



**THE PLANNING, ZONING AND HISTORICAL APPROPRIATENESS COMMISSION
(PZHAC) WILL HOLD A REGULAR MEETING AT THE MESILLA TOWN HALL, 2231
AVENIDA DE MESILLA.**

MONDAY FEBRUARY 6, 2023, AT 2:30 P.M.

AGENDA

- 1. PLEDGE OF ALLEGIANCE**
- 2. ROLL CALL AND DETERMINATION OF A QUORUM**
- 3. CHANGES / APPROVAL OF AGENDA**
- 4. PUBLIC INPUT**

The public is invited to address the commission regarding items listed on the agenda as allowed by the chair. You can also email your comments to clerktreasurer@mesillanm.gov at least twenty-four (24) hours prior to the meeting.

- 5. APPROVAL OF CONSENT AGENDA**

Note: Items on the Consent Agenda, indicated by an asterisk (), will be voted on with one motion unless a commissioner requests that a specific item be removed for discussion.*

- a. *PZHAC MINUTES:** December 19, 2022, January 3, 2023 Regular Meeting Minutes

- 6. NEW BUSINESS**

- a. PZHAC Case #061517** – 1010 Calle de El Paso, submitted by Kent Chen to remove and repair 5 windows. No changes to openings on windows. **Zoned: Rural Farm (RF)**
- b. PZHAC Case #061518** – 3385 Avenida de Mesilla, submitted by Pedro Jurado to add an antenna per sector (total of 3), and 3/50 AMP breakers for AIR 6449 B77D ground equipment as per plans for an existing carrier on an existing wireless communication facility. **Zones: Residential Agriculture (RA)**
- c. Election of Officers** - elect from its membership a chairperson, vice-chairperson and secretary. Officers shall serve for a one-year term and may succeed themselves.

- 7. DISCUSSION- PZHAC ROLE**

- 8. COMMISSIONERS / STAFF COMMENTS**

- 9. ADJOURNMENT**

NOTICE

If you need an accommodation for a disability to enable you to fully participate in the hearing or meeting, please contact us at 524-3262 at least 48 hours prior to the meeting.

Posted on 1/13/2023 at the following locations: Town Hall - 2231 Avenida de Mesilla; Public Safety Building - 2670 Calle de Parian; Mesilla Community Center - 2251 Calle de Santiago; Shorty's Food Mart - 2290 Avenida de Mesilla; Ristramn - 2531 Avenida de Mesilla, and the U.S. Post Office - 2253 Calle de Parian.



TOWN OF MESILLA
 PERMISSION TO CONDUCT WORK
 OR

OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT

OFFICIAL USE ONLY:

Case # _____
 Fee \$ 95⁰⁰

86⁰⁰
 15⁰⁰

2231 Avenida de Mesilla, P.O. Box 10, Mesilla, NM 88046 (575) 524-3262 ext. 104

CASE NO. 061517 ZONE: RF CODE: _____ APPLICATION DATE: 8/12/22

Name of Applicant/Owner: Kent Chen
 Applicant's Telephone Number: (303) 994-1366
 Applicant's/Owner's Mailing Address: 1010 Calle De El Paso City: Las Cruces State: NM Zip Code: 88005
 Applicant's/Owner's E-mail Address: lascruceswindowworld@gmail.com

Contractor's Name & Address (if none indicate Self): Window World of Las Cruces 250 W. Telshor Las Cruces, NM 88011
 Contractor's Telephone Number: 575-532-9390 Contractor's Tax ID Number: 81-4803551 Contractor's License Number: 391055

Address of Proposed Work: 1010 calle de El Paso Las Cruces, NM 88005
 Description of Proposed Work: Remove and Replace 5 windows. No changes to openings

Estimated Cost: \$2633.48 Signature of Applicant: [Signature] Date: 8/12/22

Signature of property owner if applicant is not the property owner: _____

With the exception of administrative approvals, all permit requests must undergo a review process from staff, PZHAC and BOT before issuance of a building permit. Recorded proof of ownership with legal description of property (deed or current tax bill) along with verification of legally subdivided status of the property are required. *Plan sheets are to be no larger than 11 x 17 inches.*

FOR OFFICIAL USE ONLY

PZHAC Administrative Approval: _____ BOT Approved Date: _____
 Approved Date: 2/6/23 Disapproved Date: _____
 Disapproved Date: _____
 Approved with conditions Approved with Conditions

FIRE INSPECTION/APPROVAL REQUIRED: YES NO SEE CONDITIONS

CID PERMIT/INSPECTION REQUIRED: YES NO SEE CONDITIONS

CONDITIONS: _____

PERMISSION ISSUED/DENIED BY: [Signature] ISSUE DATE: 2/7/23

This Application will include the following, if checked:

1. Plot plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was legally subdivided through the Town of Mesilla or that the lot has been in existence prior to February 1972.
2. Site Plan with dimensions and details.
3. Proof of legal access to the property.
4. Drainage plan.
5. Architectural style and color scheme - diagrams or elevations (Historical and commercial zones only).
6. Proof of sewer service or a copy of septic tank permit; proof of water service (well permit or statement from the Public Utility providing water services).
7. Other information as necessary or required by the City Code or Community Development:

Sales Person:



Customer Acknowledgement
Quote Date 10/27/2022
Date Ordered 10/27/2022

Dealer Name:

765480 WINDOW WORLD OF LAS CRUCES-005-765480-0

Bill To:

WINDOW WORLD OF LAS CRUCES
250 N TELS HOR BLVD
LAS CRUCES NM 88011

Ship To:

WINDOW WORLD OF LAS CRUCES
250 N TELS HOR BLVD
LAS CRUCES NM 88011

Job Info

Phone: (575) 532-9390 Fax:

Order Notes:

Delivery Notes:

Quote Name:

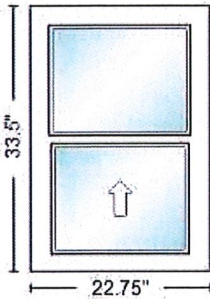
Project Name:

Chen, Kent

Chen, Kent

QUOTE #	RUSH	STATUS	PO#
4090055	No	Ordered	213-3339

Line Item #	Qty	Width x Height	UI	Description
1	1	22.75" X 33.5"	57	

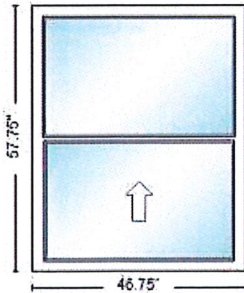


03S0-New 4000 Series Single Hung 22 3/4 x 33 1/2
 Frame Width = 22.75, Frame Height = 33.5, Sash Split = Even
 Operation / Venting = Single Hung
 Frame Option = Standard Block Frame, Composite Reinforcement
 Frame Color = White, Exterior Finish = No Exterior Finish
 SolarZone Elite, Double Strength, Glass Breakage Warranty
 Standard Screen
 U-Factor = 0.28, CR = 58, SHGC = 0.21, VT = 0.49, CPD = ASO-A-92-69232-00001
 Header Expander, Foam Wrap, Net Overall
Line Item Notes:

Comment / Room:

LINE 1

Line Item #	Qty	Width x Height	UI	Description
2	1	46.75" X 57.75"	105	



03S0-New 4000 Series Single Hung 46 3/4 x 57 3/4
 Frame Width = 46.75, Frame Height = 57.75, Sash Split = Even
 Operation / Venting = Single Hung
 Frame Option = Standard Block Frame, Composite Reinforcement
 Frame Color = White, Exterior Finish = No Exterior Finish
 SolarZone Elite, Double Strength, Glass Breakage Warranty
 Standard Screen
 U-Factor = 0.28, CR = 58, SHGC = 0.21, VT = 0.49, CPD = ASO-A-92-69232-00001
 Header Expander, Foam Wrap, Net Overall
Line Item Notes:

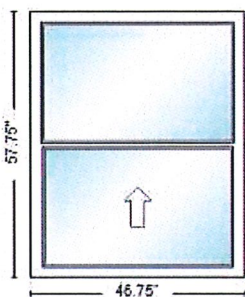
Comment / Room:

LINE 2

QUOTE #	RUSH	STATUS	PO#
4090055	No	Ordered	213-3339

Line Item #	Qty	Width x Height	UI	Description
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3 1 46.75" X 57.75" 105



03S0-New 4000 Series Single Hung 46 3/4 x 57 3/4
 Frame Width = 46.75, Frame Height = 57.75, Sash Split = Even
 Operation / Venting = Single Hung
 Frame Option = Standard Block Frame, Composite Reinforcement
 Frame Color = White, Exterior Finish = No Exterior Finish
 SolarZone Elite, Double Strength, Glass Breakage Warranty
 Standard Screen
 U-Factor = 0.28, CR = 58, SHGC = 0.21, VT = 0.49, CPD = ASO-A-92-69232-00001
 Header Expander, Foam Wrap, Net Overall

