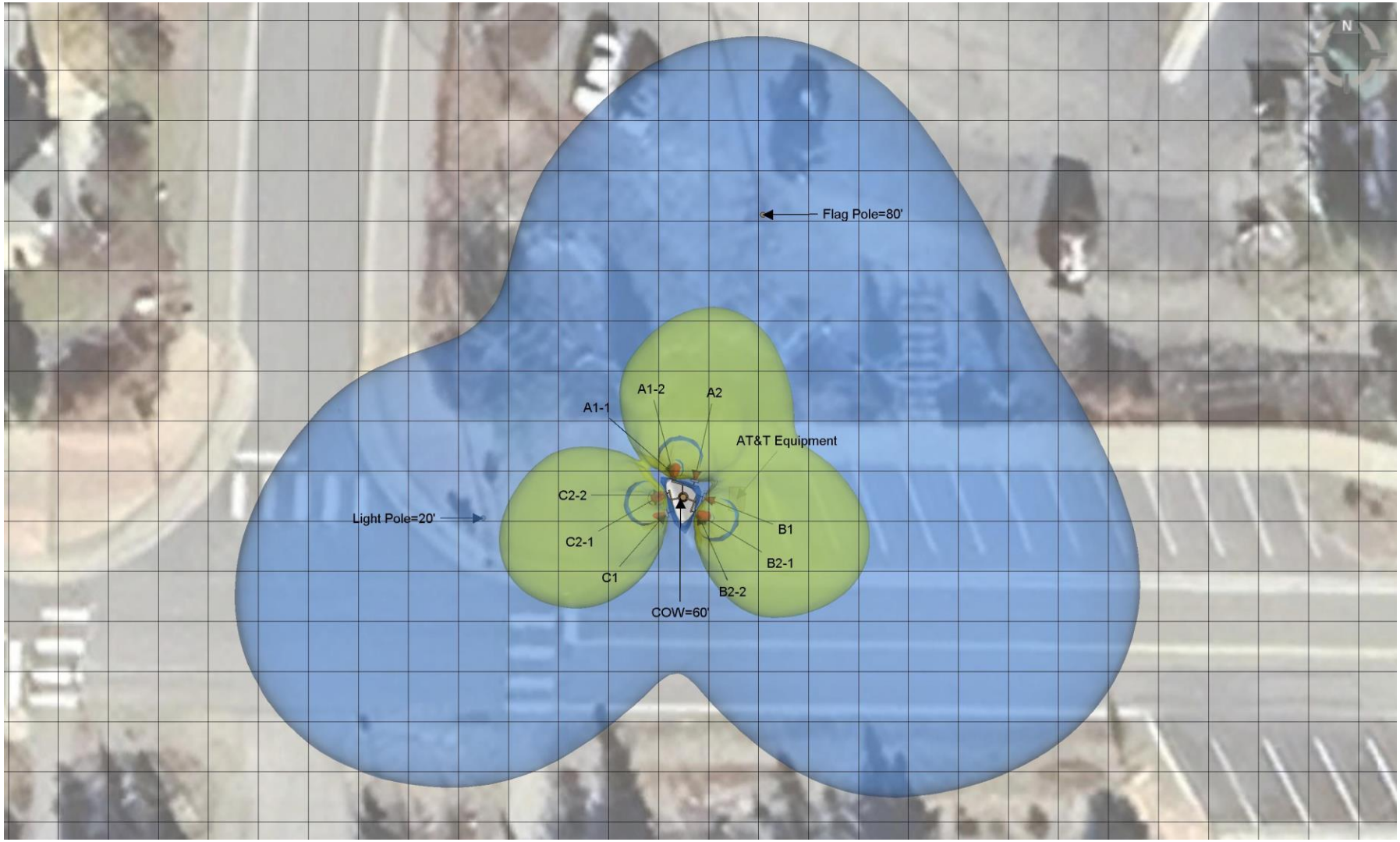
Antenna Heights (Z) (ft.)

Ant ID	Operator	Antenna Radiation Centerline (ft)	Z-Height from Flag Pole (ft)	Z-Height from Light Pole (ft)	Z-Height from Ground (ft)
A1-1	AT&T	47.00	-37.00	23.00	43.00
A1-2	AT&T	49.49	-32.02	27.98	47.98
A2	AT&T	47.00	-37.00	23.00	43.00
B1	AT&T	47.00	-37.00	23.00	43.00
B2-1	AT&T	47.00	-37.00	23.00	43.00
B2-2	AT&T	49.49	-32.02	27.98	47.98
C1	AT&T	47.00	-37.00	23.00	43.00
C2-1	AT&T	47.00	-37.00	23.00	43.00
C2-2	AT&T	49.49	-32.02	27.98	47.98

Table 3.2: Antenna Height(s) Summary Table

4. Predicted RF Emission Diagram(s)

4.1 Predictive Cumulative MPE Contribution from All Sources: 3D Top View

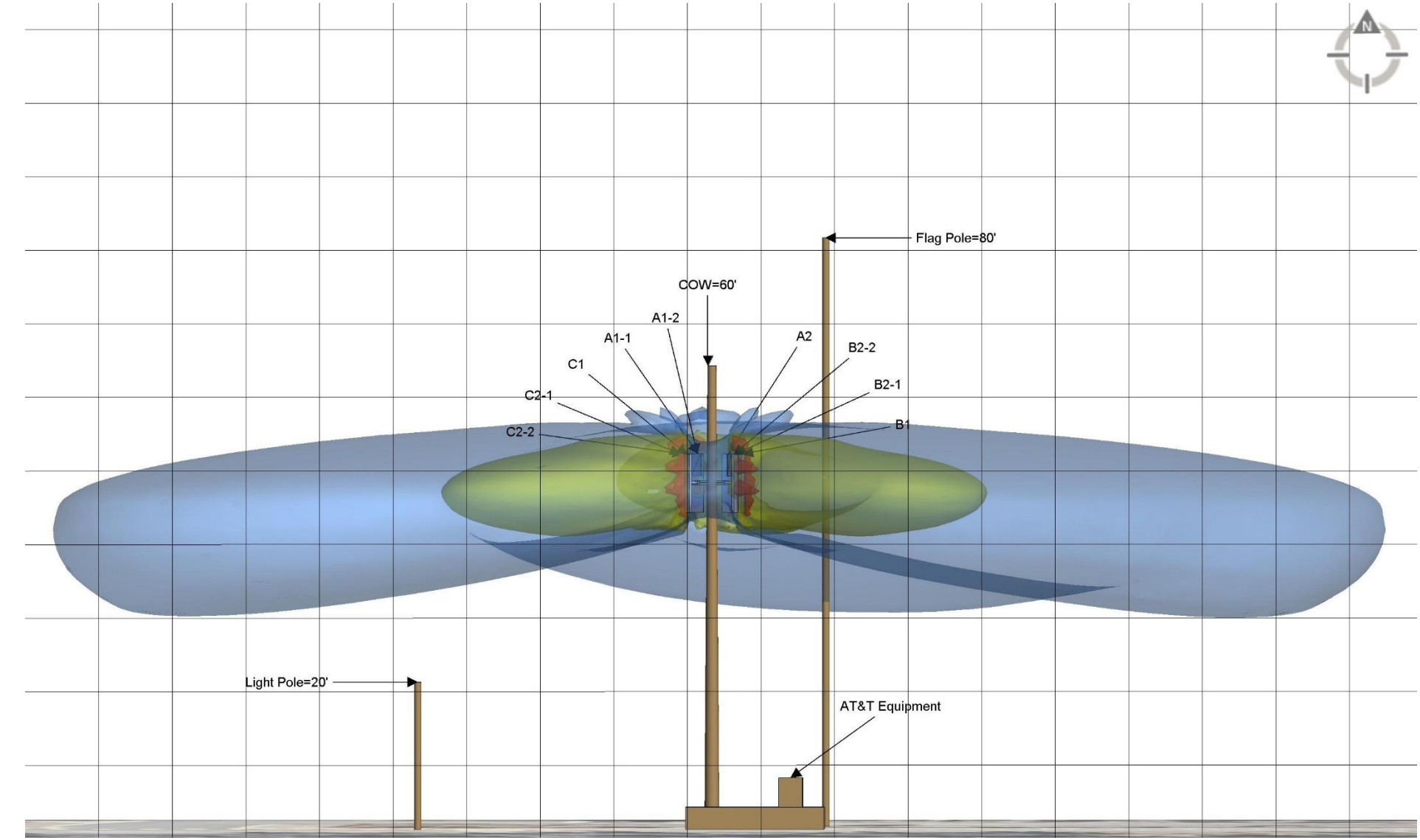


% of FCC General Public Exposure Limit

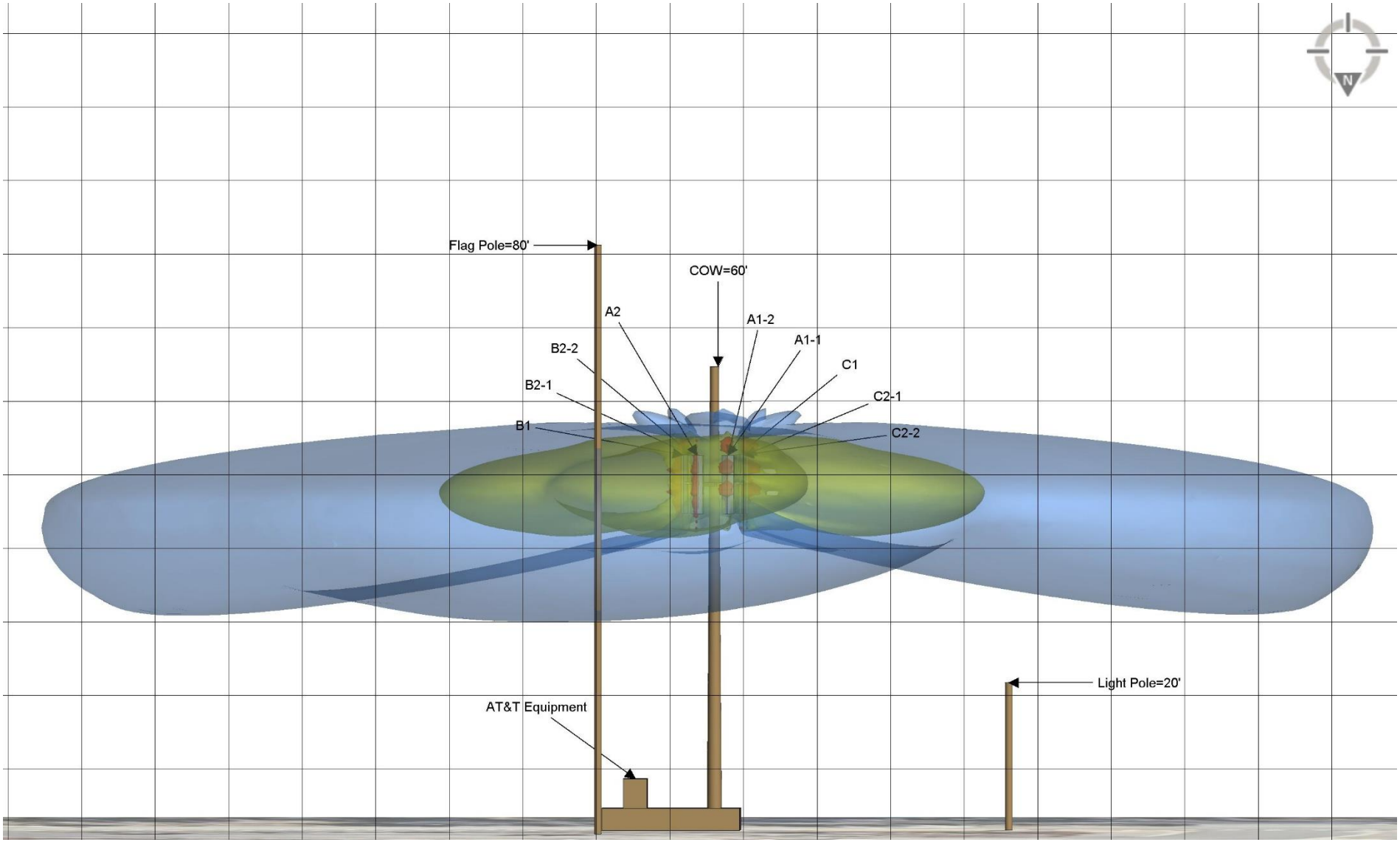
100-500	500-5000	>5000

Map Scale = 10 ft

4.2 Predictive Cumulative MPE Contribution from All Sources: 3D Perspective View - 1



4.3 Predictive Cumulative MPE Contribution from All Sources: 3D Perspective View - 2

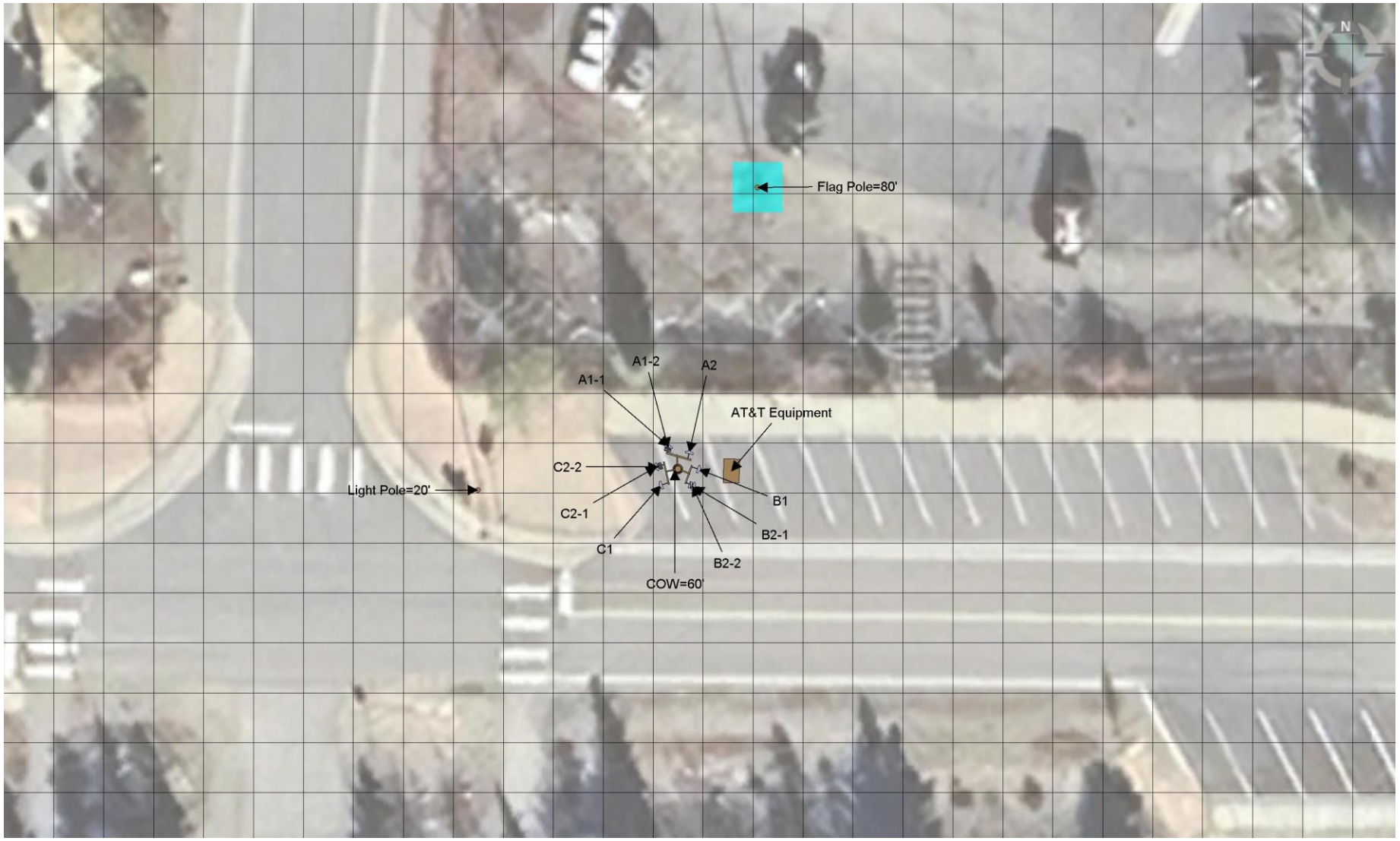


% of FCC General Public Exposure Limit

100-500	500-5000	>5000

Map Scale = 10 ft

4.4 Predictive Cumulative MPE Contribution from All Sources at Flag Pole at 49.5 ft. Level (80 ft. AGL)



Max. Predictive Spatial Average MPE% = **211.37%**

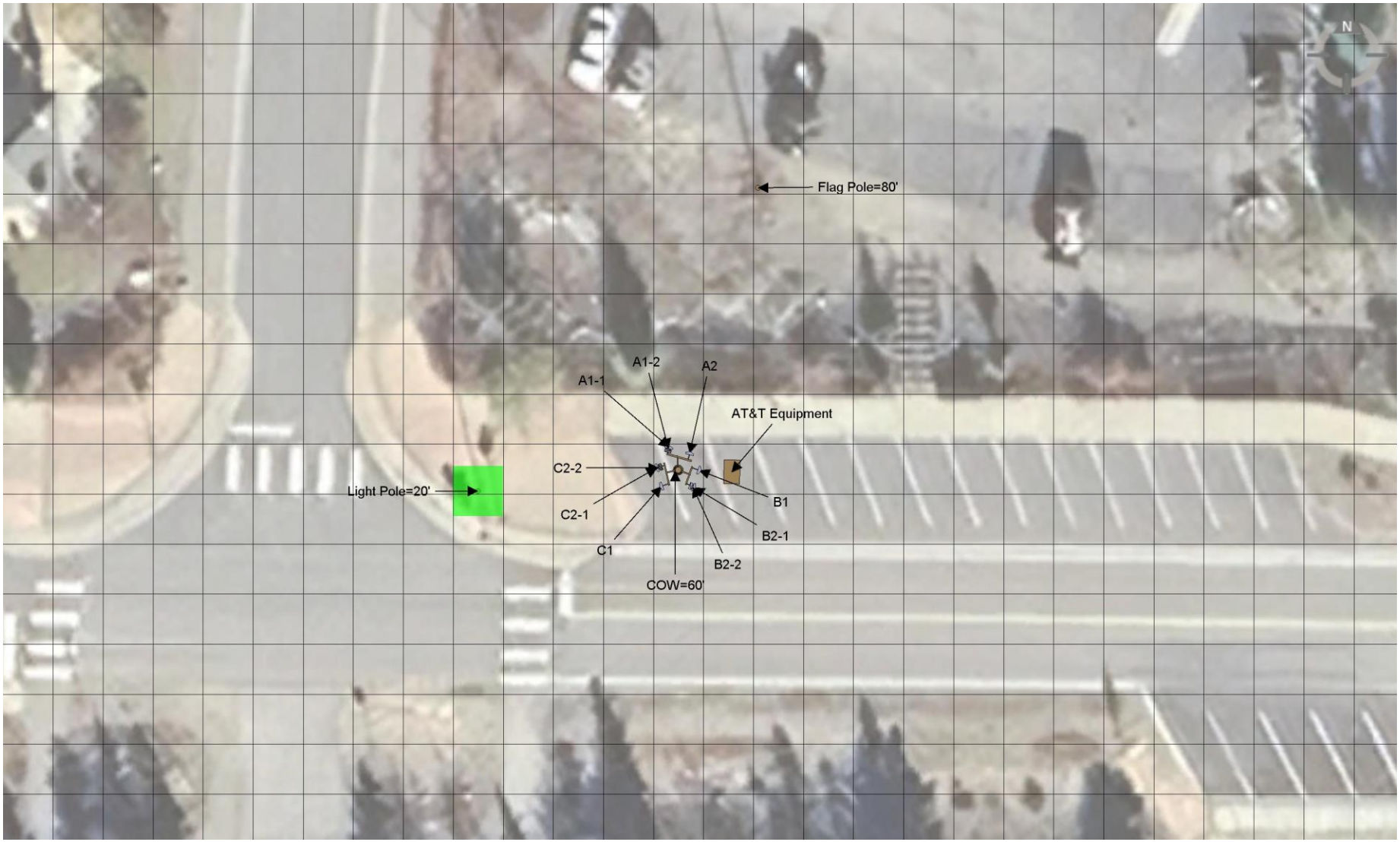
Proposed Barrier
Proposed Posts

% of FCC General Public Exposure Limit (Predictive Spatial Average)

Non-Simulated	0-5	5-100	100-500	500-5000	>5000

Grid Scale = 10 ft

4.5 Predictive Cumulative MPE Contribution from All Sources at Light Pole Level (20 ft. AGL)



Max. Predictive Spatial Average MPE% = **7.79%**

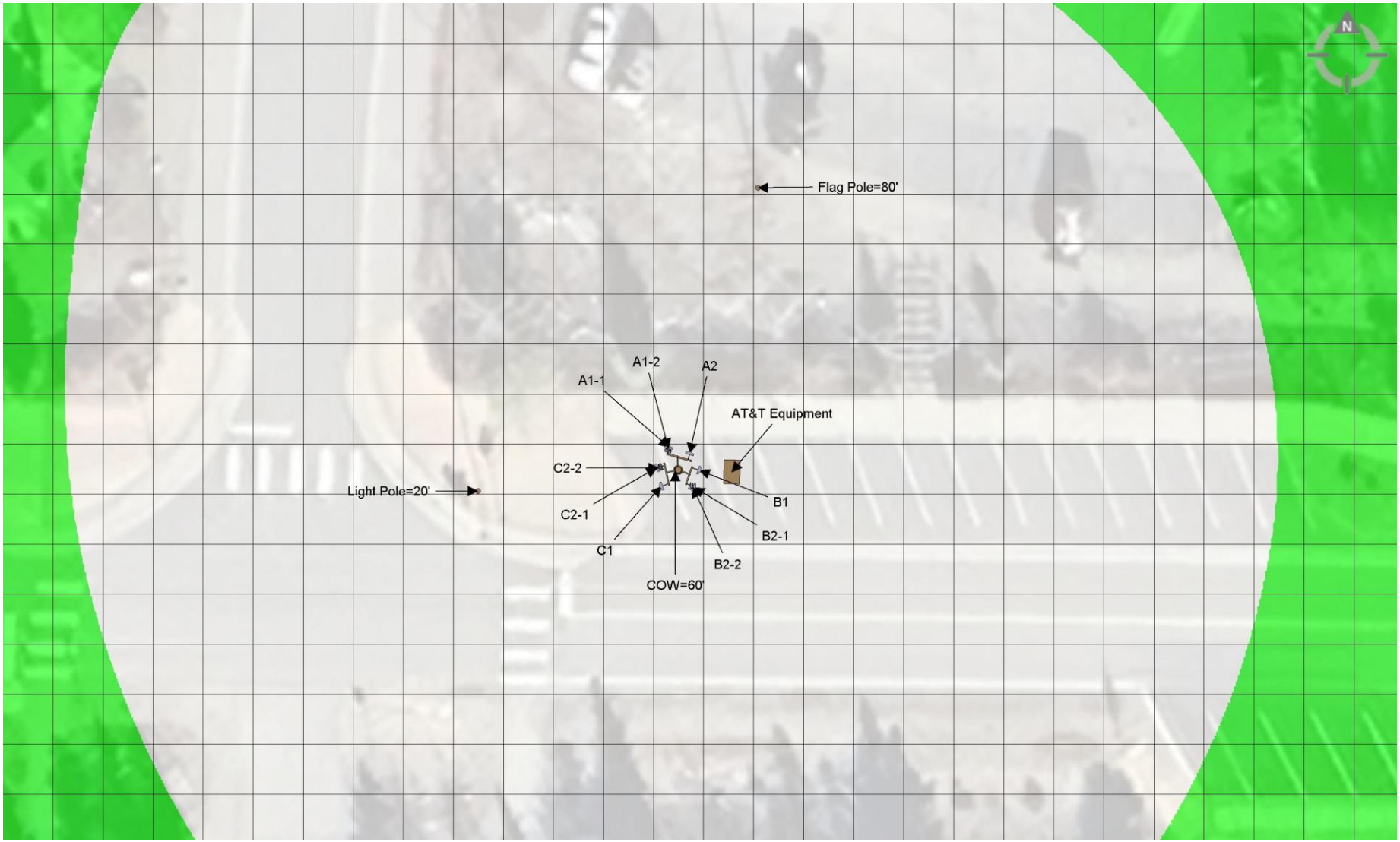
Proposed Barrier
Proposed Posts

% of FCC General Public Exposure Limit (Predictive Spatial Average)

Non-Simulated	0-5	5-100	100-500	500-5000	>5000

Grid Scale = 10 ft

4.6 Predictive Cumulative MPE Contribution from All Sources at Ground Level (0 ft. AGL)



Max. Predictive Spatial Average MPE% = **18.65%**

Proposed Barrier
Proposed Posts

% of FCC General Public Exposure Limit (Predictive Spatial Average)

Non-Simulated	0-5	5-100	100-500	500-5000	>5000

Grid Scale = 10 ft

5. Statement of Compliance

5.1 Statement of AT&T Mobility Compliance

At the time of our Analysis, AT&T Mobility is required to take action to fulfill their Obligations to comply with the FCC's mandate as defined in OET-65.