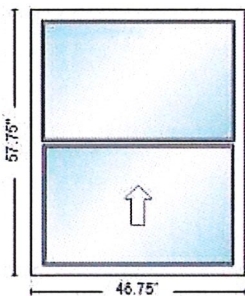
Line Item Notes:

Comment / Room:

LINE 3

Line Item #	Qty	Width x Height	UI	Description
-------------	-----	----------------	----	-------------

4 1 46.75" X 57.75" 105



03S0-New 4000 Series Single Hung 46 3/4 x 57 3/4
 Frame Width = 46.75, Frame Height = 57.75, Sash Split = Even
 Operation / Venting = Single Hung
 Frame Option = Standard Block Frame, Composite Reinforcement
 Frame Color = White, Exterior Finish = No Exterior Finish
 SolarZone Elite, Double Strength, Glass Breakage Warranty
 Standard Screen
 U-Factor = 0.28, CR = 58, SHGC = 0.21, VT = 0.49, CPD = ASO-A-92-69232-00001
 Header Expander, Foam Wrap, Net Overall

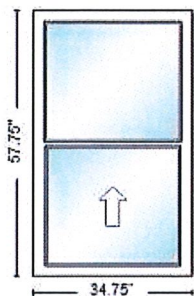
Line Item Notes:

Comment / Room:

LINE 4

Line Item #	Qty	Width x Height	UI	Description
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5 1 34.75" X 57.75" 93



03S0-New 4000 Series Single Hung 34 3/4 x 57 3/4
 Frame Width = 34.75, Frame Height = 57.75, Sash Split = Even
 Operation / Venting = Single Hung
 Frame Option = Standard Block Frame, Composite Reinforcement
 Frame Color = White, Exterior Finish = No Exterior Finish
 SolarZone Elite, Double Strength, Glass Breakage Warranty
 Standard Screen
 U-Factor = 0.28, CR = 58, SHGC = 0.21, VT = 0.49, CPD = ASO-A-92-69232-00001
 Header Expander, Foam Wrap, Net Overall

Line Item Notes:

Comment / Room:

LINE 5

QUOTE #	RUSH	STATUS	PO#
4090055	No	Ordered	213-3339

Customer Notes:


Total Unit Count	5
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ATTENTION

Please note that all weights provided are estimates and subject to change based on actual order shipment.
For Informational Purposes: All windows are viewed from the outside looking in.

NOTICE: The rating information provided on this quote is based upon the NFRC ratings at the time of quote. Such ratings are subject to changes in the standard by the applicable regulatory agencies and will be finalized at the time of manufacturing. All ratings printed on the NFRC label will supersede the NFRC rating set forth in the quote. Any changes made to an order after submission may also result in changes to the NFRC rating. Customer shall be solely responsible for determining whether the product ordered meets their jurisdiction's requirements.

In accordance with the state of California:

 **WARNING:** Cancer and Reproductive Harm - www.p65Warnings.ca.gov

This order is subject to AMI's Standard Terms and Conditions, which can be found here:
<https://www.associatedmaterials.com/resources/>

Want to see real-time status for window orders? Register here for the Associated Materials Customer Portal – Portal.associatedmaterials.com/account/register

I have reviewed this order and certify that it is correct. I understand that this order is noncancellable, nonreturnable, and nonrefundable.

By _____ Authorized Representative

STATE OF NEW MEXICO
CONSTRUCTION INDUSTRIES DIVISION

WINDOW WORLD OF LAS CRUCES

LICENSE NUMBER

391055

Qualifying Party(S)

TUBBS KEVIN

EXPIRES

02/28/2023

CLASSIFICATION(S)

GS14



Chris Bailey
DIRECTOR

This card is the property of the CID and shall be surrendered upon demand



2124437

JUL 30, 2021 03:38:49 PM

PAGES: 2

WARRANTY DEED

Deputy: Tonya Wall

Amanda López Askin, County Clerk, Dona Ana, NM



Southwestern Abstract & Title Co.
5344-PS-2021

WARRANTY DEED (JOINT TENANTS)

George J. Gilson and Grace M. Gilson, Trustees of George J. Gilson and Grace M. Gilson Revocable Trust dated February 22, 2018, for consideration paid, grant to Kent K.N. Chen and Sonja Spiegel, husband and wife, as joint tenants, whose address is 7459 South Depew Street, Littleton, CO 80128, the following described real estate in Dona Ana County, New Mexico:

A triangular tract of land situate in Section 23 & 26, T.23S., R.1E., N.M.P.M. of the U.S.R.S. Surveys, being U.S.R.S. Tract 9D-57 and located in Town of La Mesilla, Dona Ana County, New Mexico and more particularly described in Exhibit "A", attached hereto and made a part hereof:

SUBJECT TO: Restrictions, Reservations and Easements of record.

with warranty covenants.

Witness its hand and seal this 29th day of July, 2021.

George J. Gilson and Grace M. Gilson Revocable Trust dated February 22, 2018

By: *George J. Gilson*
George J. Gilson, Trustee

By: *Grace M. Gilson*
Grace M. Gilson, Trustee

ACKNOWLEDGEMENT

STATE OF ALASKA
COUNTY OF BETHEL

This instrument was acknowledged before me on this 29th day of July, 2021 by George J. Gilson and Grace M. Gilson, Trustees of George J. Gilson and Grace M. Gilson Revocable Trust dated February 22, 2018.

S.C. Symmes
Signature of notarial officer

My commission expires: 6/30/2024
6/30/2024

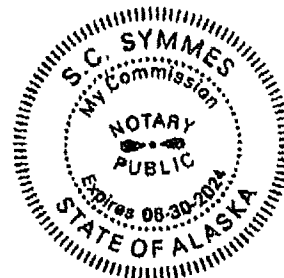


Exhibit "A"
Property Description

A triangular tract of land situate in Section 23 & 26, T.23S., R.1E., N.M.P.M. of the U.S.R.S. Surveys, being U.S.R.S. Tract 9D-57 and located in Town of La Mesilla, Dona Ana County, New Mexico and more particularly described as follows to wit:

Beginning at a concrete monument found on the intersection of the South line of the Mesilla Drain and West line of New Mexico State Highway 292 for the most Northerly point of U.S.R.S. Tract 9D-57 and for the most Northerly point of the tract herein described;

Thence from the point of beginning along the West line of the State Highway S.34 deg. 50'33"E., 544.50 feet to a 1/2" iron rebar set for the Easterly corner of the tract herein described;

Thence leaving the Highway S.66 deg. 52'46"W., 619.76 feet to a 1/2" rebar set on the South line of the Mesilla Drain for the Westerly corner of the tract described;

Thence along the Drain N.19 deg. 33'59"E., 619.59 feet to a 1/2" rebar set for an angle point of the tract herein described;

Thence continuing along the Drain N.25 deg. 46'30"E., 118.19 feet to the point of beginning, containing 3.8833 acres of land, more or less.



PAID

TOWN OF MESILLA
APPLICATION FOR BUILDING PERMIT

Permit Fee \$370.00
Review Fee \$55.00
Total Fee \$425.00

2231 Avenida de Mesilla, P.O. Box 10, Mesilla, NM 88046 (575) 524-3262 ext. 104

CASE NO. 061514 ZONE: ACC CODE: ACC APPLICATION DATE: 1.17.2023

JURADO, PEDRO D New Cingular Wireless PCS, LLC by Crown Castle USA Inc. 602.598.7252
Name of Property Owner Property Owner's Telephone Number
300 S MOTEL BLVD LAS CRUCES NM 88007
Property Owner's Mailing Address City State Zip Code
franita.stapleton@crowncastle.comg
Property Owner's E-mail Address
Velex (Nexius) 4455 E. Nunneley Rd. Gilbert, AZ 85296
Contractor's Name & Address (If none, indicate Self)
945 213-2559 Contractor's Telephone Number ROC # 328391
Contractor's Tax ID Number Contractor's License Number

Address of Proposed Work: 3385 AVENIDA DE MESILLA (HIGHWAY 28)

Description of Proposed Work: Add an antenna per sector (total of 3), and 3 50 AMP breakers for AIR 6449 B77D ground equipment as per plans for an existing carrier on an existing wireless communication facility.

THIS APPLICATION SHALL INCLUDE ALL OF THE FOLLOWING Plan sheets are to be no larger than 11 x 17 inches or shall be submitted electronically.

- 1. X Plot plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was LEGALLY subdivided through the Town of Mesilla or that the lot has been in existence prior to February 1972.
2. X Site Plan with dimensions and details.
3. Foundation plan with details.
4. Floor plan showing rooms, their uses, and dimensions.
5. Cross section of walls.
6. Roof and floor framing plan.
7. Proof of legal access to the property.
8. Drainage plan.
9. Details of architectural style and color scheme (checklist included for Historical zones) - diagrams and elevations.
10. Proof of sewer service or a copy of septic tank permit; proof of water service (well permit or statement from the Public Utility providing water services).
11. X Proof of legal access to the property.
12. Other information as necessary or required by the Town Code or Community Development Department.

\$30,000.00
Estimated Cost

Franita Stapleton
Signature of Applicant

1.17.2023
Date

Application Fee is due at time of submittal. Apart from administrative approvals, all permit requests must undergo a review process from staff, PZHAC and/or BOT before issuance of a building permit. All Building permits expire after one year from date issued.

FOR OFFICIAL USE ONLY

PZHAC [] Administrative Approval [] Approved Date:
[] Approved Date:
[] Disapproved Date:
[] Disapproved Date:
[] Approved with conditions [] Approved with Conditions

PZHAC APPROVAL REQUIRED: YES NO BOT APPROVAL REQUIRED: YES NO

CID PERMIT/INSPECTION REQUIRED: YES NO SEE CONDITIONS

CONDITIONS:

PERMISSION ISSUED / DENIED BY: ISSUE DATE:



2055 S Stearman Dr
Chandler, AZ 85286

Phone: (602) 598-7252
www.crowncastle.com

Project Data Sheet	
Business Unit (BU)	858163
Application/Order Number	624467
Crown Castle Site Name	ZOD_ALLTEL_NMLC_ELP_PICACHO
Customer Site Number	WTEN005668
Site Address	3385 AVENIDA DE MESILLA (HIGHWAY 28)
Site City, State, Zip	LAS CRUCES, NM 88005
Parcel Tax ID	04-00872
Applicant / Agent	New Cingular Wireless PCS, LLC by Crown Castle USA Inc.
Agent Address	2055 S Stearman Dr
Agent phone number	(602) 598-7252
Carrier	AT&T Mobility
Scope of work	Add or replace antennas, ancillary equipment and ground equipment as per plans for an existing carrier on an existing wireless communication facility.
Property Owner	JURADO, PEDRO D
Property Owner Address	300 S MOTEL BLVD, LAS CRUCES, NM 88007
Structure Type	MONOPOLE
Structure Height	63.5 FT
Antenna Equipment Height	65
Size of Compound Sq. Ft.	836 sq ft
Latitude	32° 15' 58.7"
Longitude	-106° 47' 7.2"
Zoning Jurisdiction	COUNTY OF DONA ANA, NM
Zoning Jurisdiction Address	845 N. MOTEL BLVD., LAS CRUCES, NM 88007
Permitting Jurisdiction	COUNTY OF DONA ANA, NM
Permitting Jurisdiction Address	845 N. MOTEL BLVD., LAS CRUCES, NM 88007



2055 S Stearman Dr
Chandler, AZ 85286

Phone: (602) 598-7252
www.crowncastle.com

January 17, 2023

COUNTY OF DONA ANA, NM
Community Development/Building Services
845 N. MOTEL BLVD.
LAS CRUCES, NM 88007

Via Electronic Delivery

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

RE: Request for Minor Modification to Existing Wireless Facility – Section 6409
Site Address: 3385 AVENIDA DE MESILLA (HIGHWAY 28), LAS CRUCES, NM 88005
Crown Site Number: 858163 / Crown Site Name: ZOD_ALLTEL_NMLC_ELP_PICACHO
Customer Site Number: WTEN005668 / Application Number: 624467

Attention Community Development/Building Services:

On behalf of New Cingular Wireless PCS, LLC (“AT&T Mobility” or “Applicant”), Crown Castle USA Inc. (“Crown Castle”) is pleased to submit this request to modify the existing wireless facility noted above through the collocation, replacement and/or removal of the Applicant’s equipment as an eligible facilities request for a minor modification under Section 6409¹ and the rules of the Federal Communications Commission (“FCC”).²

Section 6409 mandates that state and local governments must approve any eligible facilities request for the modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station. Under Section 6409, to toll the review period, if the reviewing authority determines that the application is incomplete, it must provide written notice to the applicant within 30 days, which clearly and specifically delineates all missing documents or information reasonably related to whether the request meets the federal requirements.³ Additionally, if a state or local government, fails to issue any approvals required for this request within 60 days, these approvals are deemed granted. The FCC has clarified that the 30-day and 60-day deadlines begins when an applicant: (1) takes the first step required under state or local law; and (2) submits information sufficient to inform the jurisdiction that this modification qualifies under the federal law⁴. Please note that with the submission of this letter and enclosed items, the thirty and sixty-day review periods have started. Based on this filing, the deadline for written notice of incomplete application is February 16, 2023, and the deadline for issuance of approval is March 18, 2023.

¹ Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, § 6409 (2012) (codified at 47 U.S.C. § 1455).
² *Acceleration of Broadband Deployment by Improving Wireless Facility Siting Policies*, 29 FCC Rcd. 12865 (2014) (codified at 47 CFR § 1.6100); and *Implementation of State & Local Governments’ Obligation to Approve Certain Wireless Facility Modification Requests Under Section 6409(a) of the Spectrum Act of 2012*, WT Docket No. 19-250 (June 10, 2020).
³ See 47 CFR § 1.6100 (c)(3). ⁴ See 2020 Upgrade Order at paragraph 16.

The Foundation for a Wireless World

CrownCastle.com



2055 S Stearman Dr
Chandler, AZ 85286

Phone: (602) 598-7252
www.crowncastle.com

The proposed scope of work for this project includes:

Add or replace antennas, ancillary equipment and ground equipment as per plans for an existing carrier on an existing wireless communication facility.

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

- (1) Building Permit;
- (2) Construction Drawings;
- (3) Structural Analysis; and
- (4) Section 6409 Substantial Change Checklist.

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

Deployment of AT&T upgraded technologies in the subject area will improve public safety by putting advanced wireless technologies into the hands of public safety agencies and first responders.

Due to the public safety benefits associated with this EFR, AT&T respectfully requests that the requisite approvals and building permit be issued within 15 days but no later than 60 days from the date of this letter, so that AT&T can proceed with this important modification expeditiously thereafter. If you have any questions regarding this application, please contact me.

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

Regards,

Fra.Nita Stapleton

FraNita Stapleton
Site Acquisition Specialist
Crown Castle, Agent for Applicant
(602) 598-7252
Franita.Stapleton@crowncastle.com

The Foundation for a Wireless World

CrownCastle.com



2055 S Stearman Dr
Chandler, AZ 85286

Phone: (602) 598-7252
www.crowncastle.com

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

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

Criteria for Towers Outside the Public Rights of Way

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

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

Date: **October 11, 2022**



Crown Castle
2000 Corporate Drive
Canonsburg, PA 15317
(724) 416-2000

Subject: **Structural Analysis Report**

Carrier Designation: **AT&T Mobility Co-Locate**
Site Number: WTEN005668
Site Name: NMLC ELP PICACHO
FA Number: 10139214

Crown Castle Designation: **BU Number:** 858163
Site Name: ZOD_ALLTEL_NMLC_ELP_PICACHO
JDE Job Number: 723925
Work Order Number: 2163798
Order Number: 624467 Rev. 0

Engineering Firm Designation: **Crown Castle Project Number:** 2163798

Site Data: **3385 AVENIDA DE MESILLA (HIGHWAY 28)**
LAS CRUCES, DONA ANA County, NM
Latitude 32° 15' 58.7", Longitude -106° 47' 7.2"
63.5 Foot - Monopole Tower

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

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

LC5: Proposed Equipment Configuration **Sufficient Capacity**

This analysis utilizes an ultimate 3-second gust wind speed of 115 mph as required by the 2015 International Building Code. Applicable Standard references and design criteria are listed in Section 2 - "Analysis Criteria".

Structural analysis prepared by: Nicholas Cvetic

Respectfully submitted by:

Maribel Dentinger
Maribel Dentinger, P.E.
Senior Project Engineer

Maribel
Dentinger

Digitally signed by
Maribel Dentinger
Date: 2022.10.11
17:56:31 -04'00'



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Additional Calculations

1) INTRODUCTION

This tower is a 63.5 ft monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-H
 Risk Category: II
 Wind Speed: 115 mph
 Exposure Category: C
 Topographic Factor: 1
 Service Wind Speed: 60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
62.0	65.0	3	andrew	SBNHH-1D65B w/ Mount Pipe	3 4 3	7/8 13/16 3/8
		6	commscope	NNHH-65B-R4_CCIV2 w/ Mount Pipe		
		3	ericsson	AIR 6449 B77D_CCIV3 w/ Mount Pipe		
		3	ericsson	RRUS 32 B66A		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		1	raycap	DC6-48-60-18-8F		
		1	raycap	DC6-48-60-18-8F_CCIV2		
	1	raycap	DC9-48-60-24-8C-EV_CCIV2			
	62.0	1	site pro 1	RMQP-40126-HK		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	4575413	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	6702257	CCISITES
4-TOWER MANUFACTURER DRAWINGS	6702238	CCISITES

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 3 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	63.5 - 37.83	Pole	TP25.52x22.69x0.1875	1	-5.7580	913.1871	19.6	Pass
L2	37.83 - 0	Pole	TP32.61x24.7933x0.25	2	-10.1069	1577.2469	28.4	Pass
							Summary	
						Pole (L2)	28.4	Pass
						Rating =	28.4	Pass

Table 4 - Tower Component Stresses vs. Capacity - LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	24.4	Pass
1	Base Plate	0	20.6	Pass
1	Base Foundation (Structure)	0	19.7	Pass
1	Base Foundation (Soil Interaction)	0	33.2	Pass

Structure Rating (max from all components) =	33.2%
---	--------------

Notes:

- 1) See additional documentation in "Appendix C - Additional Calculations" for calculations supporting the % capacity consumed.