Recommendations

Disclaimer:

Initial recommended power reduction values are for reference only and should not be implemented without ATT RF Design & Optimization team's approval to determine what technology(s)/spectrum(s) power reduction levels should be allowed to ensure RF Safety Compliance.

IF RF Design/Optimization teams do not approve the initial reference values recommended then they will need to provide power reduction range(s) or other RF design change(s) per sector/band to be incorporated into new MPE analysis.

AT&T Mobility Alpha Sector:

- **To mitigate Excess MPE on <u>Flag Pole</u>**, choose any of the option(s) listed below:

  - **<u>Option-1:</u>** Implement Two Notice "2D Adjacent" Signs (back-to-back) on **Flag Pole** by AT&T in agreement with LL. The Notice "2D Adjacent" Signs must specify that "No work **<u>28</u>** feet above ground level unless trained in RF safety" as shown in "Recommendations Map – Detailed View" on page 15. (2 Total Signs)
    - Bottom Safe Distance = **<u>28</u>** ft. AGL (RF Safety training required above this point)
    - Top Safe Distance = **<u>56</u>** ft. AGL (RF Safety training required below this point)

  - **<u>Option-2:</u>** follow below listed action(s):

Scenario	Site ID/Site Name	FA Code	USID	RFDS ID	Duty Cycle	Sector	Antenna ID	Freq Band (MHz)	Current Azimuth (Deg)	Proposed Azimuth (Deg)	EDT (Deg)	MDT (Deg)	Max Rated RRH Power (W)	Max Rated RRH Power (dBm)	Jumper Loss (dB)	SXM Loss (dB)	AFTRCC Loss (dB)	WCS RRH ATTEN	FRP Loss (dB)	Indoor Loss (dB)	Proposed Atten (dB)	Req'd PMAX (dBm)	Req'd PMAX (Watts)	Object MPE Exceeded	Current Pwr Config @ Object MPE%	Proposed Pwr Config @ Object MPE%	MIMO
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A1-1	700(B14)	15	15	2 - 8	0	160	52.04	0.5							52.04	160.00	Flag Pole	211.37%	95.18%	4T4R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A1-1	700(B29)	15	15	2 - 8	0	80	49.03	0.5							OFF		Flag Pole	211.37%	95.18%	OFF
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A1-2	3450	15	15	-	0	220	53.42	0						14.0	39.42	8.76	Flag Pole	211.37%	95.18%	64T64R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A1-2	3840	15	15	-	0	180	52.55	0						14.0	38.55	7.17	Flag Pole	211.37%	95.18%	64T64R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A2	700(B12)	15	15	2 - 8	0	160	52.04	0.5							52.04	160.00	Flag Pole	211.37%	95.18%	4T4R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A2	850	15	15	2 - 8	0	160	52.04	0.5							52.04	160.00	Flag Pole	211.37%	95.18%	4T4R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A2	1900	15	15	2 - 8	0	160	52.04	0.5							52.04	160.00	Flag Pole	211.37%	95.18%	4T4R
1	FRISCO_TEMP_RELO_COW	10093711	507641	NA	75%	A	A2	2100	15	15	2 - 8	0	160	52.04	0.5						3.0	49.04	80.19	Flag Pole	211.37%	95.18%	4T4R

AT&T Mobility Beta Sector:

- No actions required.

AT&T Mobility Gamma Sector:

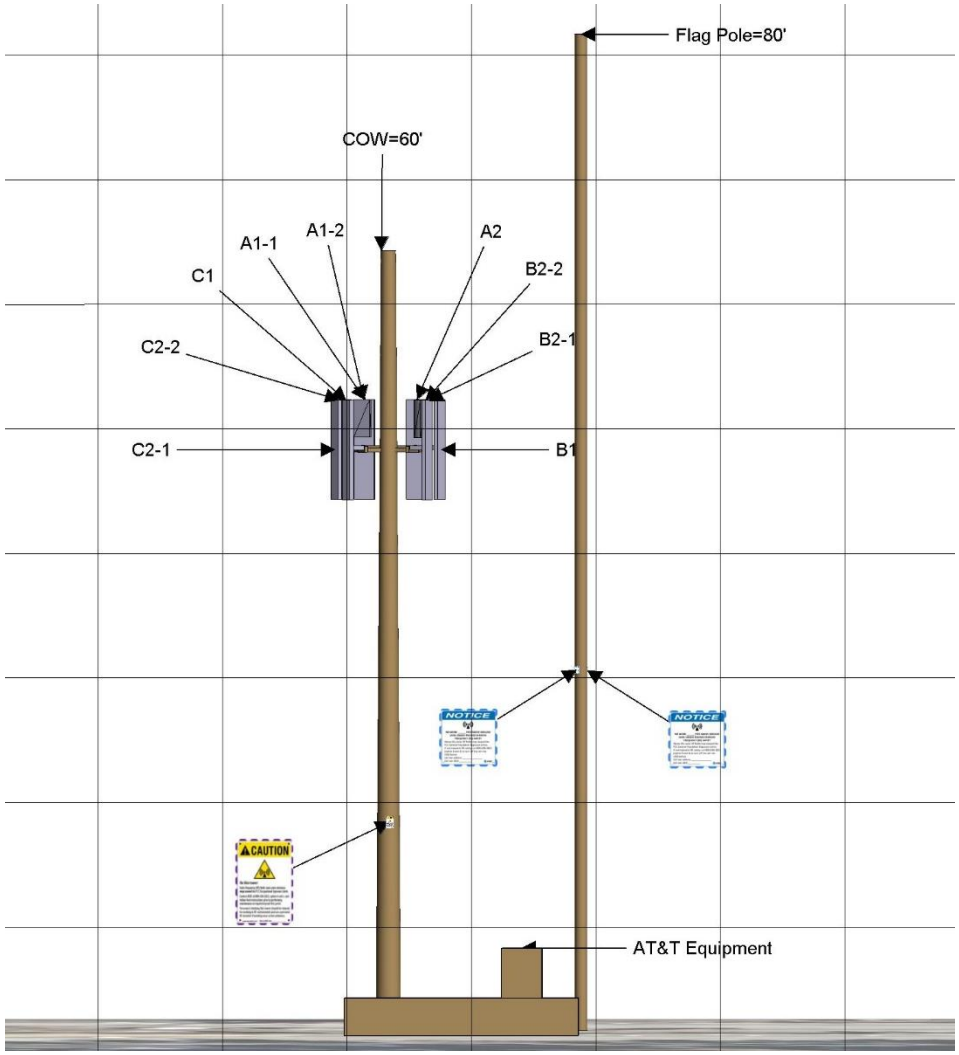
- No actions required.

COW:

- One Caution 2B Sign to be posted on the COW at the climbing access, facing outwards so approaching people can see as shown in “Recommendations Map – Detailed View” on page 15. (1 Total Sign)

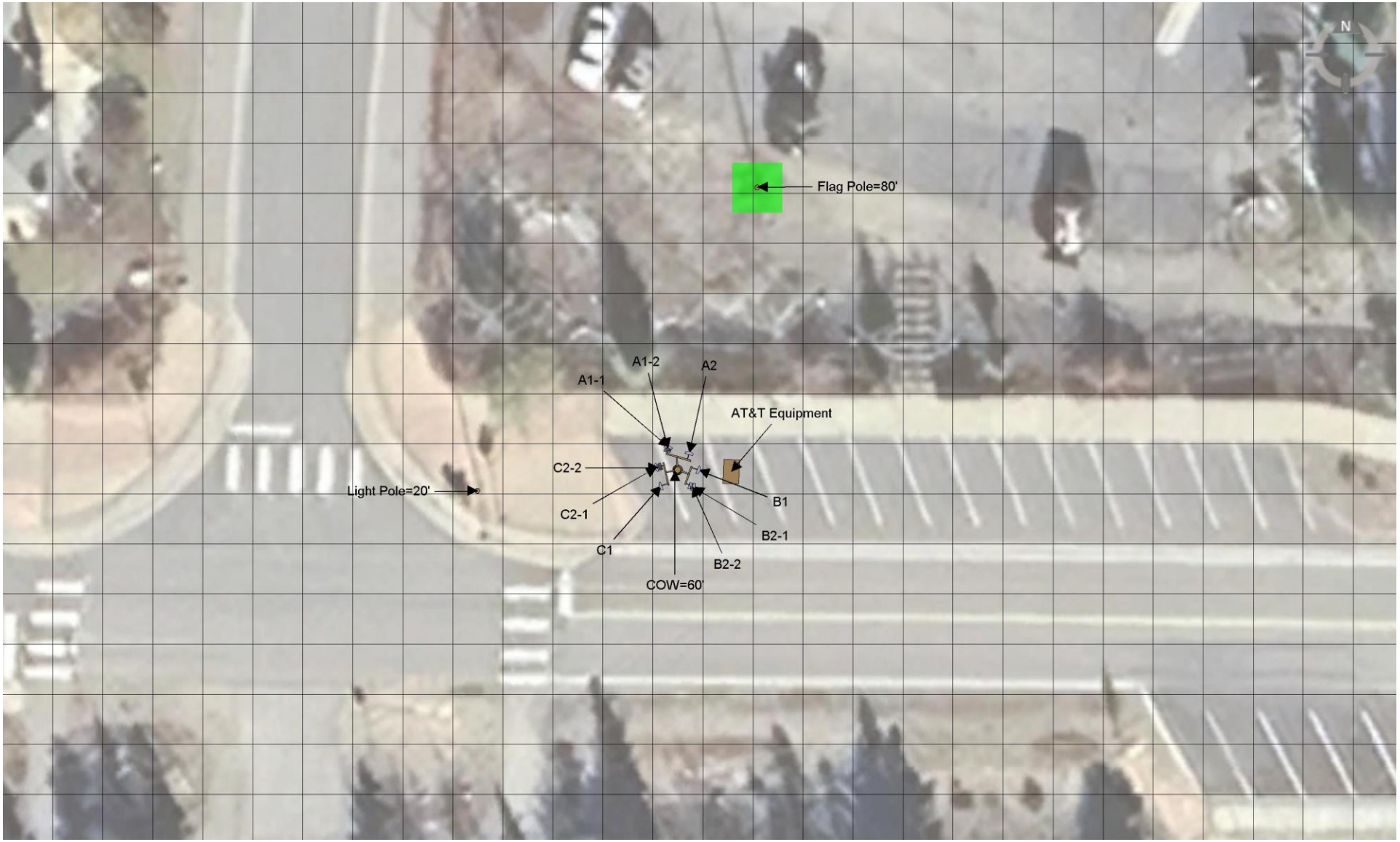
Recommendations Map - Detailed View

COW & Flag Pole



Proposed	Proposed Signage													
Barrier ------	Safety Instructions	Notice 2	Notice 2D Adjacent	Caution 2	Caution 2A	Caution 2B	Caution 2C	Caution 2D Adjacent	Caution 7"x7"	Warning 1B	Warning 2A	RF Exposure Map	Lock	*Grid Scale = 10 ft*
Posts ●														

Predictive Cumulative RF Exposure from ALL Sources AFTER implementing Option-2 at Sector A:



Proposed Barrier
Proposed Posts

% of FCC General Public Exposure Limit (Predictive Spatial Average)

Non-Simulated	0-5	5-100	100-500	500-5000	>5000

Map Scale = 10 ft

Appendix A – Statement of Limiting Conditions

General Model Assumptions

In this site compliance report, it is assumed that all antennas are operating at full power at all times. AT&T has further recommended to assume a 75% duty cycle of maximum radiated power for all LTE & 5G carriers.

AT&T recommended to consider - For C-BAND and/or DoD AAS antenna(s) 75% TDD duty Cycle & 0.32 Power Reduction factor are used to calculate Transmitter Power & ERP/EiRP.

AT&T recommended to use worst-case tilts for the simulations. A small EDT range (e.g. +/-1 or +/-2 of given EDT) is also considered at applicable sites as per market specific guidelines.

Power Reduction Factor: IEC Standard 62232: 2017 allows for a statistically conservative power density model to more realistically define the RF exposure area. AT&T recommends a "0.32" factor to calculate the "Actual Maximum" (time averaged) power value, which accounts for "Beam Scanning," "Scheduling," and "RBS Utilization" This recommended value is a conservative figure modelled and supported by other vendors and through measurements published in scientific articles and white papers by IEEE and others. Those publication are listed below:

1. IEEE Access, Time-Averaged Realistic Maximum Power Levels for the Assessment of RF Exposure for 5G Radio Base Stations Using Massive MIMO (Published Sept. 18, 2017 / BJÖRN THORS, ANDERS FURUSKÄR, DAVIDE COLOMBI, AND CHRISTER TÖRNEVIK)
2. IEEE Explore, A Statistical Approach for RF Exposure Compliance Boundary Assessment in Massive MIMO Systems (Published Jan. 25, 2018 / Paolo Baracca, Andreas Weber, Thorsten Wild, Christophe Grangeat)
3. IEEE Access, In-situ Measurement Methodology for the Assessment of 5G NR Massive MIMO Base Station Exposure at Sub-6 GHz Frequencies (Published Dec. 20, 2019 / SAM AERTS, LEEN VERLOOCK, MATTHIAS VAN DEN BOSSCHE, DAVIDE COLOMBI, LUC MARTENS, CHRISTER TÖRNEVIK AND WOUT JOSEPH)
4. Applied Sciences, Analysis of the Actual Power and EMF Exposure from Base Stations in a Commercial 5G Network (Published July 30, 2020 / Davide Colombi, Paramananda Joshi, Bo Xu, Fatemeh Ghasemifard, Vignesh Narasaraju and Christer Törnevik)
5. Ofcom Technical Report, Electromagnetic Field (EMF) measurements near 5G mobile phone base stations (Published Feb. 21, 2020 / Davide Colombi, Paramananda Joshi, Bo Xu, Fatemeh Ghasemifard, Vignesh Narasaraju and Christer Törnevik)

MobileComm believes these areas to be safe for entry by occupationally trained personnel utilizing appropriate personal protective equipment (in most cases, a personal monitor). Thus, at any time, if power density measurements were made, we believe the real time measurements would indicate levels below those depicted in the RF emission diagram(s) in this report. By modelling in this way, MobileComm has conservatively shown exclusion areas – areas that should not be entered without the use of a personal monitor, carriers reducing power, or performing real-time measurements to indicate real-time exposure levels.

Use of Generic Antennas

For the purposes of this report, the use of "Generic" as an antenna model, or "Other Carrier" for an operator means the information about a carrier, their FCC license and/or antenna information was not provided and could not be obtained while on site. In the event of unknown information, MobileComm will use our industry specific knowledge of equipment, antenna models, and transmit power to model the site. Information about similar facilities is used when the service is identified and associated with a particular antenna. If no information is available regarding the transmitting service associated with an unidentified antenna, using the antenna manufacturer's published data regarding the antenna's physical characteristics makes more conservative assumptions.

Where the frequency is unknown, MobileComm uses the closest frequency in the antenna's range that corresponds to the highest Maximum Exposure Limit (MPE), resulting in a conservative analysis.

3D Modeling

The 3D models in this report are created on a best-effort basis using available data sources, including construction drawings and Google Earth 3D/2D. While MobileComm strives for accuracy, MobileComm makes no warranties regarding completeness or precision. MobileComm is not liable for errors arising from data source inaccuracies. This report is for RF exposure analysis and compliance assessment only.

Appendix B – FCC Guidelines and Emissions Threshold Limits

All power density values used in this report were analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (µW/cm2).The number of µW/cm2 calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General Population/Uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter (µW/cm2). The general population exposure limit for the 700 and 800 MHz Bands is approximately 467 µW/cm2 and 567 µW/cm2 respectively, and the general population exposure limit for the 1900 MHz PCS and 2100 MHz AWS bands is 1000 µW/cm2. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure, have been properly trained in RF safety and can exercise control over their exposure. Occupational/Controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure, have been trained in RF safety and can exercise control over his or her exposure by leaving the area or by some other appropriate means. The Occupational/Controlled exposure limits all utilized frequency bands is five (5) times the FCC's General Public / Uncontrolled exposure limit.

Additional details can be found in FCC OET 65.

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

Appendix C – Rules & Regulations

Explanation of Applicable Rules and Regulations

FCC has set forth guidelines in OET Bulletin 65 for human exposure to radio frequency electromagnetic fields. Currently, there are two different levels of MPE - General Public MPE and Occupational MPE. An individual classified as Occupational can be defined as an individual who has received appropriate RF training and meets the conditions outlined below. General Public is defined as anyone who does not meet the conditions of being Occupational. FCC Rules and Regulations define compliance in terms of total exposure to total RF energy, regardless of location of or proximity to the sources of energy.

It is the responsibility of all licensees to ensure these guidelines are maintained at all times. It is the ongoing responsibility of all licensees composing the site to maintain ongoing compliance with FCC rules and regulations.

A building owner or site manager can use this report as part of an overall RF Health and Safety Policy. It is important for building owners/site managers to identify areas in excess of the General Population MPE and ensure that only persons qualified as Occupational are granted access to those areas.

Occupational Environment Explained

The FCC definition of Occupational exposure limits apply to persons who:

• are exposed to RF energy as a consequence of their employment;

• have been made aware of the possibility of exposure; and

• can exercise control over their exposure.

FCC guidelines go further to state that persons must complete RF Safety Awareness training and must be trained in the use of appropriate personal protective equipment.

In order to consider this site an Occupational Environment, the site must be controlled to prevent access by any individuals classified as the General Public. Compliance is also maintained when any non-occupational individuals (the General Public) are prevented from accessing areas indicated as Red or Yellow in the attached RF Emissions diagram. In addition, a person must be aware of the RF environment into which they are entering. This can be accomplished by an RF Safety Awareness class, and by appropriate written documentation such as this Site Compliance Report.

Appendix D – General Safety Recommendations

The following are general recommendations appropriate for any site with accessible areas in excess of 100% General Public MPE. These recommendations are not specific to this site. These are safety recommendations appropriate for typical site management, building management, and other tenant operations.

1. All individuals needing access to the main site should be instructed to read and obey all posted placards and signs.

2. The site should be routinely inspected and this or similar report updated with the addition of any antennas or upon any changes to the RF environment including:

• adding new antennas that may have been located on the site

• removing of any existing antennas

• changes in the radiating power or number of RF emitters

3. Post the appropriate SAFETY INSTRUCTIONS, NOTICE, CAUTION & WARNING sign at the main site access point(s) and other locations as required. Note: Please refer to RF Exposure Diagrams in Appendix B, to inform everyone who has access to this site that beyond posted signs there may be levels in excess of the limits prescribed by the FCC. The signs below are examples of signs meeting FCC guidelines.

4. Ensure that the site door remains locked (or appropriately controlled) to deny access to the general public if deemed as policy by the building/site owner.

5. For a General Public environment the five color levels identified in predicted RF emission diagram can be interpreted in the following manner:

- *White represents areas predicted to be greater than or equal to 0% and less than 5% of the MPE general public limits*
- *Green represents areas predicted to be greater than or equal to 5% and less than 100% of the MPE general public limits*
- *Blue represents areas predicted to be greater than or equal to 100% and lesser than 500% of the MPE general public limits.*
- *Yellow represents areas predicted to be greater than or equal to 500% and lesser than 5000% of the MPE general public limits.*
- *Red areas indicates predicted levels greater than or equal to 5000% of the MPE general public limits.*

6. All persons (arborist, landscapers, construction/utility workers, etc.) that are accessing adjacent elevated surfaces that exceed the General Public (GP) limits MPE must be made aware of these potential exceedances and their fields, where applicable.

Appendix E – References

1 - FCC Definition

FCC defines an Occupational or Controlled environment as one where persons are exposed to RF fields as a consequence of their employment and where those persons exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Typical criteria for an Occupational or Controlled environment is restricted access (i.e. locked doors, gates, etc.) to areas where antennas are located coupled with proper RF warning signage.

FCC defines a site as a General Public or Uncontrolled environment when human exposure to RF fields occurs to the general public or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over the exposure. Typical criteria for a General Public or Uncontrolled environment are unrestricted access (i.e. unlocked or no restrictions) to areas where antennas are located without proper RF warning signage being posted.

2 - Physical Testing measurement procedure and Tools

The Narda Broadband Field Meter NBM-550 can make rapid conformance measurements with evaluation in the time domain when used in conjunction EA5091 probe. This probe is a so-called Shaped Probe, i.e. it is frequency weighted so that it automatically takes account of the FCC Occupational limit values. To collect data, the probe is pointed towards the potential source(s) of EME radiation and moved slowly from ground level up to slightly above head height (approx. 6 ft).

Spatial Average Measurement A technique used to average a minimum of ten (10) measurements taken in a ten (10) second interval from zero (0) to six (6) feet. This measurement is intended to model the average energy an average sized human body will absorb while present in an electromagnetic field of energy.

3 - Site Safety Procedures

The following items are general safety recommendations that should be administered on a site by site basis as needed by the carrier.

General Maintenance Work: *Any maintenance personnel required to work immediately in front of antennas and / or in areas indicated as above 100% of the Occupational MPE limits should coordinate with the wireless operators to disable transmitters during their work activities.*

Training and Qualification Verification: *All personnel accessing areas indicated as exceeding the General Population MPE limits should have a basic understanding of EME awareness and RF Safety procedures when working around transmitting antennas. Awareness training increases a workers understanding to potential RF exposure scenarios. Awareness can be achieved in a number of ways (e.g. videos, formal classroom lecture or internet based courses).*

Physical Access Control: Access restrictions to transmitting antennas locations is the primary element in a site safety plan. Examples of access restrictions are as follows:

- Locked door or gate
- Alarmed door
- Locked ladder access
- Restrictive Barrier at antenna locations (e.g. Chain link with posted RF Sign)

RF Signage: *Everyone should obey all posted signs at all times. RF signs play an important role in properly warning a worker prior to entering into a potential RF Exposure area.*

Assume all antennas are active: *Due to the nature of telecommunications transmissions, an antenna transmits intermittently. Always assume an antenna is transmitting. Never stop in front of an antenna. If you have to pass by an antenna, move through as quickly and safely as possible thereby reducing any exposure to a minimum.*

Maintain a 3 foot clearance from all antennas: *There is a direct correlation between the strength of an EME field and the distance from the transmitting antenna. The further away from an antenna, the lower the corresponding EME field is.*

Rooftop RF Emissions Diagram: *Section 4 of this report contains an RF Emissions Diagram that outlines various theoretical Maximum Permissible Exposure (MPE) areas on the rooftop. This analysis is all theoretical and a worst case scenario. This analysis is based on one of two access control criteria: General Public criteria means the access to the site is uncontrolled and anyone can gain access. Occupational criteria means the access is restricted and only properly trained individuals can gain access to the antenna locations.*

4 - Definitions

5% Rule - *The rules adopted by the FCC specify that, in general, at multiple transmitter sites actions necessary to bring the area into compliance with the guidelines are the shared responsibility of all licenses whose transmitters produce field strengths or power density levels at the area in the question in excess of 5% of the exposure limits. In other words, any wireless operator that contributes 5% or greater of the MPE limit in the area corrective actions to bring the site into compliance.*

Compliance- *The determination of whether a site is safe or not with regards to Human Exposure to Radio Frequency Radiation from transmitting antennas.*

Decibel (dB) – *A unit for measuring power or strength of a signal.*

Duty Cycle – *The percent of pulse duration to the pulse period of a periodic pulse train. Also, may be a measure of the temporal transmission characteristic of an intermittently transmitting RF source such as a paging antenna by dividing average transmission duration by the average period for transmission. A duty cycle of 100% corresponds to continuous operation.*

Effective (or Equivalent) Isotropic Radiated Power (EIRP) – *The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna, this product is divided by the cable losses*

Effective Radiated Power (ERP) – *In a given direction, the relative gain of a transmitting antenna with respect to the maximum directivity of a half wave dipole multiplied by the net power accepted by the antenna from the connecting transmitter.*

Gain (of an antenna in dbd) – *The ratio of the maximum intensity in a given direction to the maximum radiation in the same direction from a reference dipole. Gain is a measure of the relative efficiency of a directional antennas as compared to a reference dipole.*

General Population/Uncontrolled Environment – *Defined by the FCC, as an area where RFR exposure may occur to persons who are unaware of the potential for exposure and who have no control of their exposure. General Population is also referenced as General Public.*

Generic Antenna – *For the purposes of this report, the use of "Generic" as an antenna model means the antenna information was not provided and could not be obtained while on site. In the event of unknown information, MobileComm will use our industry specific knowledge of antenna models to select a worst case scenario antenna to model the site.*

Isotropic Antenna – *An antenna that is completely non-directional. In other words, an antenna that radiates energy equally in all directions.*