4.1) Recommendations

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

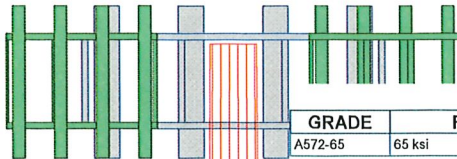
APPENDIX A
TNXTOWER OUTPUT

Section	1	2
Length (ft)	25.6700	41.0200
Number of Sides	18	18
Thickness (in)	0.1875	0.2500
Socket Length (ft)	3.1900	24.7933
Top Dia (in)	22.6900	32.6100
Bot Dia (in)	25.5200	
Grade	A572-65	
Weight (K)	1.2	3.2

63.5 ft

37.8 ft

0.0 ft

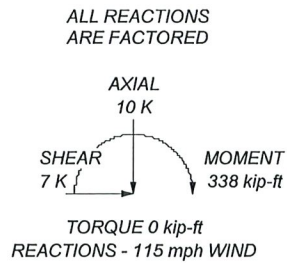


MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Dona Ana County, New Mexico.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 115 mph basic wind in accordance with the TIA-222-H Standard.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.0000 ft
7. TOWER RATING: 28.4%



<p>CROWN CASTLE The Pathway to Possible</p>	<p><i>Crown Castle</i> 2000 Corporate Drive Canonsburg, PA 15317 Phone: (724) 416-2000 FAX:</p>		<p>Job: BU# 858163</p>
	Project:	Client: Crown Castle	App'd:
	Code: TIA-222-H	Drawn by: NCvetic	Scale: NTS
	Path:	Date: 10/11/22	Dwg No. E-1
	<p><small>Y:\ncast\p\cad\Structural Work Area\450000-859299\858163\WO 2163798 - SA\Prof\858163.cad</small></p>		

Tower Input Data

The tower is a monopole.
 This tower is designed using the TIA-222-H standard.
 The following design criteria apply:

- Tower is located in Dona Ana County, New Mexico.
- Tower base elevation above sea level: 3882.0000 ft.
- Basic wind speed of 115 mph.
- Risk Category II.
- Exposure Category C.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.0000 ft.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$.
- Maximum demand-capacity ratio is: 1.05.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	63.5000- 37.8300	25.6700	3.1900	18	22.6900	25.5200	0.1875	0.7500	A572-65 (65 ksi)
L2	37.8300- 0.0000	41.0200		18	24.7933	32.6100	0.2500	1.0000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L1	23.0111	13.3918	856.7181	7.9884	11.5265	74.3258	1714.5635	6.6972	3.6634	19.538
	25.8848	15.0760	1222.3056	8.9930	12.9642	94.2834	2446.2195	7.5394	4.1615	22.195
L2	25.7545	19.4751	1482.1227	8.7129	12.5950	117.6754	2966.1956	9.7394	3.9236	15.694
	33.0745	25.6777	3397.1124	11.4878	16.5659	205.0668	6798.6949	12.8413	5.2994	21.197

Tower Elevation	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 63.5000- 37.8300				1	1	1			
L2 37.8300- 0.0000				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
**											

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _A A _A ft ² /ft	Weight plf
Safety Line 3/8	C	No	No	CaAa (Out Of Face)	63.5000 - 0.0000	1	No Ice 0.0375	0.2200
5/8 rod/step	C	No	No	CaAa (Out Of Face)	63.5000 - 0.0000	1	No Ice 0.0200	0.2740
**								
PWRT-606-S(7/8)	C	No	No	Inside Pole	62.0000 - 0.0000	3	No Ice 0.0000	0.8900
PWRT-608-S(13/16)	C	No	No	Inside Pole	62.0000 - 0.0000	2	No Ice 0.0000	0.6200
RFFT-36SM-001-XXM(3/8)	C	No	No	Inside Pole	62.0000 - 0.0000	2	No Ice 0.0000	0.0910
PWRT-608-S(13/16)	C	No	No	Inside Pole	62.0000 - 0.0000	2	No Ice 0.0000	0.6200
RFFT-48SM-001-XXX(3/8)	C	No	No	Inside Pole	62.0000 - 0.0000	1	No Ice 0.0000	0.0600
**								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	63.5000-37.8300	A	0.000	0.000	0.000	0.000	0.0000

Tower Section	Tower Elevation	Face	A _R	A _F	C _A A _A In Face	C _A A _A Out Face	Weight
n	ft		ft ²	ft ²	ft ²	ft ²	K
L2	37.8300-0.0000	B	0.000	0.000	0.000	0.000	0.0000
		C	0.000	0.000	0.000	1.476	0.1430
		A	0.000	0.000	0.000	0.000	0.0000
		B	0.000	0.000	0.000	0.000	0.0000
		C	0.000	0.000	0.000	2.175	0.2227

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L1	63.5000-37.8300	-0.4476	0.2584	-0.2611	0.1508
L2	37.8300-0.0000	-0.4509	0.2603	-0.2622	0.1514

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

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment	Placement ft
AIR 6449 B77D_CCIV3 w/ Mount Pipe	A	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
AIR 6449 B77D_CCIV3 w/ Mount Pipe	B	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
AIR 6449 B77D_CCIV3 w/ Mount Pipe	C	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
DC9-48-60-24-8C-EV_CCIV2	A	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
(2) NNHH-65B-R4_CCIV2 w/ Mount Pipe	A	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
(2) NNHH-65B-R4_CCIV2 w/ Mount Pipe	B	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
(2) NNHH-65B-R4_CCIV2 w/ Mount Pipe	C	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
RRUS 32 B66A	A	From Leg	4.0000 0.0000 3.0000	0.0000	62.0000
RRUS 32 B66A	B	From Leg	4.0000 0.0000	0.0000	62.0000

Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement
			Horz	Lateral		
			ft	ft	°	ft
RRUS 32 B66A	C	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4449 B5/B12	A	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4449 B5/B12	B	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4449 B5/B12	C	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4478 B14_CCIV2	A	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4478 B14_CCIV2	B	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
RRUS 4478 B14_CCIV2	C	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
DC6-48-60-18-8F	A	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
DC6-48-60-18-8F_CCIV2	B	From Leg	3.0000		0.0000	62.0000
			4.0000			
			0.0000			
Platform Mount [LP 301-1_KCKR] **	C	None	3.0000		0.0000	62.0000

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice

Comb. No.	Description
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	Dead+Wind 0 deg - Service
27	Dead+Wind 30 deg - Service
28	Dead+Wind 60 deg - Service
29	Dead+Wind 90 deg - Service
30	Dead+Wind 120 deg - Service
31	Dead+Wind 150 deg - Service
32	Dead+Wind 180 deg - Service
33	Dead+Wind 210 deg - Service
34	Dead+Wind 240 deg - Service
35	Dead+Wind 270 deg - Service
36	Dead+Wind 300 deg - Service
37	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	63.5 - 37.83	Pole	Max Tension	8	0.0000	0.0000	-0.0000
			Max. Compression	16	-5.7582	50.7360	-87.8720
			Max. Mx	8	-5.7581	-101.7302	0.1508
			Max. My	2	-5.7580	-0.0840	101.7966
			Max. Vy	8	4.9124	-101.7302	0.1508
			Max. Vx	2	-4.9124	-0.0840	101.7966
			Max. Torque	13			0.5374
L2	37.83 - 0	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	16	-10.1069	168.6768	-292.1246
			Max. Mx	8	-10.1069	-337.5410	0.1402
			Max. My	2	-10.1069	-0.0623	337.6189
			Max. Vy	8	6.5606	-337.5410	0.1402
			Max. Vx	2	-6.5606	-0.0623	337.6189
			Max. Torque	13			0.4941