Maximum Measurement – *This measurement represents the single largest measurement recorded when performing a spatial average measurement.*

Maximum Exposure Limit (MPE) – *The RMS and peak electric and magnetic field strength, their squares, or the plane-wave equivalent power densities associated with these fields to which a person may be exposed without harmful effect and with acceptable safety factor.*

Occupational/Controlled Environment – *Defined by the FCC, as an area where Radio Frequency Radiation (RFR) exposure may occur to persons who are aware of the potential for exposure as a condition of employment or specific activity and can exercise control over their exposure.*

Radio Frequency Radiation – *Electromagnetic waves that are propagated from antennas through space.*

Spatial Average Measurement – *A technique used to average a minimum of ten (10) measurements taken in a ten (10) second interval from zero (0) to six (6) feet. This measurement is intended to model the average energy an average sized human body will absorb while present in an electromagnetic field of energy.*

Transmitter Power Output (TPO) – *The radio frequency output power of a transmitter's final radio frequency stage as measured at the output terminal while connected to a load.*

Appendix F – Proprietary Statement

This report was prepared for the use of AT&T Mobility, LLC to meet requirements specified in AT&T's corporate RF safety guidelines. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by MobileComm are based solely on the information provided by AT&T Mobility and all observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to MobileComm so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

101 W MAIN ST (ATT Cell Site) - FRISCO

(Nearest intersection - Creekside Dr)

TRAFFIC CONTROL PLAN - Needed (Shoulder)

PERMIT - Needed

RESTO - Not Needed

EDU - TEMP TRANSFORMER: (200AMP - 120/240 - 1PH)

- Install 25 KVA (25B 227 056) staked by customer. Door facing East.
- Install 255'' of #1 SOL AL from open phase in SWC 65-30 to new transformer
- 230' of Marking tape and tracer wire, 95% mod compaction for trench
- (1) Fiberglass base
- (1) Padlock
- (1) Snow Marker

*** Removal of temp transformer accounted for in design and quote

- Xcel to use Backfill on site 36" min and fill with (Class 6) ¾ Select Fill

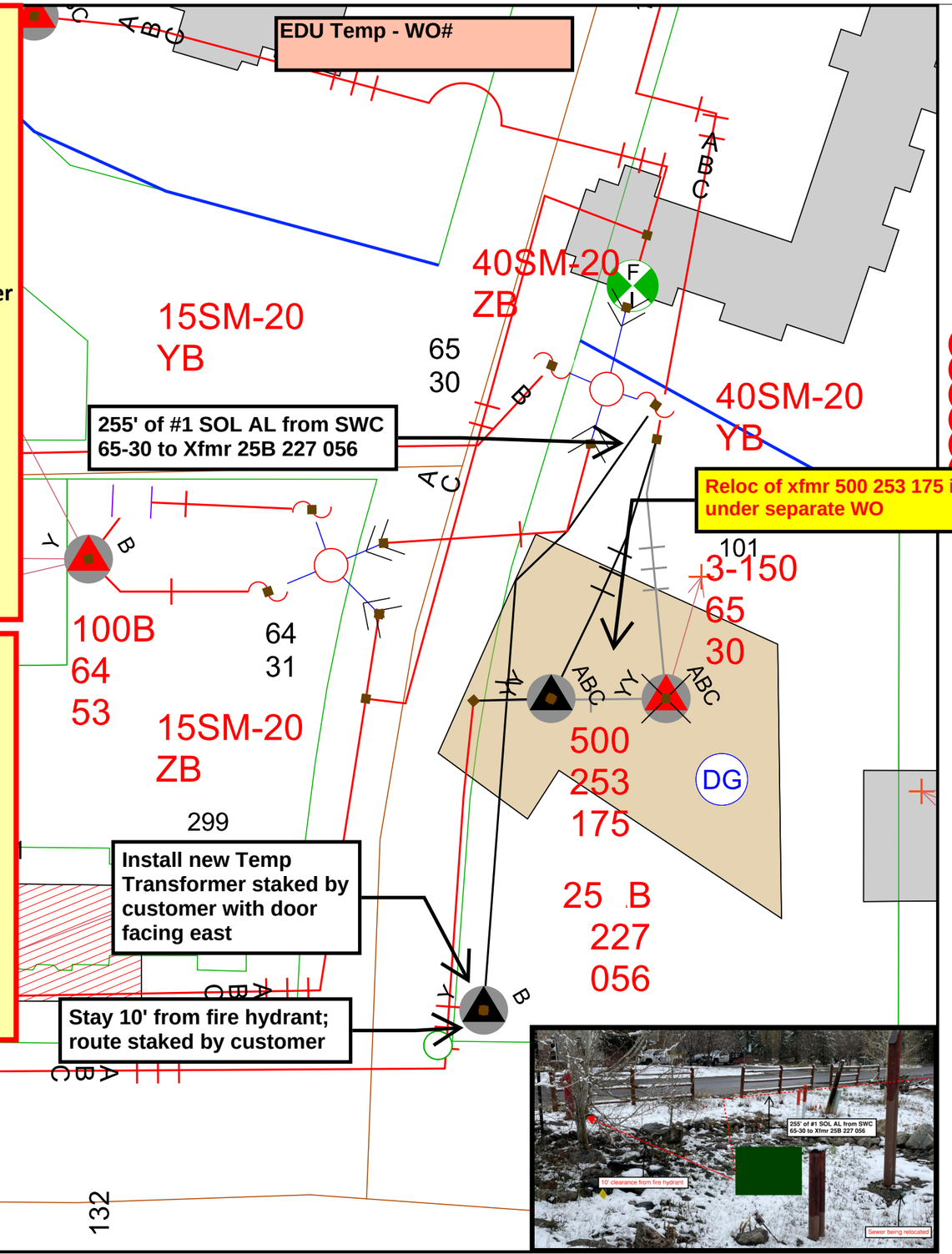
- Note: Any changes to design require prior approval from the design department

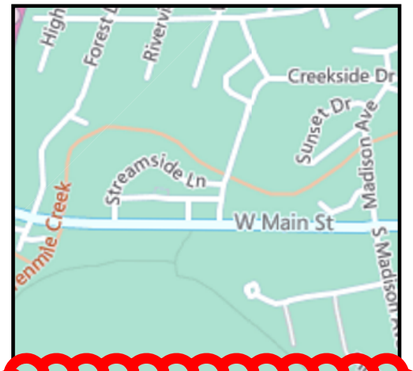
Customer Responsibility on Site:

- Site must be within +/-6” of final grade ; flat compact pad for transformer.
- Customer to stake Transformer site and primary route to ensure required clearances from other utilities and structures are met.
- Distribution route must be inside property line outside of ROW
- Refer to contingency for complete list of responsibilities (Additional Requirements can be found in the Standard for Meter Installation Guide 17.1 on www.Xcelenergy.com)

CONTACT:TROY BOSWORTH 385-253-3112
tb1243@att.com

DESIGNER: Julie Gittins 970-409-7613
Julie.K.Gittins@xcelenergy.com





Customer Signature:

Date:

Work Order Information

Service Request #	:	0000160746222
Design Number	:	1259489
Designer/Planner ID	:	233959
Designer/Planner Name	:	Julie Gittins
Designer/Planner Ph #	:	970-409-7613
Manager Approval	:	

Joint Utility

E: XCEL G:

T: C:

Design Location

Division	:	MOUNTAIN REGION
County	:	SUMMIT
City	:	FRISCO
Address	:	101/103 W Main ST - ATT Temp xfmr

T: 5S R: 78W S: 34

Map # : 1827634 02 Permit : N/A

Electric

Feeder: SUMM2605M Voltage: 14.4/24.9

Phase: B Bkup Dev ID:

Gas

System : Pressure :

Size : Material :

Dead End :

Work Order # :

Date: 04/16/2026

Sketch: #1 Of #1 Sketch Data

Scale: 1" equals 48'

Xcel Energy®

CONSTRUCTION USE ONLY

☐ NO CHANGES (BUILT AS DESIGNED)

☐ CHANGES MADE AS INDICATED (ALL URD MUST HAVE ACTUAL MEASUREMENTS FROM THE FIELD SITE)

RFO_____

FOREMAN _____ DATE _____

TEAM LEADER _____

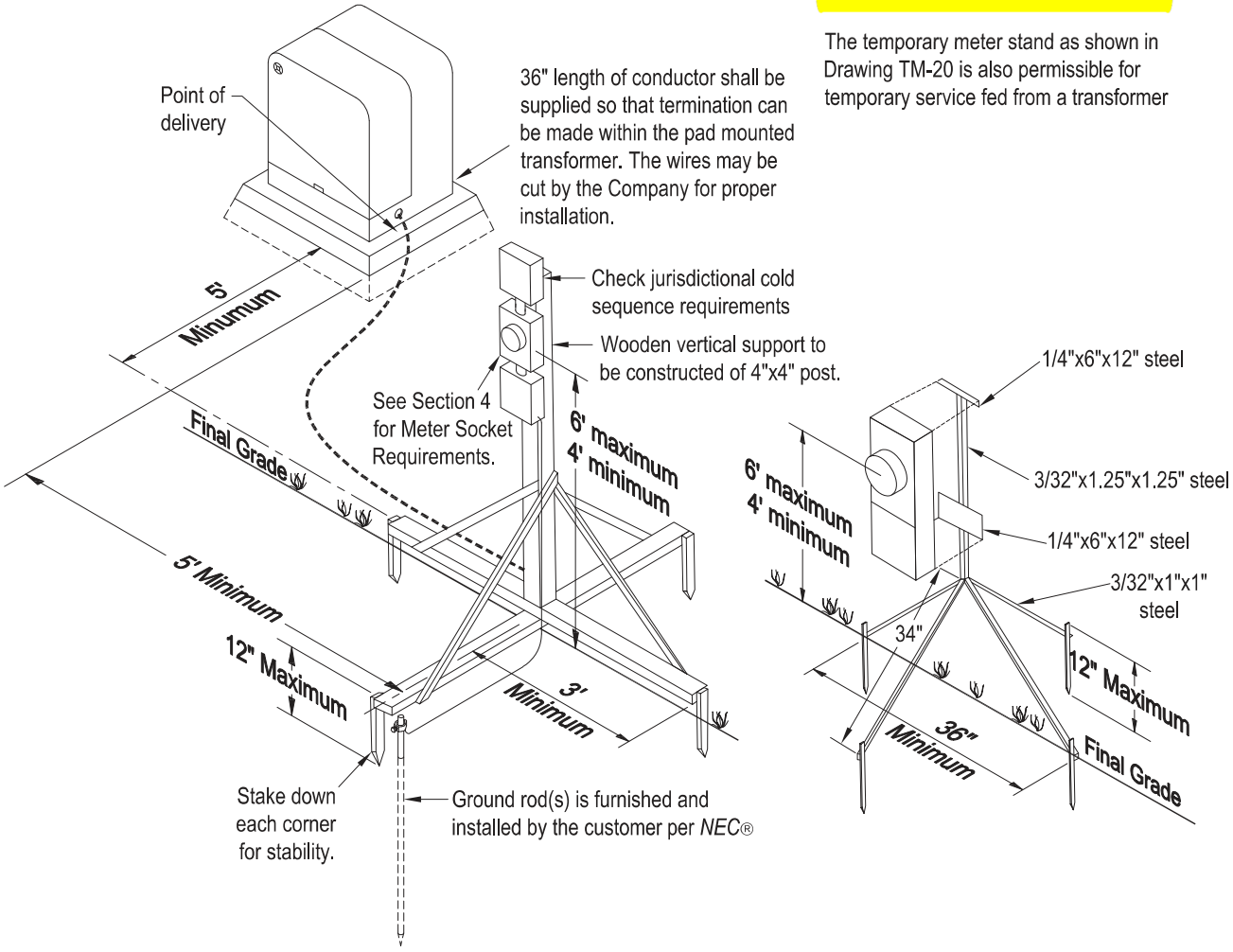
DRAWING TM-30

TEMPORARY SERVICE INSTALLATION FROM AN UNDERGROUND SECONDARY SUPPLY
Services up to 320 amp 1Ø-3Ø
Commercial Service

Temporary service Installations subject to cold sequence requirements

The installation shall be outside utility easement and shall be installed on the property that is under development

The temporary meter stand as shown in Drawing TM-20 is also permissible for temporary service fed from a transformer



Service address shall be prominently displayed on the temporary service installation.

Notes:

1. Entry into pad mounted transformer shall be made by Company.
2. Installation and burial depth of direct buried service conductors shall be per the NEC.
3. As an alternative between the utility equipment and the meter housing, 3 - #6 minimum insulated conductors can be run in a liquid tight flexible nonmetallic conduit with 1-1/2" liquid tight box connectors. The maximum length of the conduit run should be 12 ft. and placed in an area protected from vehicular traffic and mechanical damage.

PROJECT TEAM

APPLICANT:	
COMPANY:	AT&T
ADDRESS:	7670 S CHESTER STREET
CITY, STATE, ZIP:	CENTENNIAL, CO 80112
CONTACT:	BECKY JOHN-HANEY
PHONE:	(720) 480-6429
EMAIL:	BJ739H@ATT.COM
PROJECT MANAGEMENT:	
COMPANY:	AT&T
ADDRESS:	7670 S. CHESTER STREET
CITY, STATE, ZIP:	CENTENNIAL, CO 80112
CONTACT:	TROY BOSWORTH
PHONE:	(385) 253-3112
EMAIL:	FD1733@ATT.COM
SITE ACQUISITION:	
COMPANY:	SMARTLINK LLC
ADDRESS:	1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
CITY, STATE, ZIP:	ANNAPOLIS, MD 21401
CONTACT:	AUDRA KIRK
PHONE:	(720) 331-0822
EMAIL:	AUDRA.KIRK@SMARTLINKGROUP.COM
RF ENGINEER:	
COMPANY:	AT&T MOBILITY SERVICES LLC
ADDRESS:	7670 S. CHESTER STREET
CITY, STATE, ZIP:	CENTENNIAL, CO 80112
CONTACT:	TROY JOHNSON
PHONE:	(720) 244-1913
EMAIL:	TJ184M@ATT.COM
CONSTRUCTION MANAGER:	
COMPANY:	AT&T
ADDRESS:	7670 S CHESTER STREET
CITY, STATE, ZIP:	CENTENNIAL, CO 80112
CONTACT:	REID POST
PHONE:	(303) 547-5339
EMAIL:	RP836C@ATT.COM
A&E:	
COMPANY:	CCI SYSTEMS
ADDRESS:	105 KENT STREET
CITY, STATE, ZIP:	IRON MOUNTAIN, MI 49801
CONTACT:	BRIAN HORTON
PHONE:	(301) 842- 4263
EMAIL:	BRIAN.HORTON@CCISYSTEMS.COM

PROJECT INFORMATION

SITE ADDRESS:	103 WEST MAIN STREET FRISCO, CO 80443
STRUCTURE TYPE:	COW (TEMPORARY TOWER)
SITE TYPE:	AT&T TEMPORARY TOWER LOCATION
LATITUDE (NAD 83):	39° 34' 31.116" N | 39.57531°
LONGITUDE (NAD 83):	106° 06' 23.2194" W | -106.10645°
GROUND ELEVATION:	±9096'
TOWER OWNER:	AT&T
PROPERTY OWNER:	NHP FOUNDATION 122 EAST 42 STREET, SUITE 4900 NEW YORK, NEW YORK 10168
CONTACT:	KRIS VALDEZ KRISV@TOWNOFFRISCO.COM 970-668-9121
PARCEL NUMBER (APN):	LOT B-1
OCCUPANCY GROUP:	---
COUNTY:	SUMMIT COUNTY
ZONING/JURISDICTION:	TOWN OF FRISCO
CURRENT ZONING:	MU - PUD AREAS
ZONING DESIGNATION:	---
AT&T GROUND LEASE AREA:	676.5 SQ. FT.
PROPOSED USE:	UNMANNED TELECOMMUNICATIONS FACILITY
HANDICAP REQUIREMENTS:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED.

811

Know what's **below.**
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN COLORADO, CALL COLORADO 811

TOLL FREE: 1-800-922-1987 OR www.co811.org

COLORADO STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

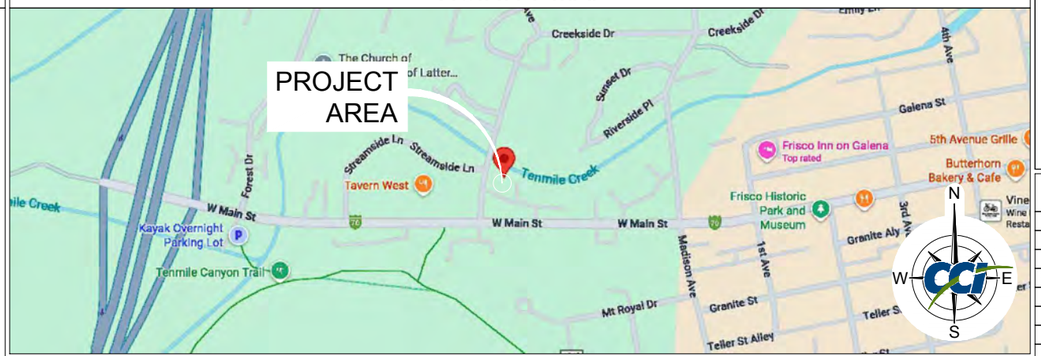
AT&T

PROJECT: AT&T NEW BUILD
SITE #: COL04002
SITE NAME: FRISCO

FA#: 10093711
IWM JOB NAME: FAST TRACK L4L SWAP

PACE #: WSUTH0051653
USID #: 10290
ORACLE PTN #: 3755A1G4KT
SITE ADDRESS: 103 WEST MAIN STREET
FRISCO, CO 80443
IWM JOB #: WSUTH0051653
JURISDICTION: SUMMIT COUNTY

VICINITY MAP



DRIVING DIRECTIONS

FROM DENVER INTERNATIONAL AIRPORT 8500 PEÑA BLVD, DENVER, CO 80249, UNITED STATES

Take E 78th Ave Connector to Peña Blvd. Head east on Peña Blvd. Take the 75th Ave exit. Use the left lane to turn left onto N Gun Club Rd. Turn left onto E 77th Ave. Turn left onto E 78th Ave Connector. Follow I-70 W to I-70BL/W Main St in Summit County. Take exit 201 from I-70 W. Merge onto Peña Blvd. Use the left 2 lanes to merge onto I-70 W toward Denver. Continue straight to stay on I-70 W. Take exit 201 for Main St toward Frisco. Continue on I-70BL/W Main St to your destination in Frisco. Turn left onto I-70BL/W Main St. Turn left onto Creekside Dr. Turn right. Turn left, Frisco west professional Center 101 W Main St, Frisco, CO 80443

BUILDING CODES

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE FOLLOWING CODES.

APPLICABLE CODE: INTERNATIONAL BUILDING CODE, 2021 EDITION (IBC)
INTERNATIONAL MECHANICAL CODE, 2021 EDITION (IMC)
NATIONAL ELECTRICAL CODE, 2020 EDITION (NEC)
LIGHTNING PROTECTION CODE: NFPA 780 - 2000, LIGHTNING PROTECTION CODE

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES: TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT
IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS
TELCORDIA GR-1503, COAXIAL CABLE CONNECTIONS ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

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

APPROVALS

AT&T (RF): _____ DATE: _____

AT&T(CONST): _____ DATE: _____

AT&T(SAM): _____ DATE: _____

PROPERTY OWNER: _____ DATE: _____

PROJECT SCOPE

☐ 1C ☐ 2C ☐ 3C ☐ 4C ☐ 5C ☐ 6C

☐ 2ND RRU ADD ☒ RRU SWAP

RFDS ID: RFDS-3248

PROJECT DESCRIPTION

THIS PROJECT WILL BE COMPRISED OF:

PROPOSED AT 60' MONOPOLE (COW):

- PROPOSED (3) ANTENNAS, COMMSCOPE NNH4-65C-R6 (1 PER SECTOR)
- PROPOSED (3) ANTENNAS, COMMSCOPE NNH4-65C-R6-UPM-V2 (1 PER SECTOR)
- PROPOSED (3) RRHs, ERICSSON 4490 B5/B12A (1 PER SECTOR)
- PROPOSED (3) RRHs, ERICSSON 4890 B25/B66 (1 PER SECTOR)
- PROPOSED (3) RRHs, ERICSSON 4494 B14/B29 (1 PER SECTOR)
- PROPOSED (3) RAYCAP DC6-48-60-18-8C-EV (1 PER SECTOR)
- PROPOSED (3) T-ARM PLATFORM 36" MOUNT

PROPOSED AT&T GROUND SCOPE OF WORK:

- PROPOSED (1) AT&T 60' MONOPOLE (COW)
- PROPOSED (1) AT&T EQUIPMENT 5' X 7' PLATFORM, MTC4045
- PROPOSED (1) 3-BAY WUC CABINET
- PROPOSED (1) AT&T GPS ANTENNA
- PROPOSED FIBER SERVICE WITH PROPOSED TELCO BOX
- PROPOSED AT&T PLATFORM H-FRAME KIT, MTC4045HF
- PROPOSED AT&T JERSEY BARRIERS, 2001M, YODOCK

NOTE:

- THE AREA UNDER THE TOWER IS TO BE BROUGHT TO LEVEL GRADE.

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AT&T
161 INVERNESS DRIVE W, 2ND FLOOR
ENGLEWOOD, CO 80112

smartlink
1997 ANNAPOLIS EXCHANGE PARKWAY, SUITE 200
ANNAPOLIS, MD 21401

CCI systems

DRAWING SCALES ARE INTENDED FOR 11"x17" SIZE PRINTED MEDIA ONLY.

SUBMITTALS

REV	DESCRIPTION	DATE	DRN BY:	REV BY:	APP BY:
A	90% COMPLETE CD	01/21/2026	JED	OAM	MJC
B	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
0	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
1	100% COMPLETE CD	04/09/2026	JED	OAM	MJC

COLORADO LICENSED
MATTHEW JOHN CHASE
47078
PROFESSIONAL ENGINEER
04/17/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

TITLE

SHEET NO.

T-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

GENERAL NOTES

1. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
2. THE CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES AS THEY MAY BE DISCOVERED IN THE PLANS, SPECIFICATIONS, AND NOTES PRIOR TO STARTING CONSTRUCTION. INCLUDING BUT NOT LIMITED BY DEMOLITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ERRORS, OMISSION, OR INCONSISTENCY AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT /ENGINEER AND SHALL INCUR ANY EXPENSES TO RECTIFY THE SITUATION. THE METHOD OF CORRECTION SHALL BE APPROVED BY THE ARCHITECT/ENGINEER.
3. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR HAS THE RESPONSIBILITY TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR OR SUBCONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGE TO THE UTILITIES CAUSED DURING THE EXECUTION OF THE WORK.
4. A COPY OF THE APPROVED PLANS SHALL BE KEPT IN A PLACE SPECIFIED BY THE GOVERNING AGENCY, AND BY LAW SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE ALL CONSTRUCTION SETS REFLECT THE SAME INFORMATION AS THE APPROVED PLANS. THE CONTRACTOR SHALL ALSO MAINTAIN ONE SET OF PLANS AT THE SITE FOR THE PURPOSE OF DOCUMENTING ALL AS-BUILT CHANGES, REVISIONS, ADDENDUMS, OR CHANGE ORDERS. THE CONTRACTOR SHALL FORWARD THE AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER AT THE CONCLUSION OF THE PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE FROM START OF PROJECT TO COMPLETION OF PROJECT.
6. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY POWER, WATER, AND TOILET FACILITIES.
7. ALL CONSTRUCTION THROUGH THE PROJECT SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE AND ALL THE OTHER LATEST GOVERNING CODES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON NOR PROVIDE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.
9. THE CONTRACTOR SHALL SUPERVISE AND COORDINATE ALL WORK, USING HIS PROFESSIONAL KNOWLEDGE AND SKILLS. HE IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCING AND COORDINATING ALL PORTIONS OF THE WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS WITH RESPECT TO THE WORK TO COMPLETE THE PROJECT. BUILDING PERMIT APPLICATIONS SHALL BE FILED BY THE OWNER OR HIS REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT AND MAKE FINAL PAYMENT OF SAID DOCUMENT.
11. ALL DIMENSIONS TAKE PRECEDENCE OVER SCALE UNLESS NOTED OTHERWISE.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR SUPPORTS FOR INSTALLATION OF ITEMS INDICATED ON THE DRAWINGS.
13. THE CONTRACTOR SHALL PROVIDE THE FIRE MARSHALL APPROVED MATERIALS TO FILL/SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES.
14. NEW CONSTRUCTION ADDED TO EXISTING CONSTRUCTION SHALL BE MATCHED IN FORM, TEXTURE, MATERIAL AND PAINT COLOR UNLESS NOTED OTHERWISE IN THE PLANS.
15. WHERE SPECIFIED, MATERIALS TESTING SHALL BE TO THE LATEST STANDARDS AVAILABLE AS REQUIRED BY THE LOCAL GOVERNING AGENCY RESPONSIBLE FOR RECORDING THE RESULTS.
16. ALL GENERAL NOTES AND STANDARD DETAILS ARE THE MINIMUM REQUIREMENTS TO BE USED IN CONDITIONS WHICH ARE NOT SPECIFICALLY SHOWN OTHERWISE.
17. ALL DEBRIS AND REFUSE IS TO BE REMOVED FROM THE PROJECT DAILY. PREMISES SHALL BE LEFT IN A CLEAN BROOM FINISHED CONDITION AT ALL TIMES.
18. ALL SYMBOLS AND ABBREVIATIONS ARE CONSIDERED CONSTRUCTION INDUSTRY STANDARDS. IF A CONTRACTOR HAS A QUESTION REGARDING THEIR EXACT MEANING THE ARCHITECT/ENGINEER SHALL BE NOTIFIED FOR CLARIFICATIONS.
19. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
20. CONTRACTORS SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
21. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSION, ELEVATION, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTION OF THE WORK TO THE EXISTING WORK. THE CONTRACTOR SHALL MAKE ALL MEASUREMENTS NECESSARY FOR FABRICATION AND ERECTION OF STRUCTURAL MEMBERS. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT /ENGINEER.
22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND SHALL BE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
24. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT/ENGINEER. UNAUTHORIZED CHANGES RENDER THESE DRAWINGS VOID.
25. ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.
26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK. GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND WITHIN THE CONTRACT DOCUMENTS, PRIOR TO STARTING WORK.