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	2	10.1101	0.0000	6.5556
	Max. H _x	21	7.5826	6.5556	0.0000
	Max. H _z	2	10.1101	0.0000	6.5556
	Max. M _x	2	337.6189	0.0000	6.5556
	Max. M _z	8	337.5410	-6.5556	0.0000
	Max. Torsion	13	0.4244	-3.2778	-5.6773
	Min. Vert	17	7.5826	3.2778	-5.6773
	Min. H _x	8	10.1101	-6.5556	0.0000
	Min. H _z	14	10.1101	0.0000	-6.5556
	Min. M _x	14	-337.3382	0.0000	-6.5556
	Min. M _z	20	-337.4160	6.5556	0.0000
	Min. Torsion	25	-0.4244	3.2778	5.6773

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	8.4251	0.0000	0.0000	-0.1138	-0.0505	0.0000
1.2 Dead+1.0 Wind 0 deg -	10.1101	0.0000	-6.5556	-337.6189	-0.0623	0.3180

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice						
0.9 Dead+1.0 Wind 0 deg - No Ice	7.5826	0.0000	-6.5556	-336.2842	-0.0463	0.3181
1.2 Dead+1.0 Wind 30 deg - No Ice	10.1101	3.2778	-5.6773	-292.4054	-168.8017	0.1266
0.9 Dead+1.0 Wind 30 deg - No Ice	7.5826	3.2778	-5.6773	-291.2447	-168.1363	0.1266
1.2 Dead+1.0 Wind 60 deg - No Ice	10.1101	5.6773	-3.2778	-168.8796	-292.3275	-0.0987
0.9 Dead+1.0 Wind 60 deg - No Ice	7.5826	5.6773	-3.2778	-168.1944	-291.1867	-0.0988
1.2 Dead+1.0 Wind 90 deg - No Ice	10.1101	6.5556	0.0000	-0.1401	-337.5410	-0.2976
0.9 Dead+1.0 Wind 90 deg - No Ice	7.5826	6.5556	0.0000	-0.1044	-336.2262	-0.2978
1.2 Dead+1.0 Wind 120 deg - No Ice	10.1101	5.6773	3.2778	168.5992	-292.3273	-0.4168
0.9 Dead+1.0 Wind 120 deg - No Ice	7.5826	5.6773	3.2778	167.9855	-291.1866	-0.4169
1.2 Dead+1.0 Wind 150 deg - No Ice	10.1101	3.2778	5.6773	292.1248	-168.8015	-0.4242
0.9 Dead+1.0 Wind 150 deg - No Ice	7.5826	3.2778	5.6773	291.0358	-168.1362	-0.4244
1.2 Dead+1.0 Wind 180 deg - No Ice	10.1101	0.0000	6.5556	337.3382	-0.0623	-0.3180
0.9 Dead+1.0 Wind 180 deg - No Ice	7.5826	0.0000	6.5556	336.0752	-0.0463	-0.3181
1.2 Dead+1.0 Wind 210 deg - No Ice	10.1101	-3.2778	5.6773	292.1246	168.6769	-0.1266
0.9 Dead+1.0 Wind 210 deg - No Ice	7.5826	-3.2778	5.6773	291.0356	168.0434	-0.1266
1.2 Dead+1.0 Wind 240 deg - No Ice	10.1101	-5.6773	3.2778	168.5989	292.2024	0.0987
0.9 Dead+1.0 Wind 240 deg - No Ice	7.5826	-5.6773	3.2778	167.9854	291.0937	0.0988
1.2 Dead+1.0 Wind 270 deg - No Ice	10.1101	-6.5556	0.0000	-0.1402	337.4160	0.2976
0.9 Dead+1.0 Wind 270 deg - No Ice	7.5826	-6.5556	0.0000	-0.1044	336.1332	0.2978
1.2 Dead+1.0 Wind 300 deg - No Ice	10.1101	-5.6773	-3.2778	-168.8793	292.2026	0.4168
0.9 Dead+1.0 Wind 300 deg - No Ice	7.5826	-5.6773	-3.2778	-168.1942	291.0938	0.4169
1.2 Dead+1.0 Wind 330 deg - No Ice	10.1101	-3.2778	-5.6773	-292.4051	168.6770	0.4242
0.9 Dead+1.0 Wind 330 deg - No Ice	7.5826	-3.2778	-5.6773	-291.2446	168.0436	0.4244
Dead+Wind 0 deg - Service	8.4251	0.0000	-1.6821	-86.5152	-0.0518	0.0816
Dead+Wind 30 deg - Service	8.4251	0.8410	-1.4567	-74.9399	-43.2512	0.0291
Dead+Wind 60 deg - Service	8.4251	1.4567	-0.8410	-43.3158	-74.8753	-0.0313
Dead+Wind 90 deg - Service	8.4251	1.6821	0.0000	-0.1165	-86.4505	-0.0832
Dead+Wind 120 deg - Service	8.4251	1.4567	0.8410	43.0829	-74.8753	-0.1129
Dead+Wind 150 deg - Service	8.4251	0.8410	1.4567	74.7070	-43.2512	-0.1123
Dead+Wind 180 deg - Service	8.4251	0.0000	1.6821	86.2822	-0.0518	-0.0816
Dead+Wind 210 deg - Service	8.4251	-0.8410	1.4567	74.7069	43.1475	-0.0291
Dead+Wind 240 deg - Service	8.4251	-1.4567	0.8410	43.0828	74.7716	0.0313
Dead+Wind 270 deg - Service	8.4251	-1.6821	0.0000	-0.1165	86.3468	0.0832
Dead+Wind 300 deg - Service	8.4251	-1.4567	-0.8410	-43.3158	74.7716	0.1129
Dead+Wind 330 deg - Service	8.4251	-0.8410	-1.4567	-74.9399	43.1475	0.1123

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.0000	-8.4251	0.0000	0.0000	8.4251	0.0000	0.000%
2	0.0000	-10.1101	-6.5556	0.0000	10.1101	6.5556	0.000%
3	0.0000	-7.5826	-6.5556	0.0000	7.5826	6.5556	0.000%
4	3.2778	-10.1101	-5.6773	-3.2778	10.1101	5.6773	0.000%
5	3.2778	-7.5826	-5.6773	-3.2778	7.5826	5.6773	0.000%
6	5.6773	-10.1101	-3.2778	-5.6773	10.1101	3.2778	0.000%
7	5.6773	-7.5826	-3.2778	-5.6773	7.5826	3.2778	0.000%
8	6.5556	-10.1101	0.0000	-6.5556	10.1101	0.0000	0.000%
9	6.5556	-7.5826	0.0000	-6.5556	7.5826	0.0000	0.000%
10	5.6773	-10.1101	3.2778	-5.6773	10.1101	-3.2778	0.000%
11	5.6773	-7.5826	3.2778	-5.6773	7.5826	-3.2778	0.000%
12	3.2778	-10.1101	5.6773	-3.2778	10.1101	-5.6773	0.000%
13	3.2778	-7.5826	5.6773	-3.2778	7.5826	-5.6773	0.000%
14	0.0000	-10.1101	6.5556	0.0000	10.1101	-6.5556	0.000%
15	0.0000	-7.5826	6.5556	0.0000	7.5826	-6.5556	0.000%
16	-3.2778	-10.1101	5.6773	3.2778	10.1101	-5.6773	0.000%
17	-3.2778	-7.5826	5.6773	3.2778	7.5826	-5.6773	0.000%
18	-5.6773	-10.1101	3.2778	5.6773	10.1101	-3.2778	0.000%
19	-5.6773	-7.5826	3.2778	5.6773	7.5826	-3.2778	0.000%
20	-6.5556	-10.1101	0.0000	6.5556	10.1101	0.0000	0.000%
21	-6.5556	-7.5826	0.0000	6.5556	7.5826	0.0000	0.000%
22	-5.6773	-10.1101	-3.2778	5.6773	10.1101	3.2778	0.000%
23	-5.6773	-7.5826	-3.2778	5.6773	7.5826	3.2778	0.000%
24	-3.2778	-10.1101	-5.6773	3.2778	10.1101	5.6773	0.000%
25	-3.2778	-7.5826	-5.6773	3.2778	7.5826	5.6773	0.000%
26	0.0000	-8.4251	-1.6821	0.0000	8.4251	1.6821	0.000%
27	0.8410	-8.4251	-1.4567	-0.8410	8.4251	1.4567	0.000%
28	1.4567	-8.4251	-0.8410	-1.4567	8.4251	0.8410	0.000%
29	1.6821	-8.4251	0.0000	-1.6821	8.4251	0.0000	0.000%
30	1.4567	-8.4251	0.8410	-1.4567	8.4251	-0.8410	0.000%
31	0.8410	-8.4251	1.4567	-0.8410	8.4251	-1.4567	0.000%
32	0.0000	-8.4251	1.6821	0.0000	8.4251	-1.6821	0.000%
33	-0.8410	-8.4251	1.4567	0.8410	8.4251	-1.4567	0.000%
34	-1.4567	-8.4251	0.8410	1.4567	8.4251	-0.8410	0.000%
35	-1.6821	-8.4251	0.0000	1.6821	8.4251	0.0000	0.000%
36	-1.4567	-8.4251	-0.8410	1.4567	8.4251	0.8410	0.000%
37	-0.8410	-8.4251	-1.4567	0.8410	8.4251	1.4567	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00007612
3	Yes	4	0.00000001	0.00005024
4	Yes	4	0.00000001	0.00023806
5	Yes	4	0.00000001	0.00015453
6	Yes	4	0.00000001	0.00023132
7	Yes	4	0.00000001	0.00015000
8	Yes	4	0.00000001	0.00006767
9	Yes	4	0.00000001	0.00004460
10	Yes	4	0.00000001	0.00019346
11	Yes	4	0.00000001	0.00012505
12	Yes	4	0.00000001	0.00028154
13	Yes	4	0.00000001	0.00018398
14	Yes	4	0.00000001	0.00007600
15	Yes	4	0.00000001	0.00005018
16	Yes	4	0.00000001	0.00020620
17	Yes	4	0.00000001	0.00013339
18	Yes	4	0.00000001	0.00021064