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AS WELL AS WITH ALL LOCAL, STATE, AND NATIONAL CODES, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS/HER BID, THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE INTENT OF THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
3. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
4. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER, AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
5. EACH END OF EVERY POWER, GROUNDING, CONTROL AND ALARM CONDUCTOR AND CABLE SHALL BE LABELED OR IDENTIFIED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
6. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES.
7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, UNLESS OTHERWISE NOTED AND COORDINATED WITH THE GENERAL CONTRACTOR.
8. POWER AND EQUIPMENT GROUND WIRING SHALL BE 12 AWG OR LARGER, 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
9. CONTROL AND ALARM WIRING SHALL BE COPPER, 300V OR 600V LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
10. UPON COMPLETION OF THE ELECTRICAL WORK, THE INSTALLATION SHALL BE FREE FROM GROUNDS AND SHORT CIRCUITS.
11. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT/ENGINEER UPON COMPLETION OF THE JOB.
12. ALL POWER AND EQUIPMENT GROUND WIRE CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS OR WIRENUTS. LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
13. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
14. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
15. THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS AND/OR SPECIFICATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. PENETRATIONS OF ALL WALLS OR CEILINGS SHALL BE SEALED AND FIRE RATING MAINTAINED IN ACCORDANCE WITH ALL LOCAL AND NATIONAL CODES.
18. SCHEDULE 80 PVC CONDUIT SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
19. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
20. ALL DETAILS/SCHEMATICS SHOWN ARE IN GENERAL TERMS, AND INSTALLATION MAY VARY DUE TO SPECIFIC SITE CONDITIONS.
21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
22. METALLIC CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE, GALVANIZED AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE. MYERS HUBS OR APPROVED LOCKNUTS SHALL BE FITTED AT ALL BOX CONNECTIONS TO MAINTAIN NEC.
23. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
24. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
27. RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE PVC OR GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
29. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.
30. ALL ENTRIES TO EQUIPMENT ASSOCIATED WITH THIS PROJECT SHALL BE SEALED TO KEEP WATER OUT.

SITE PREPARATION NOTES

1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT WOULD BE DAMAGING TO THE FOOTINGS OF THE NEW STRUCTURE.
2. BACK FILLING AT TRENCHES SHALL BE OF CLEAN, STERILE SOIL HAVING A SAND EQUIVALENT OF 30 OR GREATER. BACK FILLING SHALL BE DONE IN 8 INCH LAYERS, MOISTURE CONDITIONED AND PROPERLY COMPACTED. ADEQUATE DRAINAGE SHALL BE PROVIDED SUCH THAT NO PONDING OCCURS.
3. ALL FOUNDATION FOOTINGS SHALL EXTEND INTO AND BEAR AGAINST NATURAL UNDISTURBED SOIL OR APPROVED COMPACTED FILL FOOTINGS SHALL EXTEND INTO SOIL DEPTH AS INDICATED IN PLANS.
4. SHOULD ANY LOOSE FILL, EXPANSIVE SOIL, GROUND WATER OR ANY OTHER UNEXPECTED CONDITIONS BE ENCOUNTERED DURING THE EXCAVATION FOR THE NEW FOUNDATION, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AND ALL FOUNDATION WORK SHALL CEASE IMMEDIATELY.
5. WITHIN AN AREA A MINIMUM OF 5 FEET BEYOND THE BUILDING LIMITS, EXCAVATE A MINIMUM OF 4" OF EXISTING SOIL REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS AND OTHERWISE UNSUITABLE MATERIAL.
6. THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
7. PROOFROLL THE SURFACE OF THE EXPOSED SUBGRADE WITH A LOADED TANDEM AXLE DUMP TRUCK. REMOVE ALL SOILS WHICH PUMP OR DO NOT COMPACT PROPERLY AS DIRECTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY.
8. FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 8" LOOSE LIFTS AND THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-698. COMPACT TO A MINIMUM OF 90% RELATIVE COMPACTION.
9. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING SURFACES, STRUCTURES OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE PROPERTY OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIRING OR REPLACING ANY DAMAGED AREAS.
11. WHEN REQUIRED STORAGE OF MATERIALS OCCURS, THEY SHALL BE EVENLY DISTRIBUTED OVER THE FLOOR OR ROOF SO AS NOT TO EXCEED THE DESIGNED LIVE LOADS FOR THE STRUCTURE. TEMPORARY SHORING OR BRACING SHALL BE PROVIDED WHERE THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.
12. PRIOR TO PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING STRUCTURAL AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACING, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF THE EXISTING WORK IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN.

SUBMITTALS

SUBMITTALS FOR SHOP DRAWINGS, MILL TESTS, PRODUCT DATA, ETC. FOR ITEMS DESIGNED BY THE ARCHITECT/ENGINEER OF RECORD SHALL BE MADE TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW THE SUBMITTAL BEFORE FORWARDING TO THE ARCHITECT/ENGINEER, SUBMITTALS SHALL BE MADE IN ADVANCED TO ARCHITECT/ENGINEER. SUBMITTALS REQUIRED FOR EACH SECTION OF THESE NOTES ARE SPECIFIED IN THAT SECTION.

SHOP DRAWING REVIEW

REVIEW BY THE ARCHITECT/ENGINEER IS FOR GENERAL COMPLIANCE WITH THE DESIGN CONCEPT AND THE CONTRACT DOCUMENTS. MARKINGS OR COMMENTS SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR FROM COMPLIANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, NOR DEPARTURES THEREFROM. THE CONTRACTOR REMAINS RESPONSIBLE FOR DETAILS AND ACCURACY, FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FOR SELECTION FABRICATION PROCESSES.

STRUCTURAL STEEL

1. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
2. ALL FRAMING CONNECTORS SUCH AS CONCRETE ANCHORS, HOLD-DOWNS, POST BASES, FRAMING CAPS, HANGER AND OTHER MISCELLANEOUS STRUCTURAL METALS SHALL BE AS MANUFACTURED BY SIMPSON STRONG TIE CO. OR APPROVED EQUAL
3. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION, WHICH INCLUDES THE SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE CODE OF STANDARD PRACTICE AND THE AWS STRUCTURAL WELDING CODE. IDENTIFY AND MARK STEEL PER C.B.C. SECTION 2203.
4. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ARCHITECT/ENGINEER PRIOR TO FABRICATION.
5. GROUTING Of COLUMN BASE PLATES: BASE PLATES SHALL BE DRYPACKED OR GROUTED WITH NON-SHRINK, NON-FERROUS GROUT. MINIMUM COMPRESSIVE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS. All SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO GROUTING.
6. ALL EXPOSED WELDS SHALL BE FILLED AND GROUND SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.
7. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THRU STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS NOTED OTHERWISE. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THIS ENGINEER.
8. WELDING: CONFORM TO AWS D1 1. WELDERS SHALL BE CERTIFIED IN ACCORDANCE WITH WABO REQUIREMENTS. USE E70 ELECTRODES OF TYPE REQUIRED FOR MATERIALS TO BE WELDED.
9. BOLTING: ASTM A307 BOLTS SHALL BE INSTALLED "SNUG TIGHT" PER AISC. SECTION RCSC B(C) ASTM A325 BOLTS SHALL CONFORM TO THE RCSC SPECIFICATION SECTION B (D).
10. FABRICATION: CONFORM TO AISC SPECIFICATION SEC M2 "FABRICATION" AND AISC CODE SEC 6 "FABRICATION AND DELIVERY" PERFORM WORK ON PREMISES OF A FABRICATOR APPROVED BY THE BUILDING OFFICIAL.
11. GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER ASTM A780/A-780M-20 STANDARDS.

MATERIALS: CONFORM TO

ANCHOR BOLTS (HEADED):	ASTM A307
ANCHOR BOLTS (J-TYPE):	ASTM A36
BARS AND PLATES:	ASTM A36
BOLTS:	ASTM A307
C-, M-, AND ANGLE SHAPES:	ASTM A36
DEFORMED WELDED WIRE FABRIC:	ASTM A497
EPOXY AND EXPANSION ANCHORS:	HILTI OR EQUIVALENT
GROUT:	EMBECO OR EQUIVALENT
HIGH-STRENGTH BOLTS:	ASTM A325SC OR (A325N)
OTHER STRUCTURAL SHAPES:	ASTM A36
REINFORCING BARS:	ASTM A615. GRADE 60, DEFORMED BARS
SMOOTH WELDED WIRE FABRIC:	ASTM A185
STRUCTURAL WF SHAPES:	ASTM A572-GR50
STEEL PIPE:	ASTM A53, GRADE B
TIE WIRE:	16.5 GAGE OR HEAVIER, BLACK ANNEALED
TUBE STEEL AND PIPE COLUMNS:	ASTM A500, GRADE B
WELDING ELECTRODES:	E70XX
W - SHAPES:	ASTM A992, GRADE 50

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SUBMITTALS

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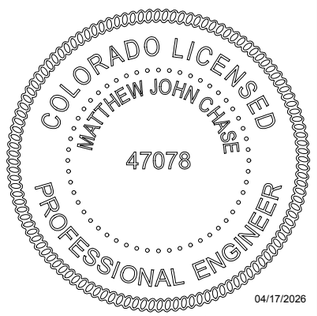


04/17/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

GENERAL NOTES

SHEET NO.

GN-1

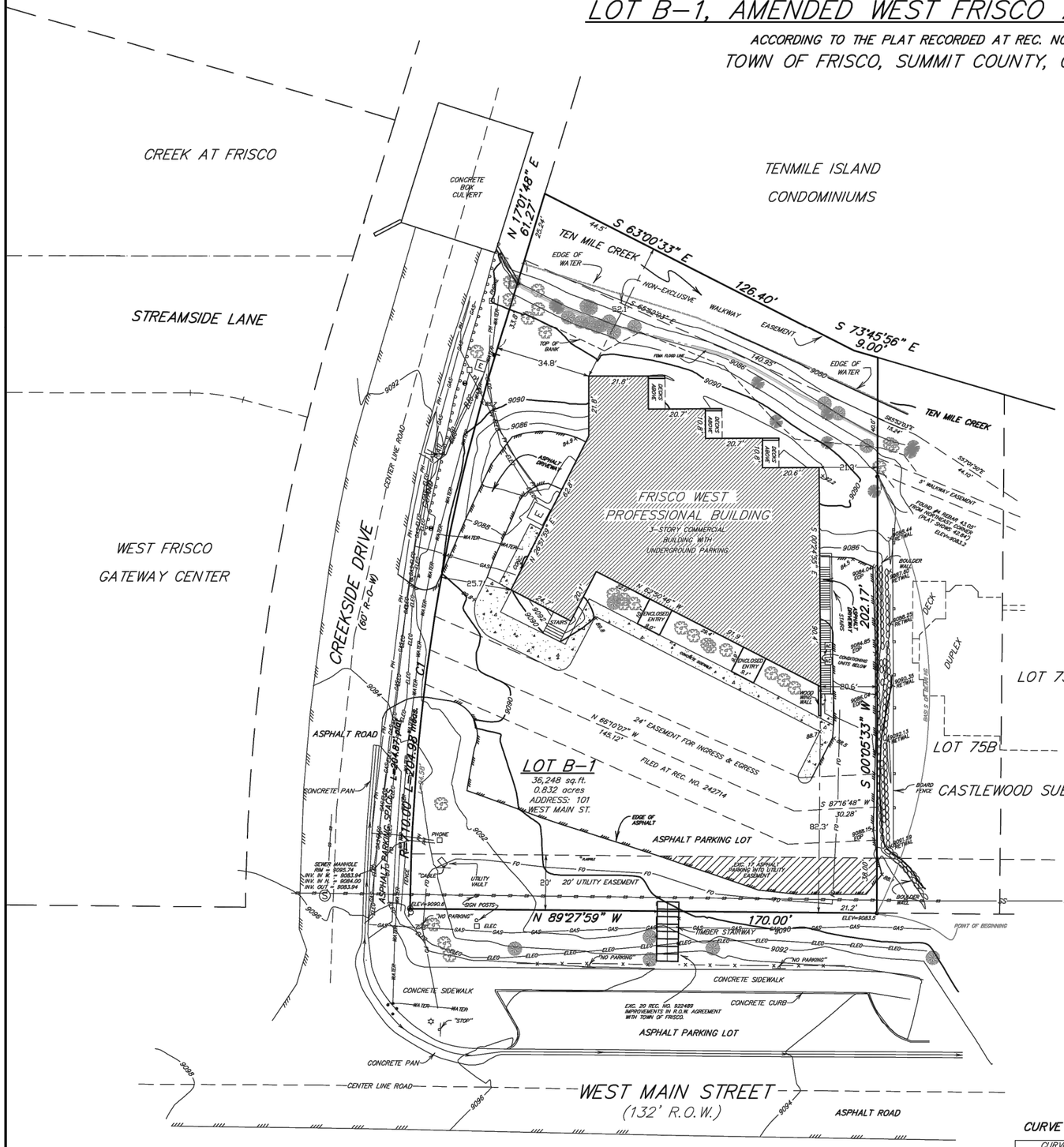
ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

AN IMPROVEMENT SURVEY PLAT AND TOPOGRAPHIC MAP OF

LOT B-1, AMENDED WEST FRISCO 70, FILING NO. 2

ACCORDING TO THE PLAT RECORDED AT REC. NO. 140796

TOWN OF FRISCO, SUMMIT COUNTY, COLORADO



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

ELEVATIONS BASED ON U.S.G.S. DATUM (NAVD 88)

DATE OF FIELD SURVEY: 03/22/07

DATE OF FIELD SURVEY UPDATE: 04/25/13

DATE OF FIELD SURVEY UPDATE: 12/20/2022

CONTOUR INTERVAL=2 FEET

NOTES:

1) ELEVATIONS BASED ON USGS NAVD 88 DATUM OBTAINED BY STATIC GPS
2) BASIS OF BEARING IS THE EAST PROPERTY LINE OF LOT B-1. ALL MONUMENTS FOUND AS SHOWN.
3) UNDERGROUND UTILITIES ARE SHOWN PER LOCATES PERFORMED BY BASLINE LOCATING ON DECEMBER 14, 2022
4) FEMA FLOODLINE BASED ON FEMA FLOOD MAP 08117C0353F, EFFECTIVE 11/16/2018. THE SUBJECT PROPERTY LIES BETWEEN BASE FLOOD ELEVATIONS OF 9084.9' AND 9088.6'.
4) TITLE COMMITTMENT BY LAND TITLE GUARANTEE COMPANY ORDER NO. MRG20210291-3 DATED 10/31/2022 USED FOR THIS SURVEY.

TITLE EXCEPTIONS:

9. PUBLIC SERVICE R-O-W AS SHOWN PER RECORDED PLAT AT REC. NO. 133038. DOES NOT EFFECT LOT B-1
10. COVENANTS
11. NOTES, DEDICATIONS AND EASEMENT PER RECORDED PLAT AT REC. NO. 140796. THE PUBLIC WALKWAY EASEMENT ON THE NORTH AND UTILITY EASEMENT ON THE SOUTH ARE SHOWN PER THE PLAT.
12. 24 FOOT EASEMENT FOR INGRESS AND EGRESS BENEFITTING LOT B-2 (REPLATTED AS CASTLEWOOD SUBDIVISION), AS MAPPED
13. DELETED
14. LOSS OR GAIN OF LAND DUE TO CHANGE IN RIVER BED
15. FISHERY HABITAT EASEMENT FOR TOWN OF FRISCO (NOT MAPPABLE) AT REC. NO. 393380
16. ASSIGNMENT OF LEASE REC. NO. 416855
17. ENCROACHMENT OF ASPHALT PARKING INTO 20' UTILITY EASEMENT, AS MAPPED.
18. MEMO OF PURCHASE AND SALE OF LEASE, AP WIRELESS THROUGH 2/28/2033, REC. NO. 984744
19. ASSIGNMENT OF AGREEMENT AT REC. NO. 1038768
20. REVOCABLE LICENSE FOR USE OF PUBLIC R-O-W FROM TOWN OF FRISCO, IMPROVEMENTS IN R-O-W AS MAPPED.
21-23. CERTAIN DEEDS FROM AP WIRELESS INVESTMENTS AT REC. NO. 1038769, 1062569 & 1292553.

LEGEND

- FOUND REBAR & PLASTIC CAP (PLS 26292)
- FOUND No. 4 REBAR
- WATER VALVE
- FIRE HYDRANT
- UTILITY PEDESTAL
- LIGHT POLE
- SEWER MANHOLE
- PINE TREE WITH TRUNK DIAMETER
- SPRUCE TREE WITH TRUNK DIAMETER
- ASPEN TREE WITH TRUNK DIAMETER
- TRANSFORMER
- RAIL FENCE
- SANITARY SEWER
- GAS LINE
- WATER LINE
- ELECTRIC LINE
- PHONE LINE
- FIBER OPTIC LINE

SURVEYOR'S CERTIFICATE

I, ROBERT R. JOHNS, BEING A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE PREPARED BY ME AND UNDER MY SUPERVISION AND THAT BOTH ARE ACCURATE TO THE BEST OF MY KNOWLEDGE.

DATED THIS _____ DAY OF _____, 20__

SIGNATURE

ROBERT R. JOHNS
COLORADO REGISTRATION NO. 26292

COLORADO REGISTERED ROBERT R. JOHNS 26292 PROFESSIONAL LAND SURVEYOR

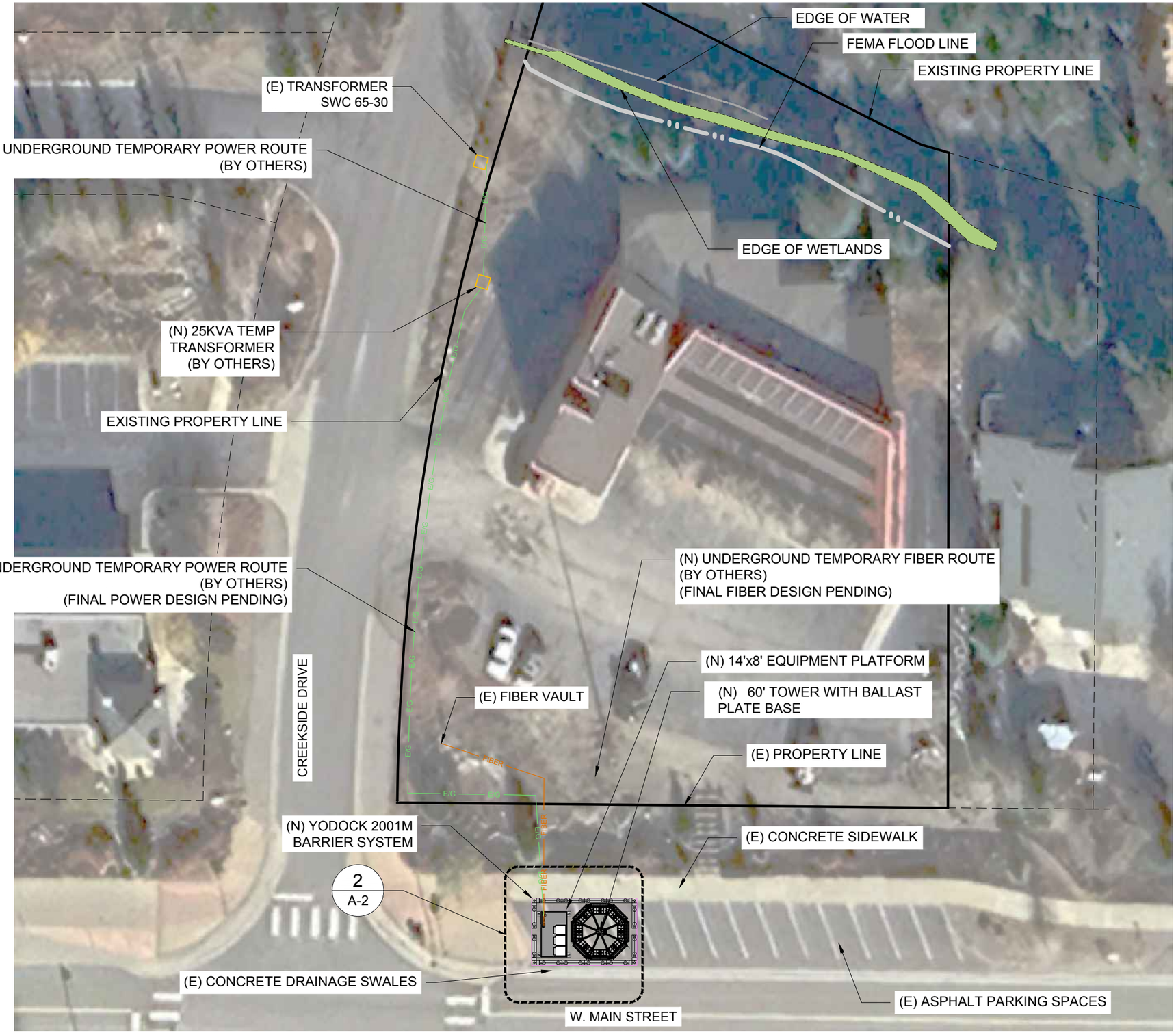
CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	710.00'	204.98'	204.27'	N 08°45'33" E	16°32'29"

NOTE: ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

Drawn GAW/RRJ/DPB/ESH	Dwg 14089ISP2	Project 14089_22
Checked RRJ	Date 12/21/2022	Sheet 1 of 1

R-A-N-G-E W-E-S-T INC.
ENGINEERS & SURVEYORS
P.O. Box 589
Silverthorne, CO 80498 970-468-6281



1 PLAN: OVERALL SITE
PAGE A-1 SCALE: 1/32" = 1'-0"

NOTE:

- THE AREA UNDER THE TOWER IS TO BE BROUGHT TO LEVEL GRADE.

N
W E
S

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ANNAPOLIS, MD 21401

CCI systems

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COLORADO LICENSED
MATTHEW JOHN CHASE
47078
PROFESSIONAL ENGINEER
04/17/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

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LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

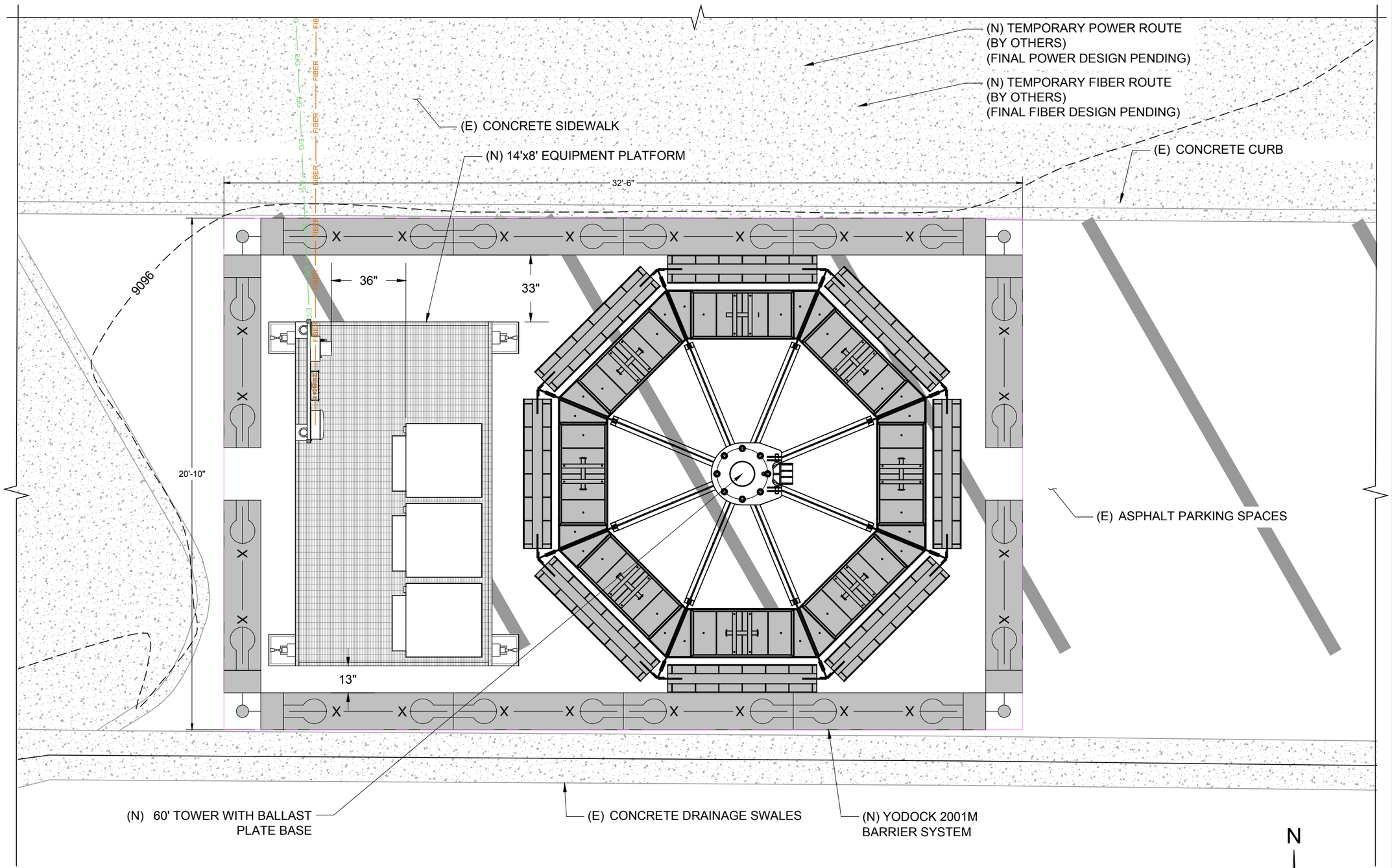
SHEET DESCRIPTION

OVERALL SITE PLAN

SHEET NO.

A-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



2 PLAN: SITE, ENLARGED
PAGE A-2 SCALE: 1/4" = 1'-0"

NOTE:
- THE AREA UNDER THE TOWER IS TO BE BROUGHT TO LEVEL GRADE.

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COLORADO LICENSED
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FRISCO, CO 80443

SUMMIT COUNTY

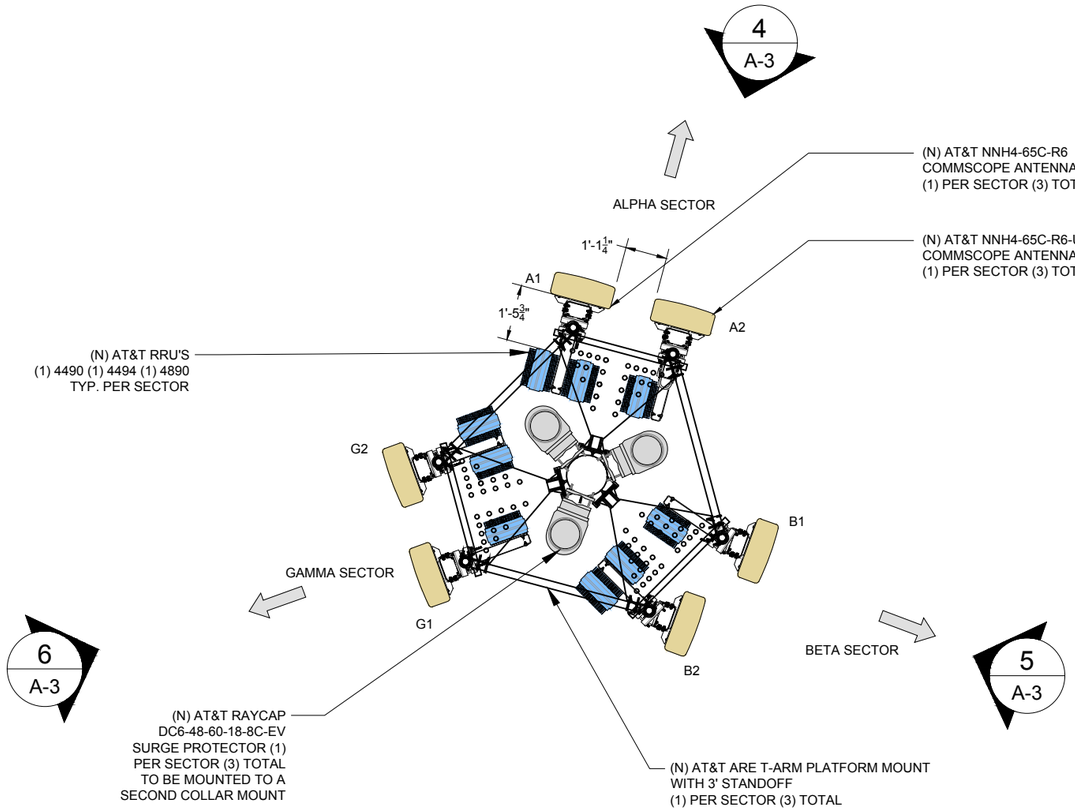
SHEET DESCRIPTION

ENLARGED SITE PLAN

SHEET NO.

A-2

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

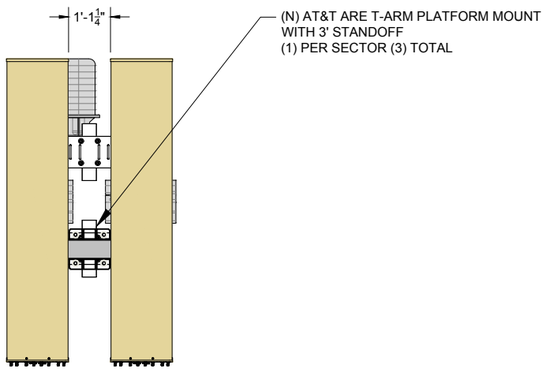


PROPOSED ANTENNA SCHEDULE

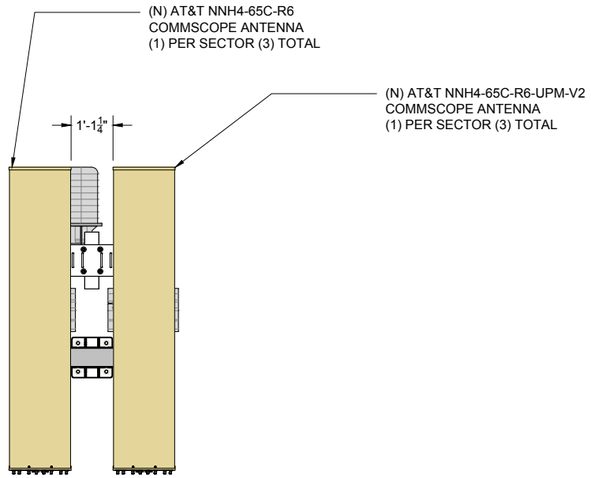
SECTOR		ANTENNA TECHNOLOGY	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA TIP HEIGHT	RRU	OVP	CABLING
ALPHA	A1	5G, LTE	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	A2	5G	COMMSCOPE	NNH4-65C-R6	51'-0"			
	A3							
	A4							
BETA	B1	5G, LTE	COMMSCOPE	NNH4-65C-R6	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	B2	5G	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"			
	B3							
	B4							
GAMMA	G1	5G, LTE	COMMSCOPE	NNH4-65C-R6-UPM-V2	51'-0"	**ERICSSON 4490 B5/B12A **ERICSSON 4494 B14/B29 **ERICSSON 4890 B25/B66	(1) DC6-48-60-18-8C-EV	(1) FIBER TRUNK (2) DC TRUNK
	G2	5G	COMMSCOPE	NNH4-65C-R6	51'-0"			
	G3							
	G4							

NOTE:
* CONTRACTOR TO REFER TO FINAL RFDS FOR ALL RF DETAILS
** OR SIMILAR

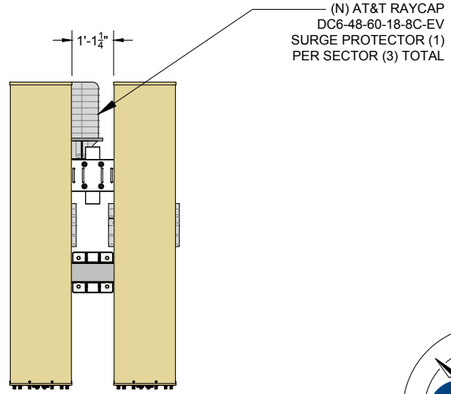
3 PLAN: SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"



4 ELEVATION: ALPHA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"



5 ELEVATION: BETA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"



6 ELEVATION: BETA SECTOR, ENLARGED
PAGE A-3 SCALE: 1/4" = 1'-0"

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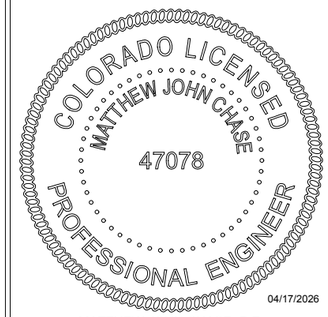

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

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LTE 1C, 2C, 3C, 4C, 5C, 6C

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103 WEST MAIN STREET
FRISCO, CO 80443

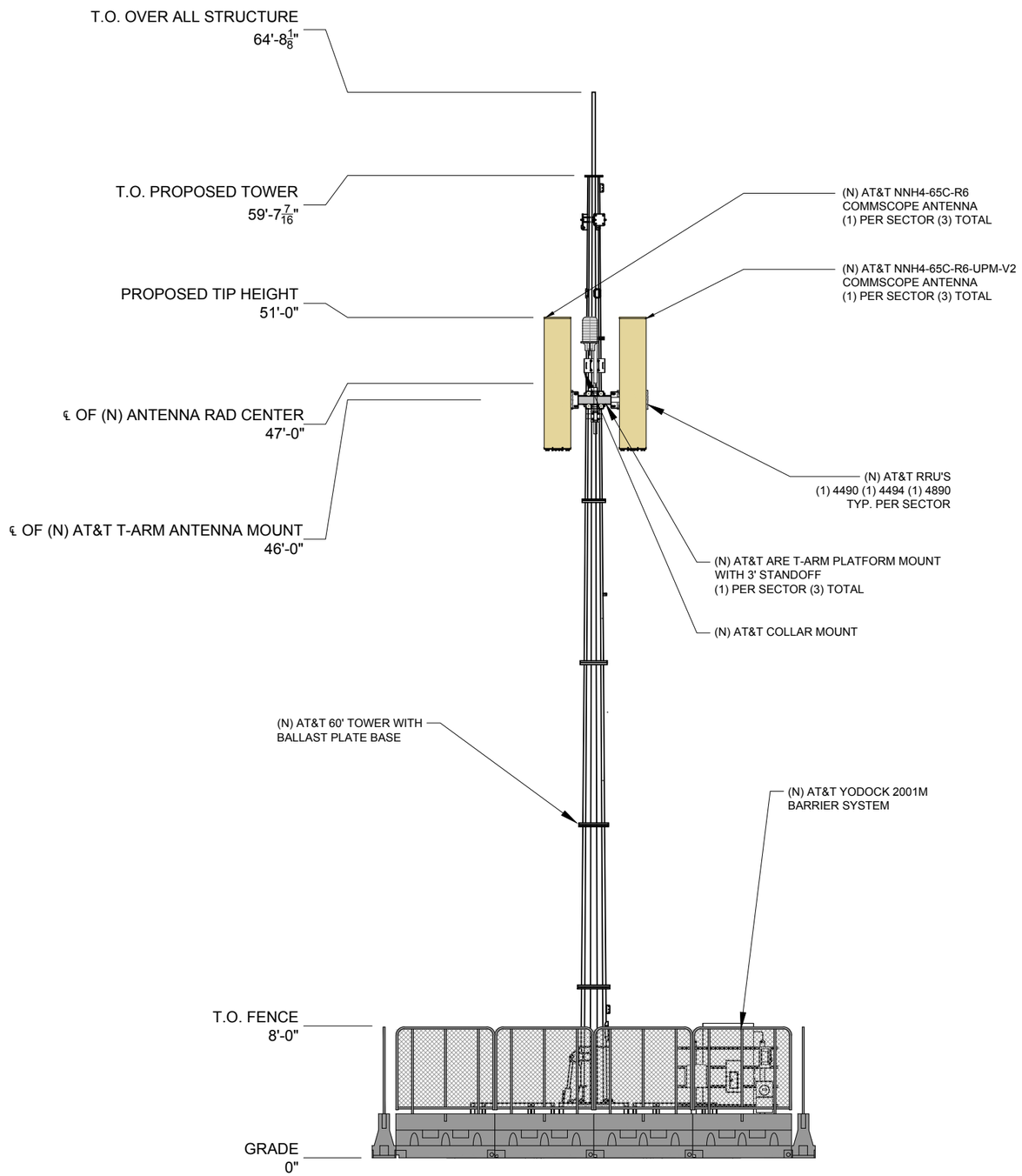
SUMMIT COUNTY

SHEET DESCRIPTION

ANTENNA SECTOR
PLAN AND DETAILS

SHEET NO.

A-3



7 ELEVATION: LEASE AREA SITE, PROPOSED
PAGE A-4 SCALE: 1/8" = 1'-0"

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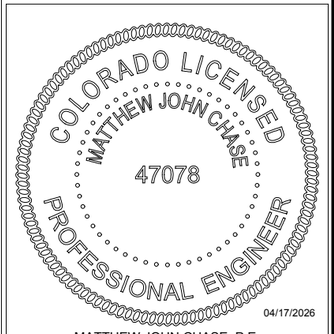

04/17/2026

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103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

SITE ELEVATION

SHEET NO.

A-4

NNH4-65C-R6

12-port sector antenna, 4x 698–896 and 8x 1695–2360 MHz, 65° HPBW, 6x RET.

- Features broadband Low Band (698-896 MHz) and High Band (1695-2360 MHz) arrays for 4T4R (4X MIMO) capability for Band 14, AWS, PCS and WCS applications
- Independent tilt for all arrays
- Array configuration provides capability for 4T4R (4x MIMO) on Low band and Dual 4T4R (4x MIMO) on High band
- Optimized SPR performance across all operating bands
- Excellent wind loading characteristics
- The antenna is supplied with mounting kits that provide 0 degree of mechanical downtilt; optional downtilt mounting kits are available

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112334-EN
Radome Material	Fiberglass, UV resistant
Radiator Material	Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, high band	8
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	1 female | 1 male
Input Voltage	10–30 Vdc

Page 1 of 5

ANDREW. an Amphenol company

Page 2 of 5

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ANDREW. an Amphenol company

1 DETAIL: ANTENNA, COMMSCOPE NNH4-65C-R6
PAGE D-1 SCALE: NOT TO SCALE

NNH4-65C-R6

Internal RET	High band (4) | Low band (2)
Power Consumption, idle state, maximum	1 W
Power Consumption, normal conditions, maximum	8 W
Protocol	3GPP/AISG 2.0 (Multi-RET)

Dimensions

Width	498 mm | 19.606 in
Depth	197 mm | 7.756 in
Length	2438 mm | 95.984 in
Net Weight, without mounting kit	39.9 kg | 87.964 lb

Product Specifications

COMMSCOPE®

NNH4-65C-R6-V2

12-port sector antenna, 4x 703–894 and 8x 1695–2200 MHz, 65° HPBW, 6x RET.

Electrical Specifications

Frequency Band, MHz	703–803	824–894	1695–1880	1850–1990	1920–2200
Gain, dBi	15.0	16.0	17.0	17.5	17.8
Beamwidth, Horizontal, degrees	75	73	59	56	51
Beamwidth, Vertical, degrees	9.7	8.7	7.9	7.4	7.0
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	19	19	17	18	19
Front-to-Back Ratio at 180°, dB	32	33	29	32	29
Isolation, dB	25	25	25	25	25
Isolation, Intersystem, dB	25	25	25	25	25
VSWR | Return Loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	250	250	250
Polarization	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	703–803	824–894	1695–1880	1850–1990	1920–2200
Gain by all Beam Tilts, average, dBi	15.3	15.8	16.5	17.1	17.3
Gain by all Beam Tilts Tolerance, dB	±0.7	±0.4	±0.8	±0.6	±0.6
Gain by Beam Tilt, average, dBi	0° | 15.2 5° | 15.4 12° | 15.4	0° | 15.8 5° | 15.9 12° | 15.7	0° | 16.6 5° | 16.6 12° | 16.2	0° | 17.1 5° | 17.1 12° | 16.7	0° | 17.1 5° | 17.1 12° | 16.9
Beamwidth, Horizontal Tolerance, degrees	±2.5	±2.1	±1.8	±2.4	±3.1
Beamwidth, Vertical Tolerance, degrees	±0.8	±0.5	±0.4	±0.2	±0.6
USLS, Beampeak to 20° above Beampeak, dB	16	16	14	15	16
Front-to-Back Total Power at 180° ± 30°, dB	23	22	34	33	29
CPR at Boresight, dB	22	24	20	23	21
CPR at Sector, dB	9	6	9	9	7

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper "How to Raise the Bar on BSAs."

Array Layout

General Specifications

Operating Frequency Band	1695 – 2200 MHz | 703 – 894 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage
Total Input Power, maximum	900 W @ 50 °C

Mechanical Specifications

RF Connector Quantity, total	12
RF Connector Quantity, low band	4

page 1 of 5
February 13, 2018

2 DETAIL: ANTENNA, COMMSCOPE NNH4-65C-R6-UPM-V2
PAGE D-1 SCALE: NOT TO SCALE

Radio 4490HP 44B5 44B12A C

AT&T Input
- Priority : Medium
- Volumes : Medium (>5k)

Confirmed Mar 2023

- 4 common RF ports
- B5: 4x60W
- B12A: 4x60W
- 480W total without fan (-40 to +55˚C)

- L (≥5MHz), NR, ESS, NB-IoT (IB and GB)
- 2x 2.5/4.9/9.8/10.1/24.3 Gbps CPRI
- eCPRI
- Front area: 384mm x 444mm (15.1x17.5 inches)
- Depth: 172mm (6.8 inches) -> 29.3liter
- 31kg (68 lbs)

- Internal PIMC*
- Improved energy efficiency
- AISG TMA & RET support via RS-485 or RF connectors
- 2 external alarm
- Convectional cooling
- Optional fan for increased site flexibility
- IP 65, -40 to +55˚C

3 DETAIL: RADIO, ERICCSON 4490
PAGE D-1 SCALE: NOT TO SCALE

Radio 4890HP 48B2/B25 48B66 M01

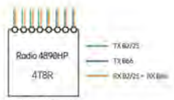
AT&T Input
- Priority : High
- Volumes : Large (>15k)

Confirmed July 2023

- 8 ports, 4T8R per band
- B2/B25: 4x60W
- B66: 4x60W
- Up to 480W in total without fan (-40 to +55˚C)

- L (≥5MHz), NR, ESS, NB-IoT (IB and GB)
- 2x 2.5/4.9/9.8/10.1/24.3 Gbps CPRI
- eCPRI
- Front area: 384mm x 444mm (15.1x17.5 inches)
- Depth: 176mm (6.9 inches) -> 30.0liter (estimate)
  - Dual layer filter, one layer RX-only
- 31kg (68 lbs)

- Internal PIMC*
- -48 VDC 3-wire or 2-wire (single DC-connector)
- Improved energy efficiency
- AISG TMA & RET support via RS-485 or RF connectors
- 2 external alarm
- Convectional cooling
- Optional fan for increased site flexibility
- IP 65, -40 to +55˚C



Radio 8843 RF-port definition

Radio 4890HP RF-port definition

4 DETAIL: RADIO, ERICSSON 4890
PAGE D-1 SCALE: NOT TO SCALE

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SUBMITTALS

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B	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
0	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
1	100% COMPLETE CD	04/09/2026	JED	OAM	MJC

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MATTHEW JOHN CHASE
47078
PROFESSIONAL ENGINEER
04/17/2026

MATTHEW JOHN CHASE, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

SITE NAME:
FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

EQUIPMENT DETAILS

SHEET NO.

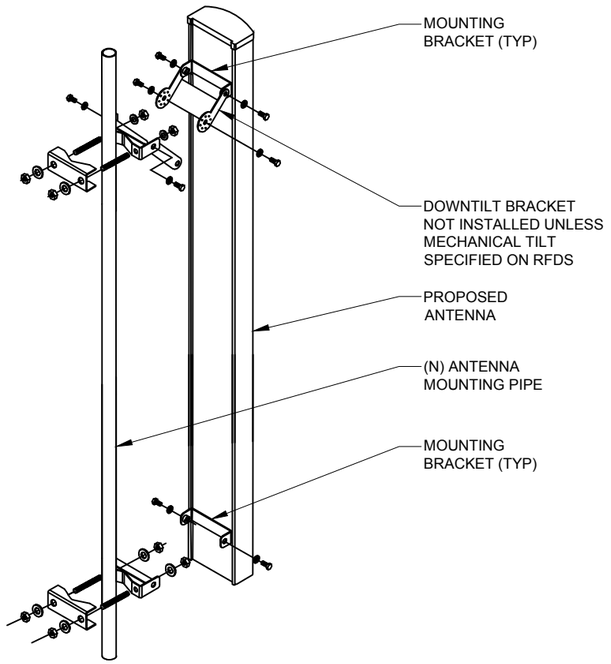
D-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

Until the product has reached Ready for Tendering (PRT), the content, cost, price, and time schedule must be regarded as preliminary.

Radio 4494 44B14 20B29 M01

5 DETAIL: RADIO, ERICSSON 4494
PAGE D-2 SCALE: NOT TO SCALE



7 DETAIL: TYPICAL ANTENNA MOUNTING
PAGE D-2 SCALE: NOT TO SCALE

DATA SHEET

DC Surge Protection Solutions

DC6-48-60-18-8C-EV

Overvoltage Protection and Fiber Distribution/Cable Management Solution

Rooftop / Towertop

powered by Strikesorb®

The DC6-48-60-18-8C-EV is designed to provide the ultimate coordination between the SPD and the RRH/RRU by offering industry-leading low-clamping voltage of 160V and extremely robust protection for use in a high DC voltage environment. Capable of providing 12.5kA (10/350 µs) max per circuit surge capacity for up to 6 -48V DC circuits.

6 DETAIL: SURGE SUPPRESSOR - DC6-48--60-18-8C
PAGE D-2 SCALE: NOT TO SCALE

MPH-001

Monopole Port Hole Grip Anchor - Fits hand holes 2.25" to 5.25" deep with thickness up to .5"

860669616-1035

Monopole Hoisting Grip Anchor, for Monopoles 10"-35" OD

HOISTING-GRIP-SERIES

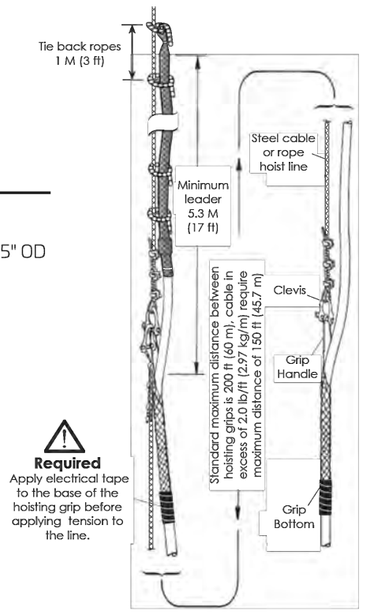
Base Product

Standard Hoisting Grips

Product Classification

Product Type	Hoisting grip
Product Brand	HELIAX®

Hoisting Considerations



Required
Apply electrical tape to the base of the hoisting grip before applying tension to the line.

8 DETAIL: COMMSCOPE HOIST GRIP
PAGE D-2 SCALE: NOT TO SCALE

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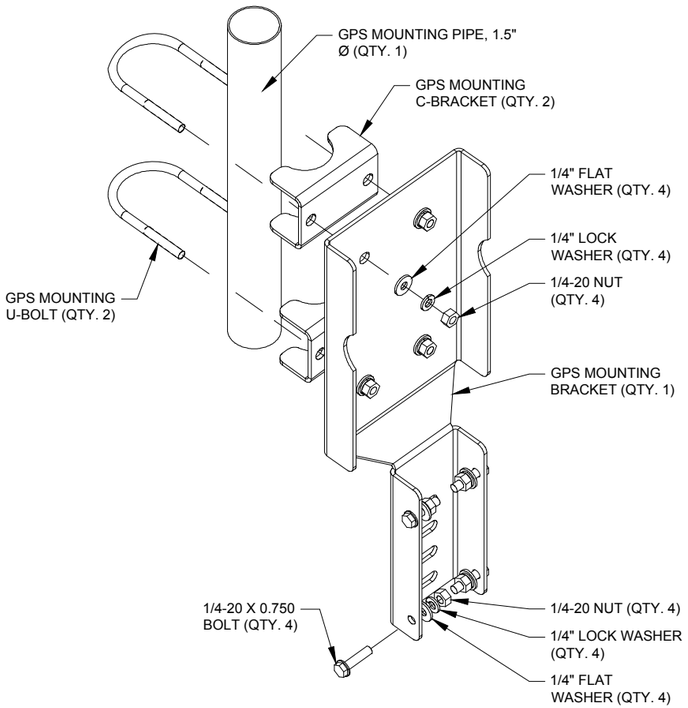
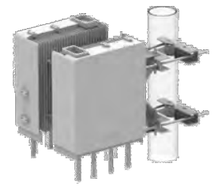
SHEET NO.