19	Yes	4	0.00000001	0.00013636
20	Yes	4	0.00000001	0.00006762
21	Yes	4	0.00000001	0.00004457
22	Yes	4	0.00000001	0.00027962
23	Yes	4	0.00000001	0.00018261
24	Yes	4	0.00000001	0.00019375
25	Yes	4	0.00000001	0.00012519
26	Yes	4	0.00000001	0.00000001
27	Yes	4	0.00000001	0.00000001
28	Yes	4	0.00000001	0.00000001
29	Yes	4	0.00000001	0.00000001
30	Yes	4	0.00000001	0.00000001
31	Yes	4	0.00000001	0.00000001
32	Yes	4	0.00000001	0.00000001
33	Yes	4	0.00000001	0.00000001
34	Yes	4	0.00000001	0.00000001
35	Yes	4	0.00000001	0.00000001
36	Yes	4	0.00000001	0.00000001
37	Yes	4	0.00000001	0.00000001

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	63.5 - 37.83	2.6643	27	0.3372	0.0018
L2	41.02 - 0	1.2049	27	0.2593	0.0008

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
62.0000	AIR 6449 B77D_CCIV3 w/ Mount Pipe	27	2.5576	0.3327	0.0018	32126

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	63.5 - 37.83	10.3900	4	1.3136	0.0070
L2	41.02 - 0	4.7012	4	1.0115	0.0030

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
62.0000	AIR 6449 B77D_CCIV3 w/ Mount Pipe	4	9.9738	1.2964	0.0067	8254

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	63.5 - 37.83 (1)	TP25.52x22.69x0.1875	25.670 0	0.0000	0.0	14.866 7	-5.7580	869.7020	0.007
L2	37.83 - 0 (2)	TP32.61x24.7933x0.25	41.020 0	0.0000	0.0	25.677 7	-10.1069	1502.1400	0.007

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	63.5 - 37.83 (1)	TP25.52x22.69x0.1875	101.8192	513.2542	0.198	0.0000	513.2542	0.000
L2	37.83 - 0 (2)	TP32.61x24.7933x0.25	337.6317	1160.1750	0.291	0.0000	1160.1750	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	63.5 - 37.83 (1)	TP25.52x22.69x0.1875	4.9125	260.9110	0.019	0.1657	570.7933	0.000
L2	37.83 - 0 (2)	TP32.61x24.7933x0.25	6.5606	450.6430	0.015	0.1285	1277.0917	0.000

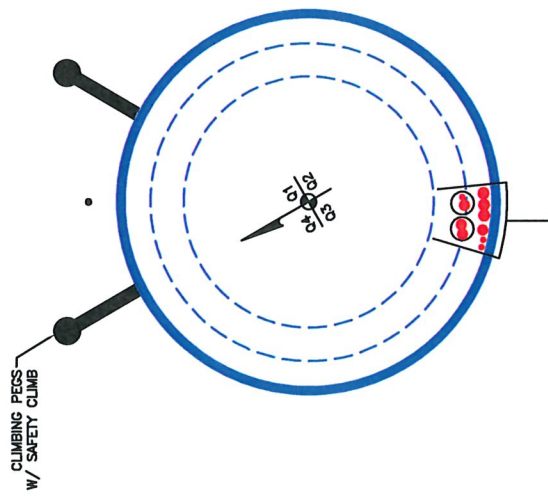
Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	63.5 - 37.83 (1)	0.007	0.198	0.000	0.019	0.000	0.205	1.050	4.8.2
L2	37.83 - 0 (2)	0.007	0.291	0.000	0.015	0.000	0.298	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	63.5 - 37.83	Pole	TP25.52x22.69x0.1875	1	-5.7580	913.1871	19.6	Pass
L2	37.83 - 0	Pole	TP32.61x24.7933x0.25	2	-10.1069	1577.2469	28.4	Pass
Summary								
Pole (L2)							28.4	Pass
RATING =							28.4	Pass

APPENDIX B
BASE LEVEL DRAWING



- (PROPOSED)
- (1) 3/8" TO 62 FT LEVEL
- (3) 1 1/16" TO 62 FT LEVEL
- (2) 3/8" TO 62 FT LEVEL
- (1) 1 1/16" TO 62 FT LEVEL
- (3) 7/8" TO 62 FT LEVEL

APPENDIX C
ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

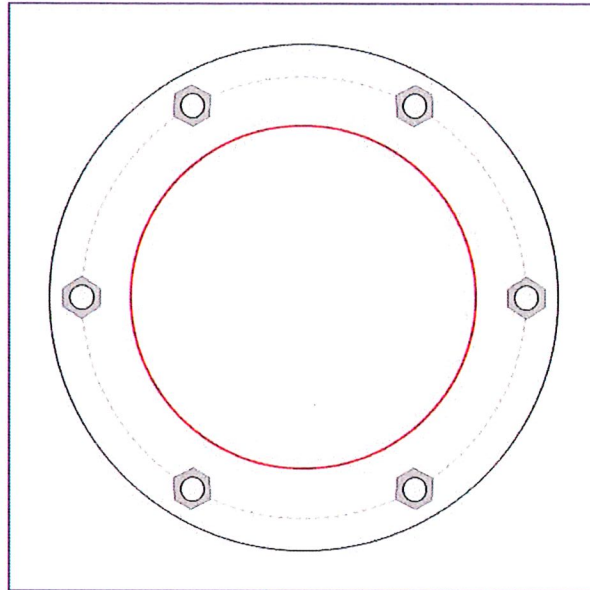


Site Info	
BU #	858163
Site Name	ALLTEL_NMLC_ELP_PIC
Order #	624467 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0.25

Applied Loads	
Moment (kip-ft)	337.63
Axial Force (kips)	10.11
Shear Force (kips)	6.56

*TIA-222-H Section 15.5 Applied



Connection Properties	Analysis Results
-----------------------	------------------

Anchor Rod Data
(6) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 42" BC
Base Plate Data
48" OD x 2" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)
Stiffener Data
N/A
Pole Data
32.61" x 0.25" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)

Anchor Rod Summary			<i>(units of kips, kip-in)</i>
$Pu_t = 62.55$	$\phi Pn_t = 243.75$	Stress Rating	
$Vu = 1.09$	$\phi Vn = 149.1$		24.4%
$Mu = n/a$	$\phi Mn = n/a$		Pass
Base Plate Summary			
Max Stress (ksi):	11.69		(Flexural)
Allowable Stress (ksi):	54		
Stress Rating:	20.6%		Pass

Drilled Pier Foundation



BU # : 858163
 Site Name: ZOD_ALLTEL_NMLC_ELP
 Order Number: 624467 Rev. 0
 T/A-222 Revisor: H
 Tower Type: Monopole

Applied Loads		Uplift
Moment (kip-ft)	337.63	
Axial Force (kips)	10.11	
Shear Force (kips)	6.56	

Material Properties	
Concrete Strength, f _c	3 ksi
Rebar Strength, F _y	60 ksi
Tie Yield Strength, F _y t	ksi

Pier Design Data	
Depth	22.67 ft
Ext. Above Grade	0.33 ft
Pier Section 1	
From 0.33' above grade to 22.67' below grade	
Pier Diameter	5 ft
Rebar Quantity	20
Rebar Size	8
Clear Cover to Ties	4 in
Tie Size	3
Tie Spacing	in

Rebar & Pier Options
 Embedded Pole Inputs
 Belled Pier Inputs

Soil Lateral Check			Analysis Results		
	Compression	Uplift			
D _{req} (ft from TOC)	4.39	-			
Soil Safety Factor	3.81	-			
Max Moment (kip-ft)	363.04	-			
Rating*	33.2%	-			
Soil Vertical Check			Uplift		
Skin Friction (kips)	52.28	-			
End Bearing (kips)	333.84	-			
Weight of Concrete (kips)	81.29	-			
Total Capacity (kips)	386.12	-			
Axial (kips)	91.40	-			
Rating*	22.5%	-			
Reinforced Concrete Flexure			Uplift		
Critical Depth (ft from TOC)	4.24	-			
Critical Moment (kip-ft)	363.00	-			
Critical Moment Capacity	1750.71	-			
Rating*	19.7%	-			
Reinforced Concrete Shear			Uplift		
Critical Depth (ft from TOC)	13.70	-			
Critical Shear (kip)	39.02	-			
Critical Shear Capacity	234.59	-			
Rating*	15.8%	-			

Structural Foundation Rating*	19.7%
Soil Interaction Rating*	33.2%

*Rating per TIA-222-H Section 15.5

Soil Profile	
Groundwater Depth	None
# of Layers	2

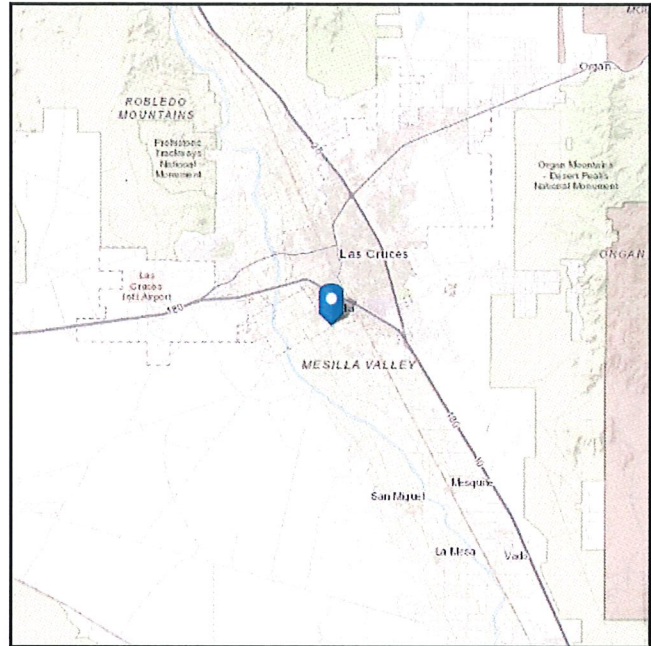
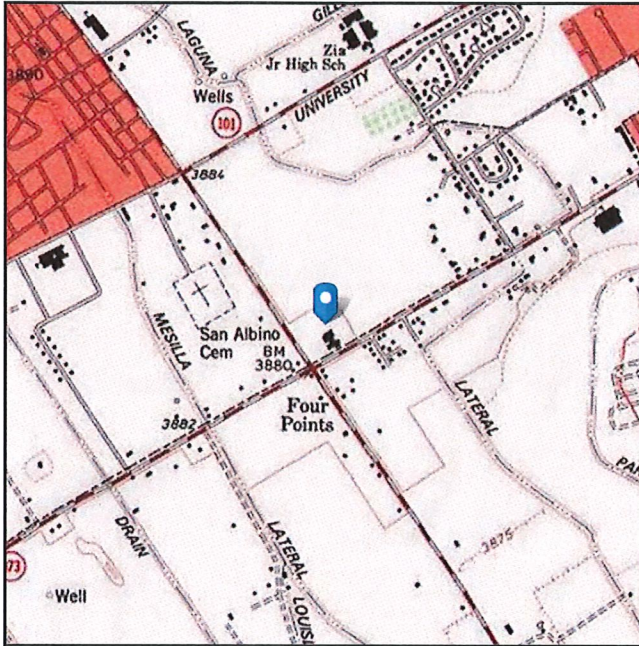
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	2.5	2.5	110	150	0	0	0.000	0.000			22.67		Cohesionless
2	2.5	22.67	20.17	110	150	0.4	0	0.220	0.220					Cohesive

ASCE 7 Hazards Report

Address:
No Address at This
Location

Standard: ASCE/SEI 7-10
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 3881.76 ft (NAVD 88)
Latitude: 32.266306
Longitude: -106.785333



Wind

Results:

Wind Speed:	115 Vmph
10-year MRI	76 Vmph
25-year MRI	84 Vmph
50-year MRI	90 Vmph
100-year MRI	96 Vmph

Data Source: ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1–CC-4, incorporating errata of March 12, 2014

Date Accessed: Mon Aug 10 2020

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2.

Mountainous terrain, gorges, ocean promontories, and special wind regions should be examined for unusual wind conditions.

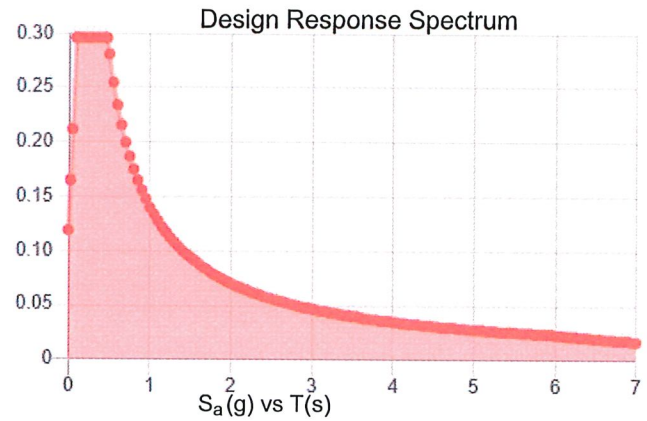
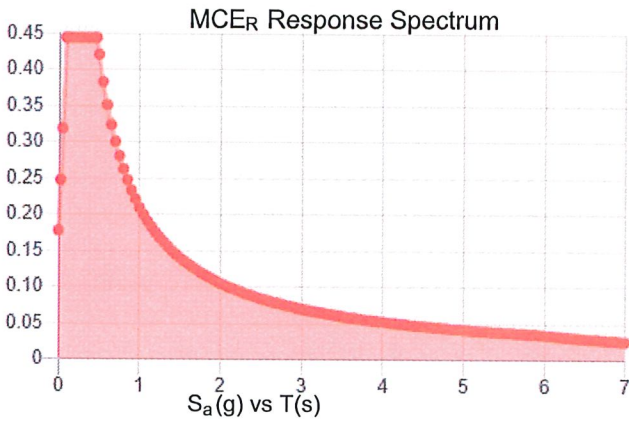
Seismic

Site Soil Class: D - Stiff Soil

Results:

S_s :	0.282	S_{DS} :	0.296
S_1 :	0.088	S_{D1} :	0.14
F_a :	1.574	T_L :	6
F_v :	2.4	PGA :	0.118
S_{MS} :	0.444	PGA _M :	0.185
S_{M1} :	0.21	F _{PGA} :	1.564
		I_e :	1

Seismic Design Category C



Data Accessed:

Mon Aug 10 2020

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.



Ice

Results:

Ice Thickness: 0.00 in.
Concurrent Temperature: 25 F
Gust Speed: 30 mph

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

Date Accessed: Mon Aug 10 2020

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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at&t

AT&T SITE NUMBER:
AT&T SITE NAME:
AT&T FA CODE:
AT&T PAGE NUMBER:
SITE TYPE:

WTEN005668
NMLC ELP PICACHO
10139214
MRNTX083279
MONOPOLE

PROJECT: AT&T PRIORITY

BUSINESS UNIT #: 858163
SITE ADDRESS:
COUNTY:
TOWER HEIGHT: 63'-6"

3385 AVENIDA DE MESSILA (HIGHWAY 28)
LAS CRUCES, NM 88005
DONA ANA



1801 VALLEY VIEW LANE
FARMERS BRANCH TX 75234



9015 HAYER ROAD, SUITE 605
INDIANAPOLIS, IN 46240



P. MESSILA & ASSOCIATES
6801 KORTWIST DR. STE. 100
HOUSTON, TX 77024
OFFICE: 713-677-0964

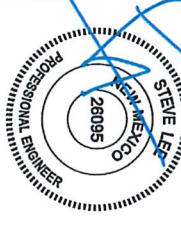
AT&T SITE NUMBER:
WTEN005668

BU #: 858163
ZOD ALLTEL NMLC ELP
PICACHO

3385 AVENIDA DE MESSILA
(HIGHWAY 28)
LAS CRUCES, NM 88005
EXISTING 63'-6" MONOPOLE

REV	DATE	ISSUED FOR:	DESCRIPTION	ISSUED BY
1	2007/252	YES	REVISED	VT

10/10/2022



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

22CAGM-257

SHEET NUMBER: T-1
REVISION: 0

SITE INFORMATION

CROWN CASTLE USA INC. ZOD ALLTEL NMLC ELP PICACHO
SITE NAME: 3385 AVENIDA DE MESSILA (HIGHWAY 28)
SITE ADDRESS: LAS CRUCES, NM 88005
COUNTY: DONA ANA
MAP/PARCEL #: 4407-188-00-218
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 32° 15' 54.90"
LONGITUDE: -106° 47' 7.20"
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 3883 FT
CURRENT ZONING: COUNTY OF DONA ANA, NM
JURISDICTION: JURISDICTION: U
CONTRACT DESCRIPTION: HB
TYPE OF COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
ADDITIONAL COMPLIANCE: IRUNDO ARTURO & MARIA E REV TR 300 S HOTEL BLVD LAS CRUCES NM 88001
PROPERTY OWNER:
TOWER OWNER: CROWN CASTLE USA, INC.
2201 ALCOCKS DRIVE
HOUSTON, TX 77057
CARRIER/APPLICANT: A&T TOWER ASSET GROUP
FARMERS BRANCH, TX 75234
ELECTRIC PROVIDER: EL PASO ELECTRIC
(800) 592-4634
TELECO PROVIDER:
PROJECT TEAM
CROWN CASTLE USA INC.
20 CORPORATE DRIVE
CANONSBURG, PA 15117
CROWNVALE APPROVAL@CROWNCASTLE.COM
1220 AUGUSTA DRIVE, SUITE 900
HOUSTON, TX 77057
MICHAEL FERREARI - PROJECT MANAGER
(412) 952-0660
BRIAN PILKINGTON - CONSTRUCTION MANAGER
BRIAN.PILKINGTON@CROWNCASTLE.COM