D-2



9 DETAIL: TYPICAL GPS MOUNTING
PAGE D-3 SCALE: NOT TO SCALE

RR-FA4



RRU Mount Kit for Back-to-Back Mounting of (2) RRUs on up to 5.6" Round, 6" 60 degree or 4.5" 90 Degree Angle

Accomodates a wide variety of radios.

Features integrated lifting points for safe and efficient hoisting of radios to the mounting location

Supports all typical RRH units from Ericsson, ERS and RRUS

10 DETAIL: TYPCAL RRH MOUNTING
PAGE D-3 SCALE: NOT TO SCALE

EQ-P-AL

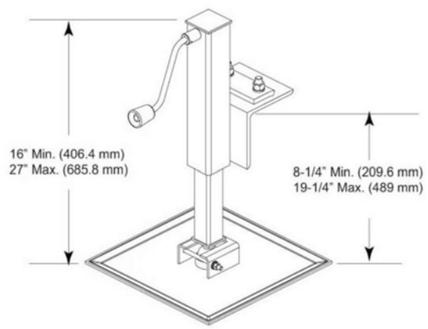
Equipment Platform Adjustable Leg

Product Classification

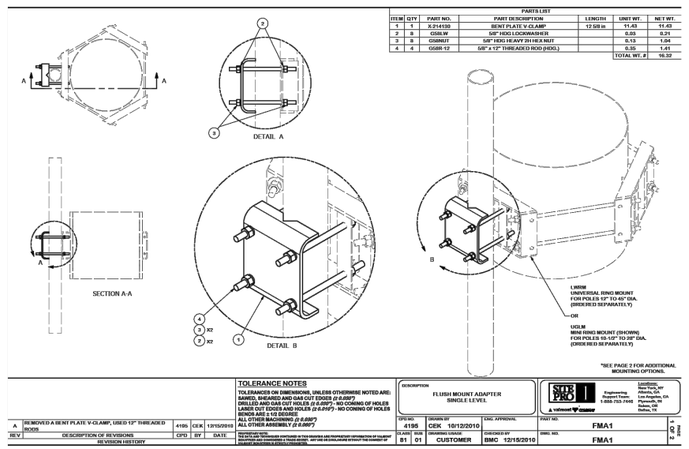
Product Type	Equipment platform system

Dimensions

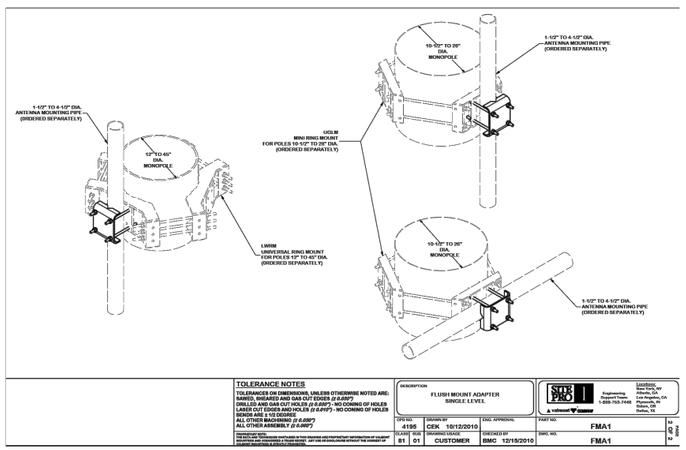
Height	805.18 mm | 31.7 in
Width	393.7 mm | 15.5 in
Length	393.7 mm | 15.5 in



11 DETAIL: ADJUSTABLE PLATFORM LEG - EQ-P-AL
PAGE D-3 SCALE: NOT TO SCALE



12 DETAIL: COLLAR MOUNT, SITE PRO1 FMA1
PAGE D-3 SCALE: NOT TO SCALE



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SUMMIT COUNTY

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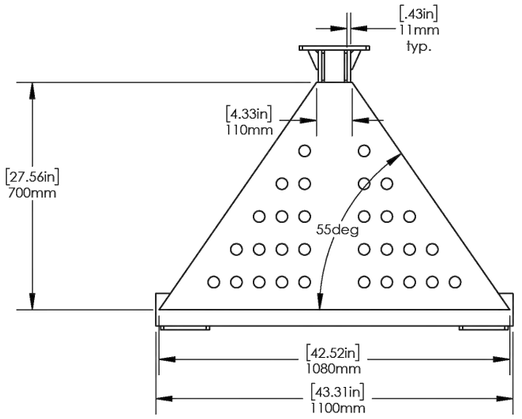
EQUIPMENT DETAILS

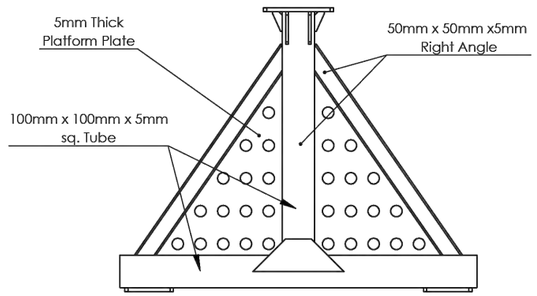
SHEET NO.

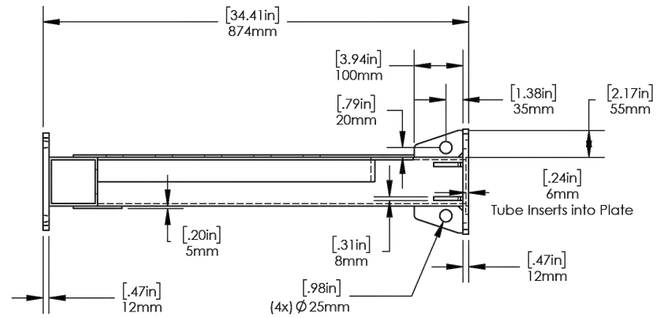
D-3

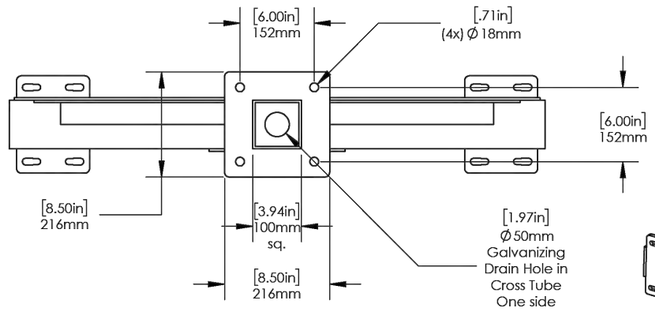
ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

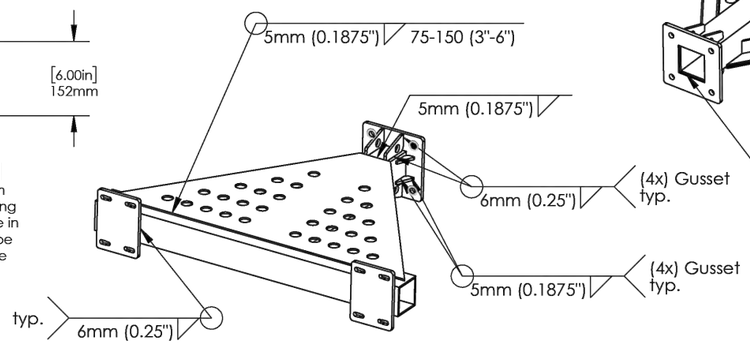
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	initial release	4/30/21	MGC
B			
C			

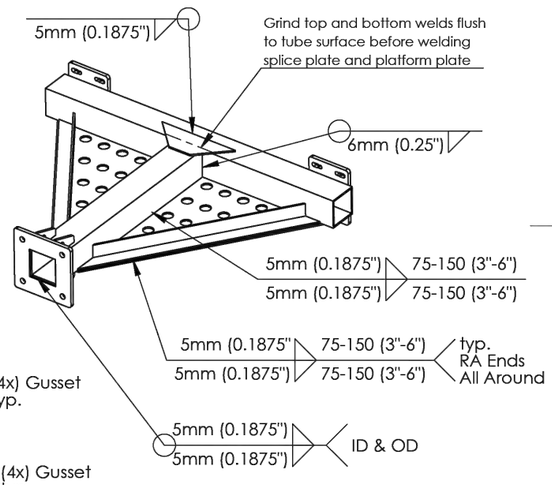


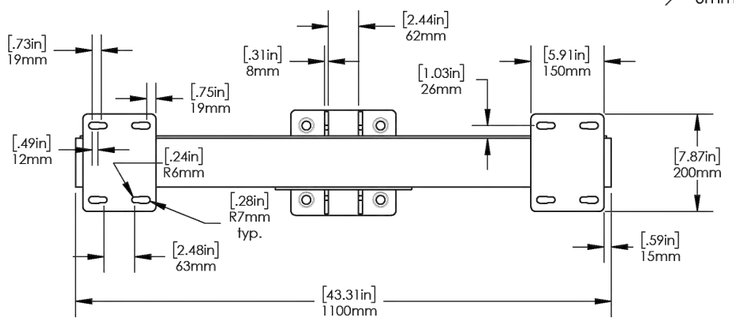












Notes:

1. All plate material shall shall have a minimum yield strength of 355 MPa (50 ksi)
2. Tube shall be Q355 (ASTM A500 Gr B) or equivalent
3. All welding shall conform to the minimum requirements of AWS D1.1
4. All welding shall be done by welders qualified under AWS specifications, using E70XX, low hydrogen electrodes
5. All components shall Hot Dip Galvanized in accordance with ASTM A123
6. Debur all sharp edges

Total Weight 60kg (132lb) Does not include fasteners		CAD-generated drawing do not manually update	
	APPROVALS	DATE	ARE 1041 Grand Ave., #213 St. Paul, MN 55105 (651) 330-1263 www.aretelecom.com
	DRAWN MGC	4/30/21	**T-Arm Platform 36" (915mm)**
	CHECKED		CAD file :
MATERIAL See Notes	RESP ENG		Details and dimensions not shown on this drawing can be found in CAD file.
FINISH See Notes	MFG ENG		scale NA rev. A size NA sheet 1 of 3
DO NOT SCALE DRAWING	QUAL ENG		

13 DETAIL: MOUNT, T-ARM PLATFORM 36" MOUNT
PAGE D-4 SCALE: NOT TO SCALE

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CCI systems

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SUMMIT COUNTY

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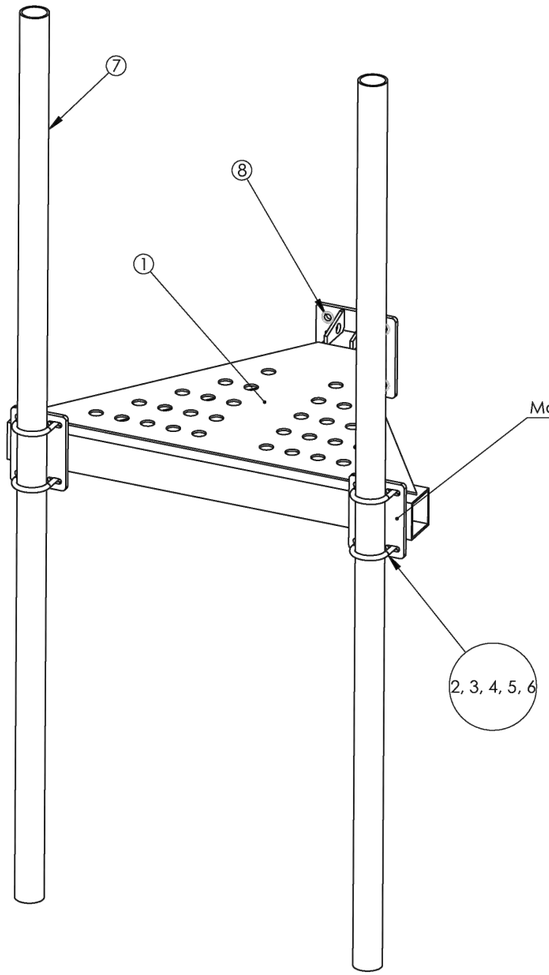
EQUIPMENT DETAILS

SHEET NO.

D-4

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



36" (915mm) T-Arm Platform Bill of Materials

#	Description	Qty	Weight ea. kg/ (lb)
1	T-Arm Platform 36in (915mm)	1	60/ 132
	Customer Must Specify U-Bolt (1.5" to 3.5" Schedule 40 Pipe)		
2	U-Bolt 3/8-16 w/ (2x) Washer, (4x) Nut - HDG (1.5" sch. 40 Pipe)	4	
3	U-Bolt 3/8-16 w/ (2x) Washer, (4x) Nut - HDG (2" sch. 40 Pipe)	4	
4	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (2.5" sch. 40 Pipe)	4	
5	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (3" sch. 40 Pipe)	4	
6	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (3.5" sch. 40 Pipe)	4	
7	Pipe (Sch 40) supplied by customer		

T-Arm Mounting Bolts, Nuts & Washers (other equivalent grades acceptable)

#	Unit	Bolt Size	Length	Width Across Flats	Thread Length	Grade	Coating	Nut Qty.	Washer Qty.	Bolt Qty.
8	Metric	M16x2	65mm	24mm	Full Thread	8.8	Hot Dip Galv.	8	8	4
8	Imperial	5/8-11	2-1/2"	15/16"	Full Thread	A325	Hot Dip Galv.	8	8	4

14 DETAIL: MOUNT, T-ARM PLATFORM 36" MOUNT
PAGE D-5 SCALE: NOT TO SCALE

ARE
1041 Grand Ave., #213
St. Paul, MN 55105
(651) 330-1263
www.aretelecom.com

T-Arm Platform 36" (915mm) BOM

Part #

scale NA | rev. A | size NA | sheet 2 of 3

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D-5

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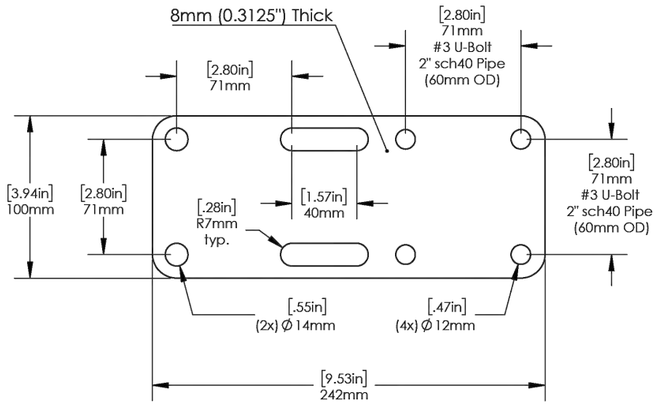
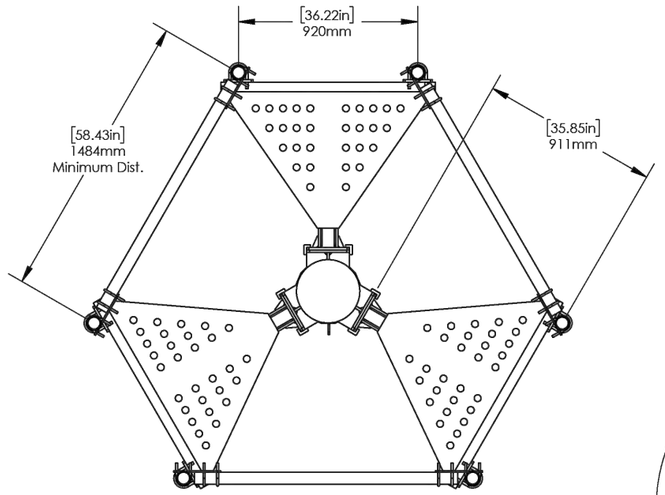
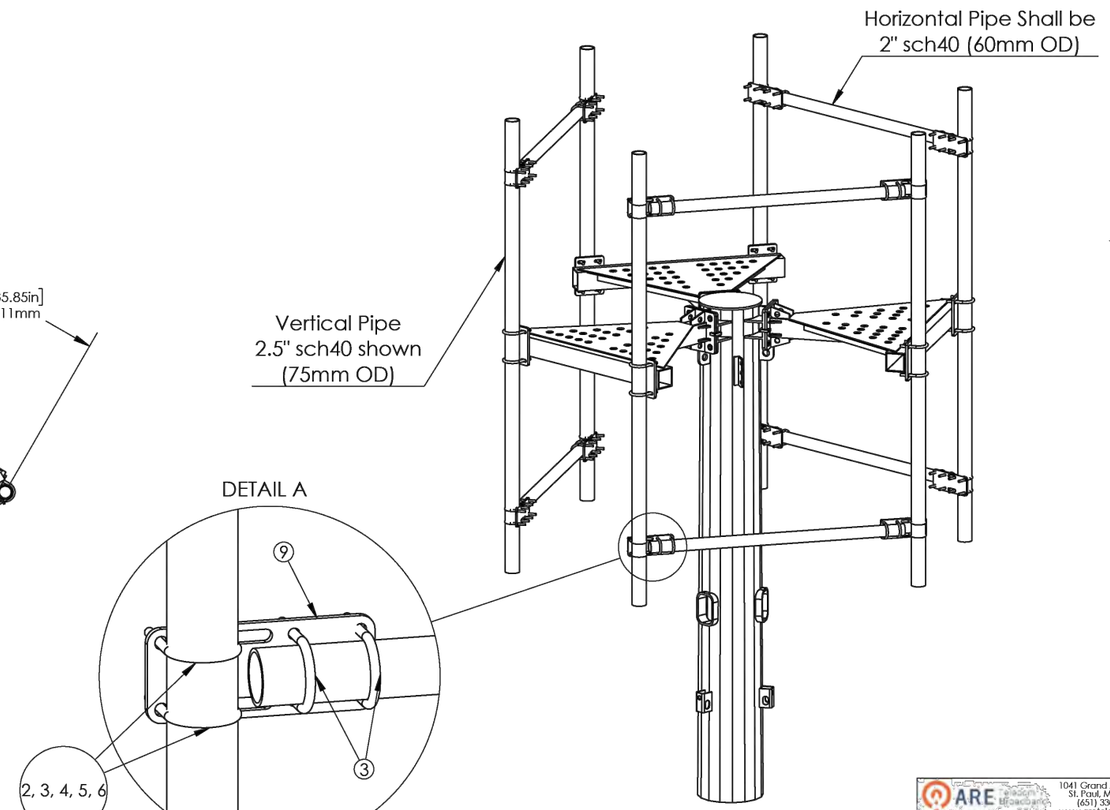
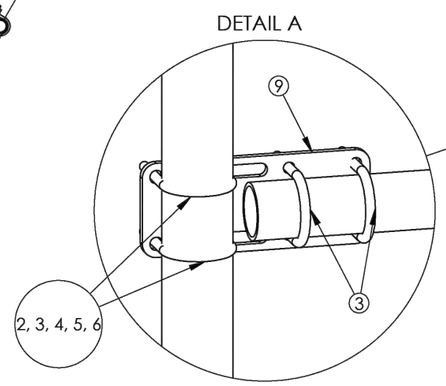




Horizontal Pipe Mounting Plate Bill of Materials

#	Description	Qty	Weight ea. kg/ (lb)
9	Horizontal Pipe Mounting Plate	1	1.4/ 3.1
	Customer Must Specify U-Bolt (1.5" to 3.5" Schedule 40 Pipe)		
2	U-Bolt 3/8-16 w/ (2x) Washer, (4x) Nut - HDG (1.5" sch. 40 Pipe)	4	
3	U-Bolt 3/8-16 w/ (2x) Washer, (4x) Nut - HDG (2" sch. 40 Pipe)	4	
4	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (2.5" sch. 40 Pipe)	4	
5	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (3" sch. 40 Pipe)	4	
6	U-Bolt 1/2-13 w/ (2x) Washer, (4x) Nut - HDG (3.5" sch. 40 Pipe)	4	
7	Pipe (Sch 40) supplied by customer		





Notes:

1. All plate material shall shall have a minimum yield strength of 355 MPa (50 ksi)
2. All components shall Hot Dip Galvanized in accordance with ASTM A123
3. Debur all sharp edges

ARE 1041 Grand Ave., #213 St. Paul, MN 55105 (651) 330-1263 www.aretelecom.com

Horizontal Pipe Mounting Plate

Part #

scale NA | rev. A | size NA | sheet 3 of 3

15 DETAIL: MOUNT, T-ARM PLATFORM 36" MOUNT
PAGE D-6 SCALE: NOT TO SCALE

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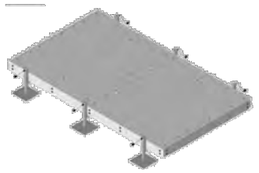
D-6

EQ-P0814-AL



Equipment Platform, 8 ft x 14 ft, base with six adjustable legs

Product Classification

Product Type Equipment platform system

General Specifications

Legs, quantity 6

Dimensions

Height 685.8 mm | 27 in

Width 4,267.2 mm | 168 in

Length 2,438.4 mm | 96 in

Material Specifications

Material Type Hot dip galvanized steel

Mechanical Specifications

Load Capacity Up to 10,000 lb (4536 kg) loading

Packaging and Weights

Included Frame | Grating | Hardware | Legs

Packaging quantity 1

Weight, net 929.9 kg | 2,050.076 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

16 DETAIL: AT&T EQUIPMENT PLATFORM
PAGE D-7 SCALE: NOT TO SCALE

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ANNAPOLIS, MD 21401

CCI systems

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COLORADO LICENSED
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47078
PROFESSIONAL ENGINEER
04/17/2026

MATTHEW JOHN CHASE, P.E.
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LICENSE #47078, (EXP. 10/31/2027)

SITE INFORMATION

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FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

EQUIPMENT DETAILS

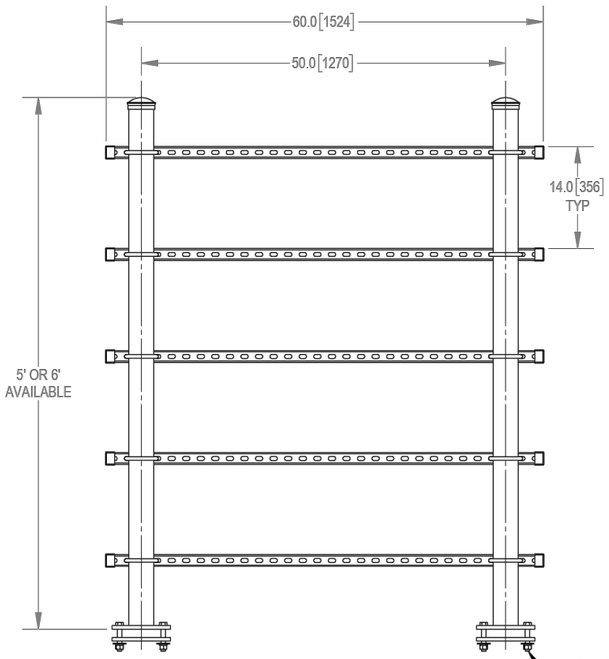
SHEET NO.

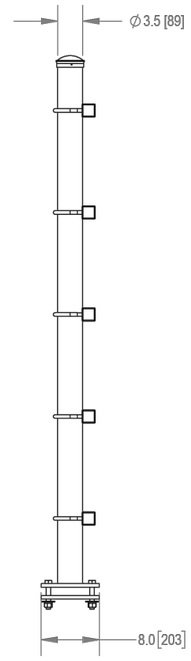
D-7

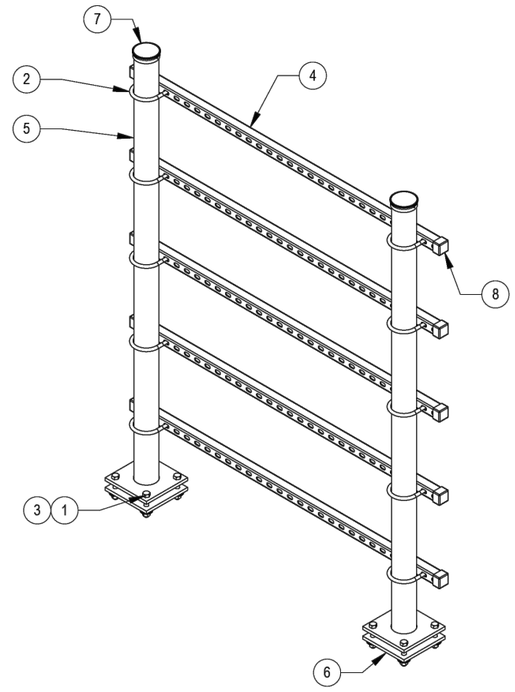
ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

NOTES:
1.0 GENERAL
1.1 ALL METRIC DIMENSIONS ARE IN BRACKETS
1.2 FOR PATENTS, SEE WWW.CS-PAT.COM
2.0 DESIGN NOTES
3.0 MANUFACTURING/SPECIAL REQUIREMENTS
4.0 TEST
5.0 PACKAGING

REVISIONS				
REV.	ECN	DESCRIPTION	BY	DATE
A	8000042057	INITIEAL RELEASE	MRC	09/22/20







PART NO.	DESCRIPTION	POST WELDMENT	UNISTRUT QTY
MTC4045HF65	H-FRAME, 6' POST HEIGHT, 5 UNI-STRUT	MTC4045-01	5 @ 60"
MTC4045HF55	H-FRAME, 5' POST HEIGHT, 5 UNI-STRUT	MTC4045-02	5 @ 60"

ITEM NO.	PART NUMBER	DESCRIPTION	QTY FOR MTC4045HF65	QTY FOR MTC4045HF55
1	GB-05345	5/8" X 3-1/2" GALV BOLT KIT	8	8
2	GUB-4355	1/2" X 3-5/8" X 5" GALV U-BOLT	10	10
3	GWF-05	5/8" GALV FLAT WASHER, 1.7OD	8	8
4	MT50460	SQ. SUPPORT RAIL, 1-5/8" X 60" LONG	5	5
5	MTC4045-01	WELDMENT, 6' PIPE	2	2 EA MTC4045-02
6	MTC4045-12	BASE PLATE, 3" PIPE	2	2
7	PC-034	PIPE CAP 3-1/2"	2	2
8	PTCR01	END CAP	10	10

DENSITY		lbs/in³
MASS	59.74	lbs
VOLUME	662.07	in³
SURFACE AREA	7174.04	in²
HEIGHT		
LENGTH		
WIDTH		

COMMSCOPE, INC. OF NORTH CAROLINA

TOLERANCES
0 PLACE X ± .25 | 2 PLACE .XX ± 0.06
1 PLACE .X ± 0.12 | ANGLES ± 2°

SAP MATERIAL MASTER: MTC4045HF SERIES

FINISH: GALV A123

MATERIAL: A500, A1011/A1018

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES INTERPRET PER ANSI Y 14.5M-1994

	NAME	DATE
CE	MRC	07/28/20
RW	MC1107	09/30/2020
RV		
AD	BCAMPBELLCON	10/01/2020
RE	BCROSS	10/01/2020

ECN 008000042057

TITLE: H-FRAME, PLATFORM, MTC4045

SCALE: 1:12

DOCUMENT NO.: MTC4045HF SERIES

SIZE	WORK AREA	MODEL			DRAWING			SHEET
	24	VERSION	STATUS	REVISION	VERSION	STATUS	REVISION	
C		01	RE		01	RE	A	1 OF 2

17 DETAIL: AT&T EQUIPMENT PLATFORM - H-FRAME
PAGE D-8 SCALE: NOT TO SCALE

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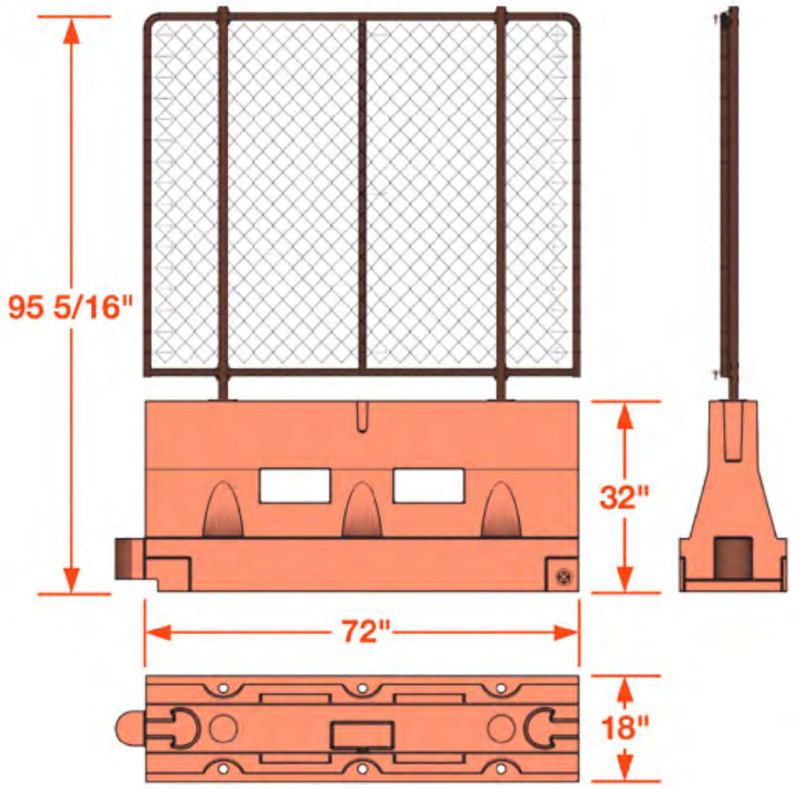
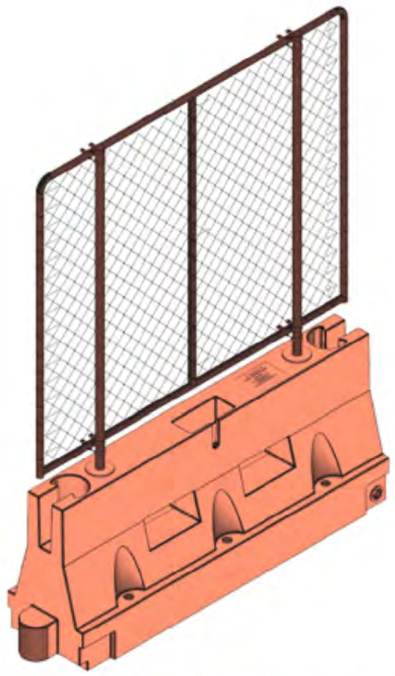
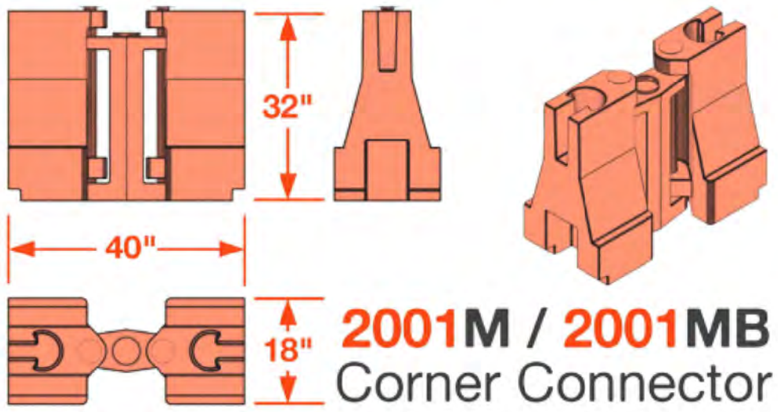




2001M

For More Information About YODOCK®

(800) 671-9662



2001M / 2001MB Corner Connector

	2001	2001M	2001MB
Length	6'	6'	6'
Height	46"	32"	32"
Width	24"	18"	18"
Empty Weight	130 lbs.	75 lbs.	85 lbs.
Full Weight	1,500 lbs.	750 lbs.	900 lbs.
Capacity	180 gallons	100 gallons	100 gallons
Material	LDPE	LDPE	HDPE

18 DETAIL: YODOCK 2001M BARRIER SYSTEM
PAGE D-9 SCALE: NOT TO SCALE

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D-9

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

1 PHOTOSIMULATION: EXISTING VIEW EAST
PAGE PS-1 SCALE: NOT TO SCALE

2 PHOTOSIMULATION: PROPOSED VIEW EAST
PAGE PS-1 SCALE: NOT TO SCALE

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SHEET DESCRIPTION

PHOTOSIMULATION

SHEET NO.

PS-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

3 PHOTOSIMULATION: EXISTING VIEW NORTH
PAGE PS-2 SCALE: NOT TO SCALE

4 PHOTOSIMULATION: PROPOSED VIEW NORTH
PAGE PS-2 SCALE: NOT TO SCALE

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SHEET DESCRIPTION

PHOTOSIMULATION

SHEET NO.

PS-2

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

5 PHOTOSIMULATION: EXISTING VIEW SOUTH
PAGE PS-3 SCALE: NOT TO SCALE

6 PHOTOSIMULATION: PROPOSED VIEW SOUTH
PAGE PS-3 SCALE: NOT TO SCALE

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SHEET DESCRIPTION

PHOTOSIMULATION

SHEET NO.

PS-3

7 PHOTOSIMULATION: EXISTING VIEW WEST
PAGE PS-4 SCALE: NOT TO SCALE

8 PHOTOSIMULATION: PROPOSED VIEW WEST
PAGE PS-4 SCALE: NOT TO SCALE

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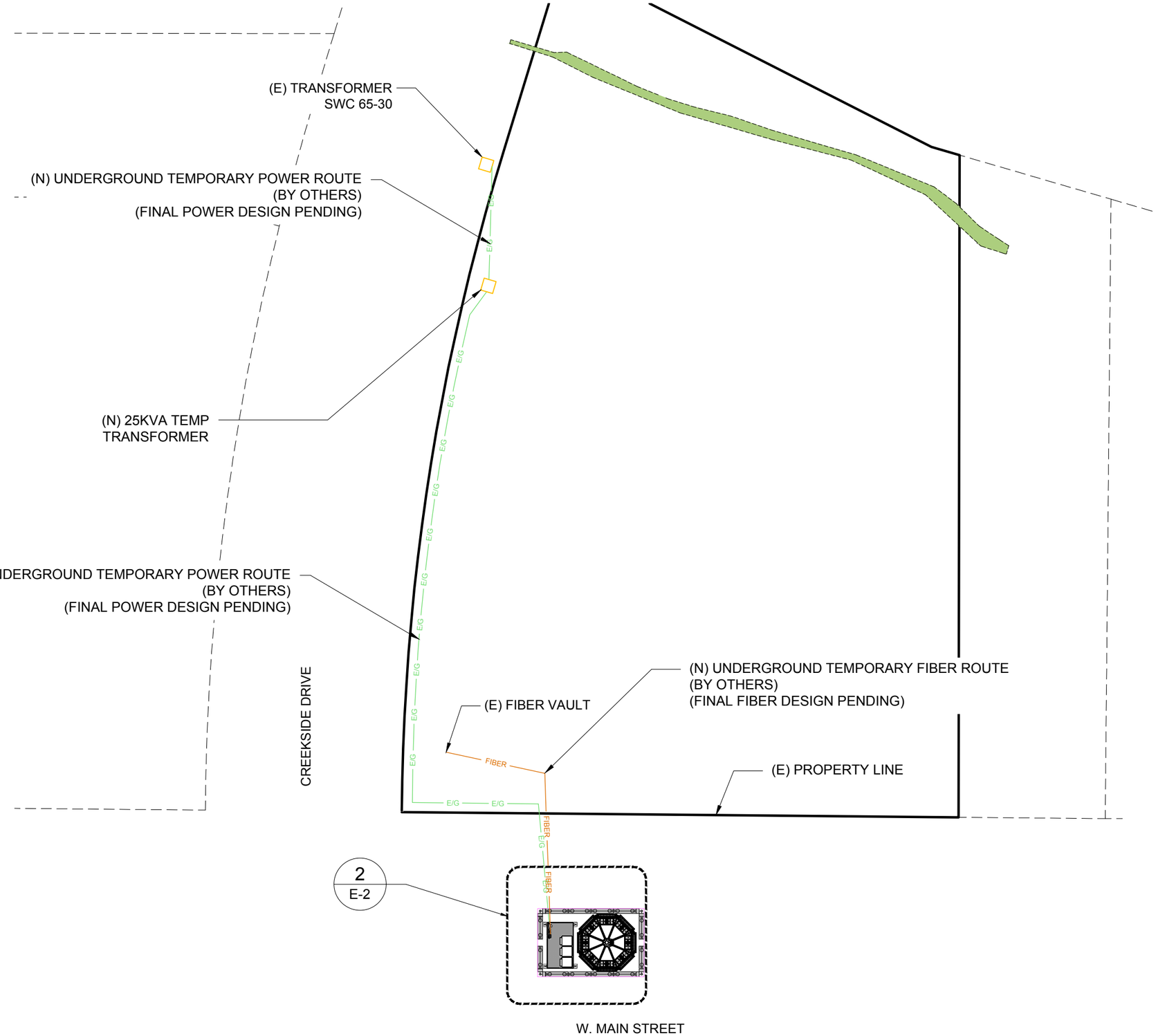
SHEET DESCRIPTION

PHOTOSIMULATION

SHEET NO.

PS-4

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



1 PLAN: UTILITY SITE
PAGE E-1 SCALE: 1/32" = 1'-0"

NOTE:
- THE AREA UNDER THE TOWER IS TO BE BROUGHT TO LEVEL GRADE.

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SHEET DESCRIPTION

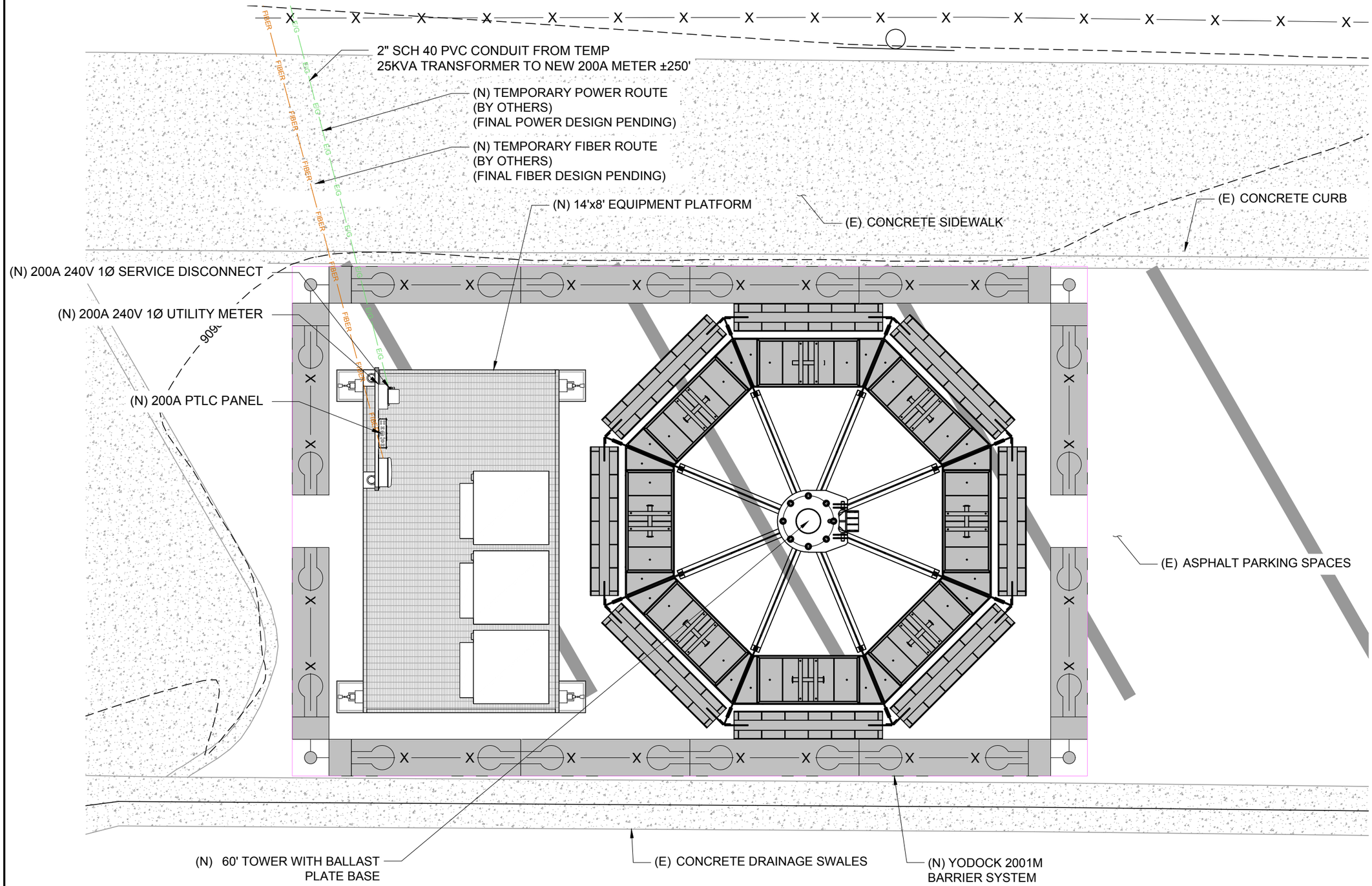
UTILITY SITE PLAN

SHEET NO.

E-1

N W E S

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



2 PLAN: ELECTRICAL SITE
PAGE E-2 SCALE: 1/4" = 1'-0"

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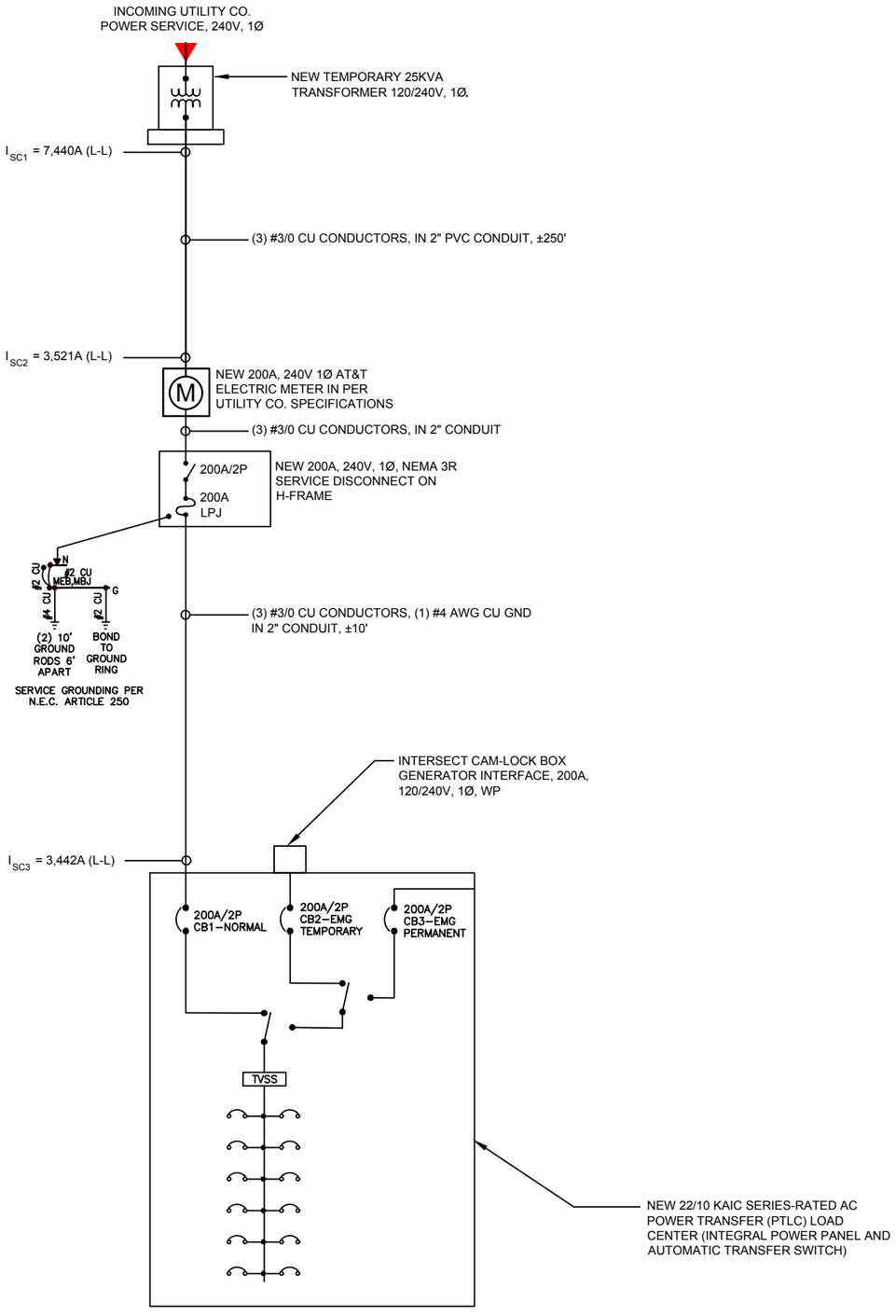
SHEET DESCRIPTION

ELECTRICAL
SITE PLAN

SHEET NO.

E-2

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



NOTES:

1) ALL CIRCUIT BREAKERS AND/OR FUSES SHALL BE SERIES RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT INDICATED. THE SERIES COMBINATION RATINGS SHALL BE MARKED ON THE EQUIPMENT BY THE MANUFACTURER IN ACCORDANCE WITH NEC ARTICLE 110.22 & 240.86.

2) PROVIDE WARNING LABELS PER N.E.C. 110.22 FOR BOTH THE PANEL AND MAIN DISCONNECT. THE MARKING SHALL BE READILY VISIBLE AND STATE THE FOLLOWING:
"CAUTION - SERIES COMBINATION SYSTEM RATED 22KAIC/10KAIC. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED".

PANEL NAME	ATT		
VOLTAGE RATING	120/240	VAC	
CONN. LINE VOLTAGE	240	VAC	
PHASE	1	WIRE	3
BUS TYPE	MAIN BREAKER		
BUS RATING	200	AMPS	
DUAL MAIN BREAKERS	200/200/150	AMPS	

DESCRIPTION	POS	BKR	VA	L1	L2	VA	BKR	POS	DESCRIPTION
RECTIFIER #1 & #2	1	2P30	2000	3800	-	1800	2P25	2	HVAC UNIT #1
	3		2000	-	3800	1800		4	
RECTIFIER #3 & #4	5	2P30	2000	2240	-	240	1P15	6	EXTERIOR LIGHTS
	7		2000	-	2840	840	1P15	8	INTERIOR LIGHTS
RECTIFIER #5 & #6	9	2P30	2000	2180	-	180	1P20	10	EXTERIOR GFCI
	11		2000	-	2000			12	BLANK
RECTIFIER #7 & #8	13	2P30	2000	2000				14	BLANK
	15		2000	-	2000			16	BLANK
FUTURE RECTIFIER (OFF)	17	2P30			-			18	BLANK
	19			-				20	BLANK
FUTURE RECTIFIER (OFF)	21	2P30			-			22	BLANK
	23			-				24	BLANK
BLANK	25				-			26	BLANK
BLANK	27			-				28	BLANK
BLANK	29				-			30	BLANK
BLANK	31			-				32	BLANK
BLANK	33				-			34	BLANK
BLANK	35			-				36	BLANK
BLANK	37				-			38	BLANK
BLANK	39			-				40	BLANK
BLANK	41				-			42	BLANK

LINE 1 = 10,220 VA LINE 2 = 10,640 VA

LINE 1 = 85 AMPERES LINE 2 = 89 AMPERES

TOTAL = 20,860 VA

PANEL CAPACITY (KVA)	48
PANEL LOADING (100% NC LOAD) (KVA)	20.9
PANEL LOADING (125% C LOAD) (KVA)	0.0
PANEL LOADING (TOTAL) (KVA)	20.9
SPARE CAPACITY (KVA)	27.1

PROPOSED AC PANEL SCHEDULE

SHORT CIRCUIT CALCULATIONS BASED UPON POINT METHOD AS ILLUSTRATED IN BUSSMAN PUBLICATION SPD-90.
FAULT VALUES SHOWN ARE FOR LINE-TO-LINE FAULT @ 240 VAC

FAULT CURRENT AT EXISTING 50KVA PAD MOUNT TRANSFORMER SECONDARY:

I_{SC1} = 7,440A

$f_2 = \frac{2.0 \times L \times I_{SC1(L-L)}}{C_2 \times n \times V_{L-L}} = \frac{2.0 \times 250 \times 7,440}{13,923 \times 1 \times 240} = 1.1133$

$M_2 = \frac{1}{1 + f_2} = \frac{1}{1 + 1.1133} = 0.4732$

FAULT CURRENT AT NEW 200A UTILITY METER:

$I_{SC2} = M_2 \times I_{SC1} = 0.4732 \times 7,440 = 3,521A$

$f_2 = \frac{2.0 \times L \times I_{SC2(L-L)}}{C_3 \times n \times V_{L-L}} = \frac{2.0 \times 10 \times 3,521}{12,844 \times 1 \times 240} = 0.0228$

$M_2 = \frac{1}{1 + f_3} = \frac{1}{1 + 0.0228} = 0.9777$

FAULT CURRENT AT NEW 200A PTLC (LOAD CENTER):

$I_{SC2} = M_3 \times I_{SC2} = 0.9777 \times 3,521 = 3,442A$

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SITE INFORMATION

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FRISCO

LTE 1C, 2C, 3C, 4C, 5C, 6C

SITE ID: COL04002

FA#: 10093711

SITE ADDRESS:
103 WEST MAIN STREET
FRISCO, CO 80443

SUMMIT COUNTY

SHEET DESCRIPTION

ONE-LINE DIAGRAM

SHEET NO.

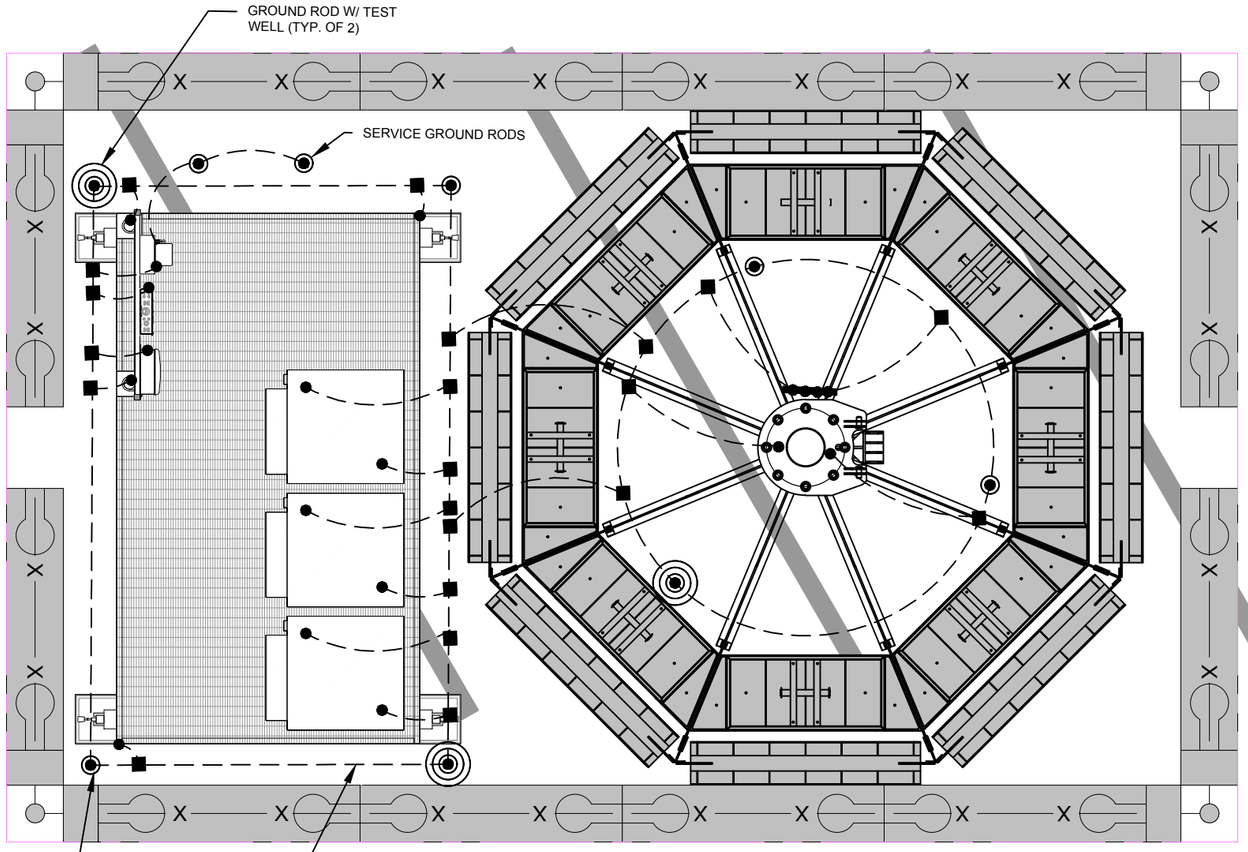
E-3

SINGLE LINE DIAGRAM | NOT TO SCALE | 1

PANEL SCHEDULE AND FAULT CALCULATIONS | NOT TO SCALE | 2

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"

GROUNDING LEGEND	
●	MECHANICAL CONNECTION
■	EXOTHERMIC CONNECTION
━━	GROUND BAR
- - - -	GROUND WIRE



1 PLAN: GROUNDING
PAGE G-1 SCALE: 1/4" = 1'-0"

NOTES:

1. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
2. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
3. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE AND UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
6. ANY EQUIPMENT, BOX, SKID TO BE GROUNDED AND DOES NOT HAVE A DESIGNATED GROUND CONNECTION SHALL BE DRILLED AS NECESSARY TO CONNECT A GROUND WIRE. REMOVE PAINT IN AREA UNDER LUG. APPLY ANTI-OXIDANT COMPOUND AND CONNECT WITH TWO-HOLE, COMPRESSION LUG.
7. GROUND BARS SHALL BE TINNED COPPER AND SHALL BE ENGRAVED OR IMPRESSED "STOLEN-DO NOT RECYCLE" AND/OR "PROPERTY OF AT&T", ETCHED OR STAMPED WITH SITE FA LOCATION AND SECURED WITH ANTI-THEFT HARDWARE.
8. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING FOR GROUND ELECTRODE SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH IEEE STD 81.
9. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. WHEN ADDING ELECTRODES, CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE BETWEEN THE ADDED ELECTRODE AND ANY OTHER EXISTING ELECTRODE EQUAL TO THE BURIED LENGTH OF THE ROD. IDEALLY, CONTRACTOR SHALL STRIVE TO KEEP THE SEPARATION DISTANCE EQUAL TO OR LESS THAN TWICE THE BURIED LENGTH OF THE RODS.
10. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
11. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
12. EACH INTERIOR COMMUNICATION CABINET FRAME/PLINTH SHALL BE ELECTRICALLY ISOLATED FROM GROUNDS AND SHALL BE DIRECTLY CONNECTED TO THE CELL REFERENCE GROUND BAR WITH 6 AWG OR LARGER STRANDED, GREEN INSULATED GROUND WIRES.
13. GROUND WIRING INSTALLED OUTDOOR EXPOSED SHALL BE 600V, GREEN SUNLIGHT RESISTANT UL LISTED TYPE THW OR THWN OR XHHW, ANNEALED, TINNED, OR UN-TUNNED CLASS B OR CLASS I STRANDED COPPER, SIZE 6 UNLESS OTHERWISE SPECIFIED.
14. GROUND RODS SHOULD BE SPACED AT APPROXIMATELY TWICE THEIR LENGTH AS PER ATT-TP-76416 SPECIFICATIONS.

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CCI systems

DRAWING SCALES ARE INTENDED FOR 11"x17" SIZE PRINTED MEDIA ONLY.

SUBMITTALS

REV	DESCRIPTION	DATE	DRN BY:	REV BY:	APP BY:
A	90% COMPLETE CD	01/21/2026	JED	OAM	MJC
B	90% COMPLETE CD	03/14/2026	JED	OAM	MJC
0	100% COMPLETE CD	03/20/2026	JED	OAM	MJC
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SUMMIT COUNTY

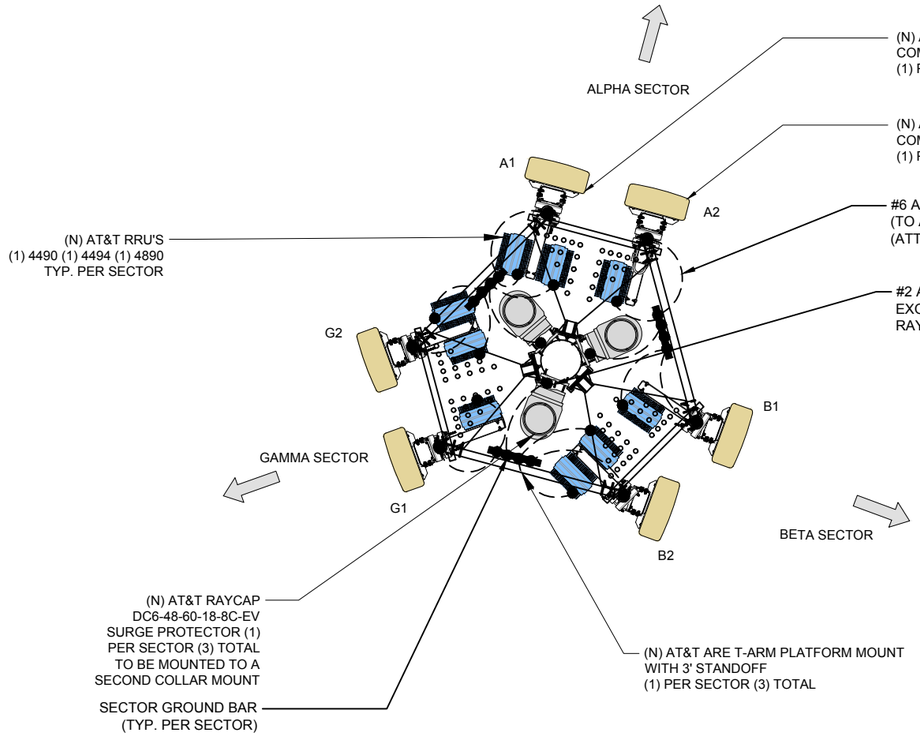
SHEET DESCRIPTION

GROUNDING PLAN

SHEET NO.

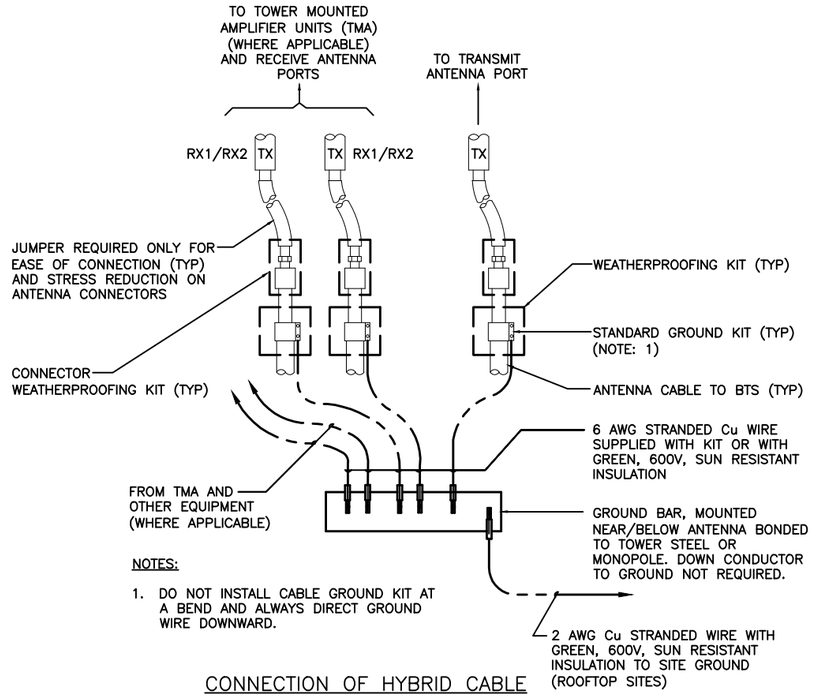
G-1

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



2 PLAN: ANTENNA GROUNDING
PAGE G-2 SCALE: 1/4" = 1'-0"

GROUNDING LEGEND	
●	MECHANICAL CONNECTION
■	EXOTHERMIC CONNECTION
▬	SECTOR GROUND BAR
- - - -	GROUND WIRE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWNWARD.

CONNECTION OF HYBRID CABLE GROUND WIRE TO GROUND BAR (TOWER/MONOPOLE/ROOFTOP)

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SUMMIT COUNTY

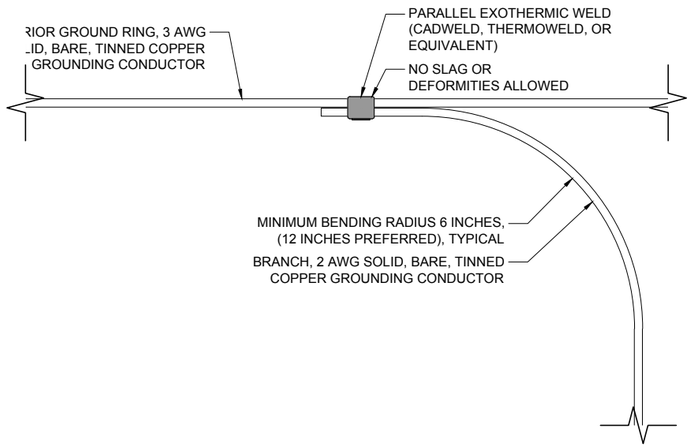
SHEET DESCRIPTION

ANTENNA GROUNDING PLAN

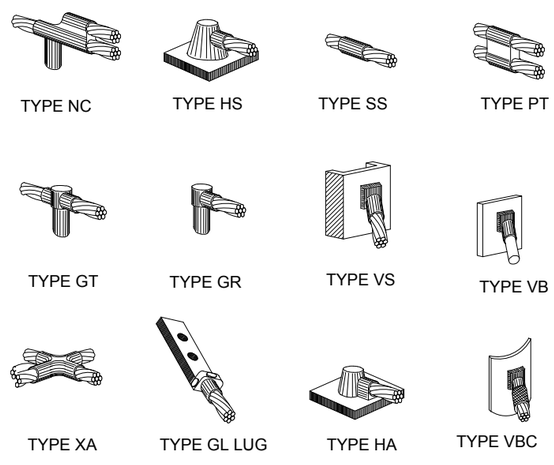
SHEET NO.

G-2

ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



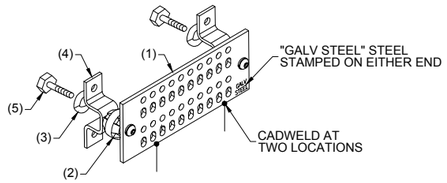
TYPICAL EXTERIOR GROUND RING CONNECTION | 1



NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN C0NNECTING GROUND RING TO GROUND ROD.

CADWELD GROUNDING CONNECTIONS | 4



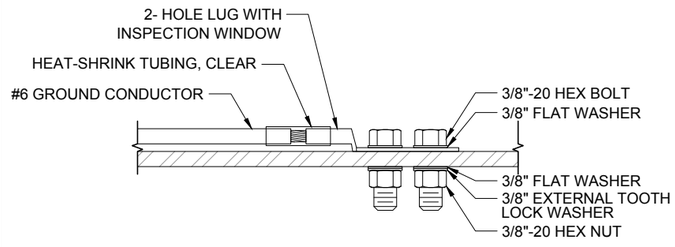
GROUND BAR | 2

LEGEND

(1) GALVANIZED STEEL GROUND BAR, BY ELECTRIC MOTION COMPANY (SEE SCHEDULE BELOW).
(2) INSULATORS, BY HARGER CAT. #5263-A5.
(3) 5/8 " LOCKWASHERS, STAINLESS STEEL.
(4) WALL MOUNTING BRACKET, HARGER CAT. #WBKT-2.
(5) 5/8-11x3" H.H.C.S. BOLTS, STAINLESS STEEL.

GROUND BAR SCHEDULE				
TYPE	QTY.	MANUFACTURER	CAT. NO.	REMARKS
CGB	3	ELECTRIC MOTION COMPANY	EM SGC412-VZW	OR EQUAL
MGB	2	ELECTRIC MOTION COMPANY	EM SGC424-VZW	OR EQUAL

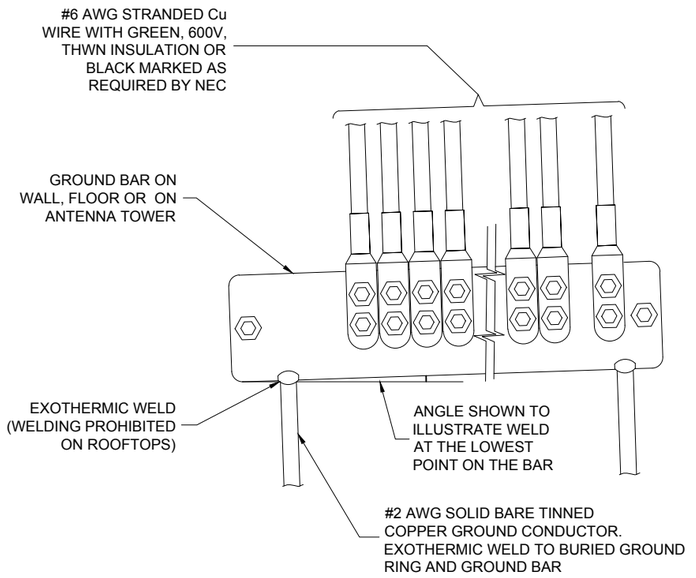
HARDWARE SCHEDULE		
CONDUCTOR SIZE	BURNDY LUG	FASTENER SIZE
#6 AWG, GREEN INSULATED	YA6C-2TC38	3/8"-16 NC SS, 2 BOLT
#2 AWG, SOLD TINNED	YA3C-2TC38	3/8"-16 NC SS, 2 BOLT
#2 AWG, STRANDED	YA2C-2TC38	3/8"-16 NC SS, 2 BOLT
#2/0 AWG, STRANDED	YA26-2TC38	3/8"-16 NC SS, 2 BOLT
#4/0 AWG, STRANDED	TA28-2N	1/2"-16 NC SS, 2 BOLT



INSTALLATION NOTES:

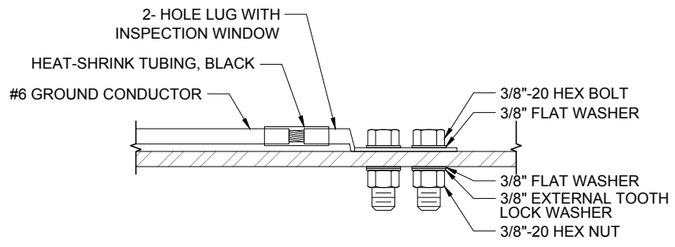
1. SELECT BOLT LENGTHS TO PROVIDE MINIMUM OF 3 EXPOSED THREADS
2. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT
3. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND
4. ALL BUSS BARS TO BE CADWELDED, MECHANICAL LUGS ARE PROHIBITED

INTERIOR GROUND BAR LUG | 5



SECTOR GROUND BAR | 3

HARDWARE SCHEDULE		
CONDUCTOR SIZE	BURNDY LUG	FASTENER SIZE
#6 AWG, GREEN INSULATED	YA6C-2TC38	3/8"-16 NC SS, 2 BOLT
#2 AWG, SOLD TINNED	YA3C-2TC38	3/8"-16 NC SS, 2 BOLT
#2 AWG, STRANDED	YA2C-2TC38	3/8"-16 NC SS, 2 BOLT
#2/0 AWG, STRANDED	YA26-2TC38	3/8"-16 NC SS, 2 BOLT
#4/0 AWG, STRANDED	TA28-2N	1/2"-16 NC SS, 2 BOLT



INSTALLATION NOTES:

1. SELECT BOLT LENGTHS TO PROVIDE MINIMUM OF 3 EXPOSED THREADS
2. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT
3. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND
4. ALL BUSS BARS TO BE CADWELDED, MECHANICAL LUGS ARE PROHIBITED

EXTERIOR GROUND BAR LUG | 6

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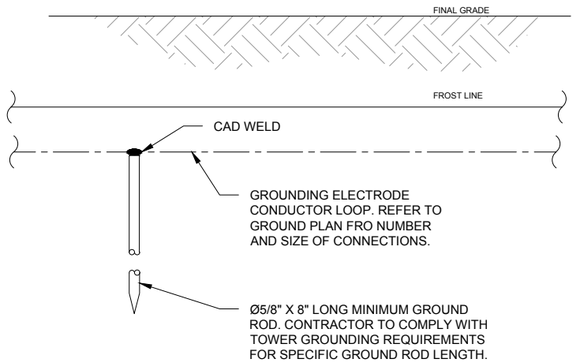
SHEET DESCRIPTION

GROUNDING DETAILS

SHEET NO.

G-3

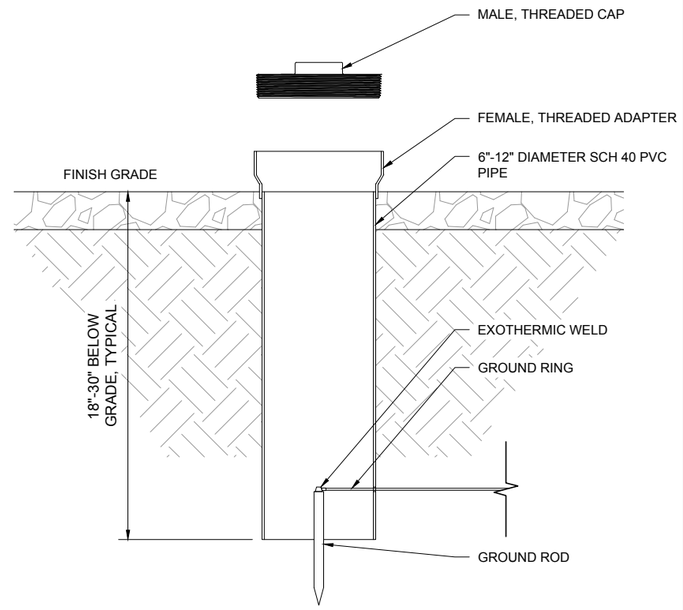
ORIGINAL DRAWING SIZE: ANSI B, 11.00" X 17.00"



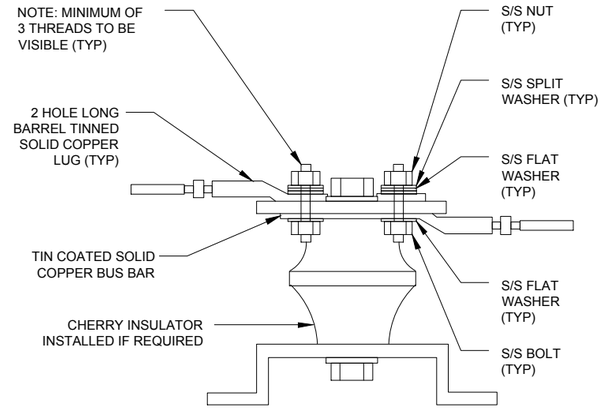
NOTE:

1. GROUND ROD TO BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE, WHICH EVER IS GREATER, AS PER NEC ARTICLE 250-50(D)

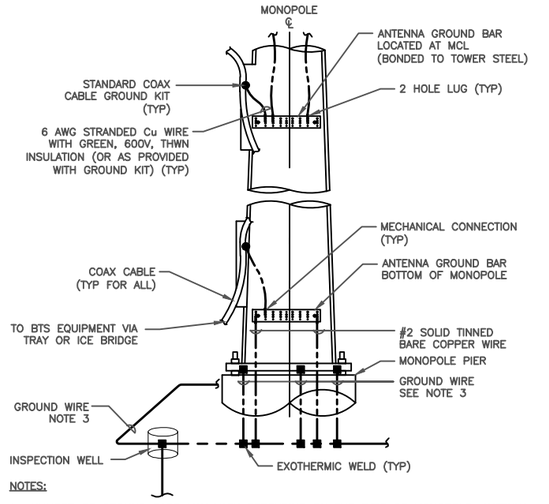
GROUND ROD | 1



GROUND ROD WITH TEST WELL | 2



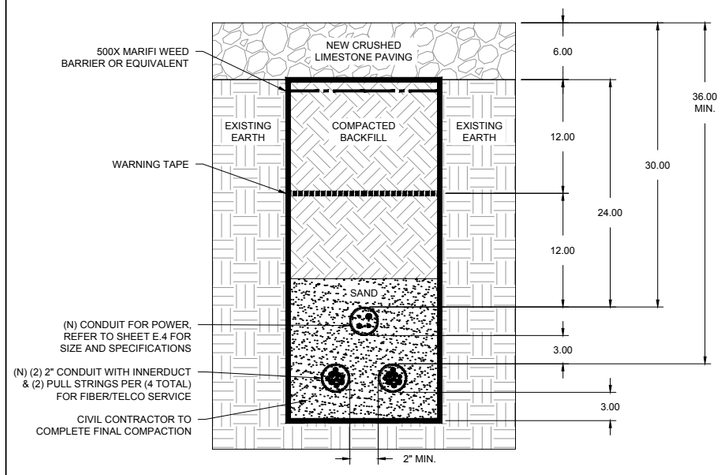
LUG DETAIL | 3



NOTES:

1. NUMBER OF GROUND BARS MAY VARY DEPENDING ON THE TYPE OF MONOPOLE, ANTENNA LOCATION AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET IN/ON THE POLE SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222 AND NFPA 780. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE 2/0 AWG. STRANDED IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FROM 8 FEET TO 10 FEET.

TYPICAL ANTENNA CABLE GROUNDING | 4



TRENCH DETAILS | 5

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