DRAWING INDEX

SHEET #	TITLE/SHEET	SHEET DESCRIPTION
T-1	GENERAL NOTE	
C-1	SITE PLAN	
C-1.1	PLANNING DIAGRAM	
C-2	TOWER ELEVATION & ANTENNA PLANS	
C-3	EQUIPMENT DISCRETION TABLE	
C-4	DETAILS	
C-5	EQUIPMENT SPECS	
G-1	GROUNDING SCHEMATIC	
G-2	GROUNDING DETAILS	

ALL DRAWINGS CONTAINED HEREIN ARE FORWARDED FOR FINAL REVIEW AND APPROVAL BY THE LOCAL GOVERNMENT AND THE ENGINEER. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS AND CONDITIONS ON THE JOB SITE AND SHALL DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO PROPOSE AN ANTENNA MODIFICATION ON AN EXISTING WIRELESS SITE.

FINAL TOWER CONFIGURATION:

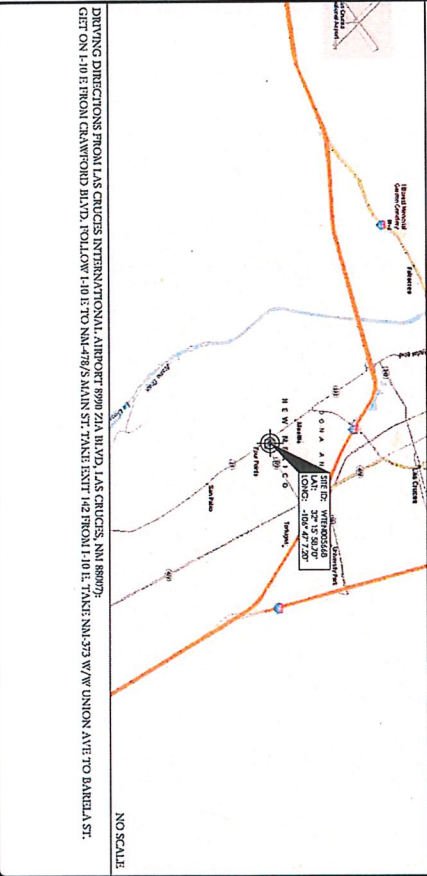
- (0) RIMS
- (0) ANTENNAS
- (0) RAYCAP BOXES
- (0) PAPER CABLES (0/0)
- (0) DC POWER CABLES (7/0)
- (0) DC POWER CABLES (7/0)

FINAL GROUND CONFIGURATION:

- (0) 50 AMP BREAKERS FOR AIR 649 BT7D

DESIGN PACKAGE BASED ON THE RRS
REVISION: 1
DATE: 09/14/2022
DESIGN PACKAGE BASED ON THE APPLICATION REVISION: 0

LOCATION MAP



DRIVING DIRECTIONS FROM LAS CRUCES INTERNATIONAL AIRPORT 2599 ZIA BLVD, LAS CRUCES, NM 88007:
GET ON I-10 E FROM CRAWFORD BLVD. FOLLOW I-10 E TO NM-478/S MAIN ST. TAKE EXIT 142 FROM I-10 E. TAKE NM-373 W/ W UNION AVE TO BARBELA ST.

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

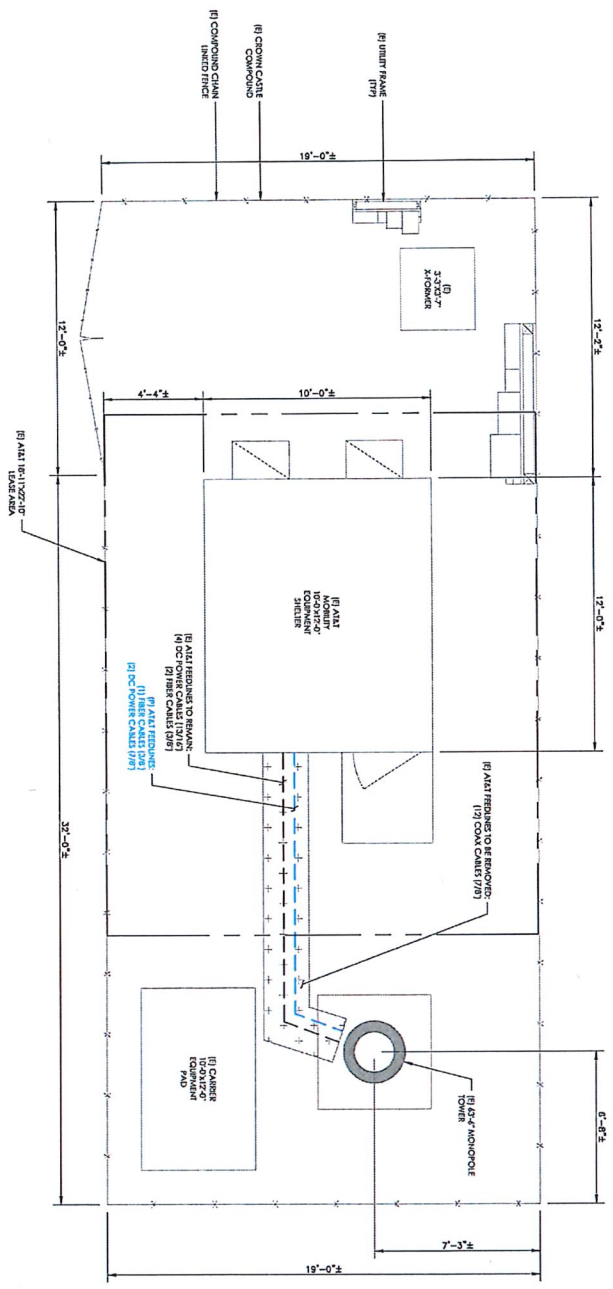
CODE	2017 IBC
MCHANICAL	2015 IBC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS	BY OTHERS
STRUCTURAL ANALYSIS DATE:	BY OTHERS
MONUF ANALYSIS DATE:	BY OTHERS

NOTE:
FOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NCC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER



SITE PLANNING STANDARDS
 PROPOSED PLANNING AND DEVELOPMENT MUST BE SUBMITTED FROM
 COMPLETED A SITE PLAN AND INTERIOR LAYOUTS FOR ALL
 CONSTRUCTION. THE SITE PLAN AND INTERIOR LAYOUTS SHALL BE
 PREPARED BY A LICENSED ARCHITECT OR ARCHITECTURAL FIRM.
 CONTRACTORS SHALL FIELD VERIFY THE PLAN & EQUIPMENT
 LOCATIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO THE
 SITE PLAN AND INTERIOR LAYOUTS PRIOR TO THE BEGINNING OF
 CONSTRUCTION. CONTACT PLANNING AND THE CROWN CASTLE CO.



1 SITE PLAN
 SCALE: 1/8" = 1'-0"



at&t
 1801 VALLEY VIEW LANE
 FARMERS BRANCH TX 75234

CROWN CASTLE
 9945 RIVER ROAD, SUITE 405
 INDIANAPOLIS, IN 46240

PM&A
 P. MARSHALL ASSOCIATES
 6801 HOKWEEVET DR. STE 100,
 HOUSTON, TX 77024
 OFFICE: 713-677-7964

AT&T SITE NUMBER:
 W12EN0005668
 BU #: 858163
 ZOD_ALLTEL_NMLC_ELP
 PICACHO

3385 AVENIDA DE MESSILLA
 (HIGHWAY 28)
 LAS CRUCES, NM 88005
 EXISTING 63'-6" MONOPOLE

ISSUED FOR:

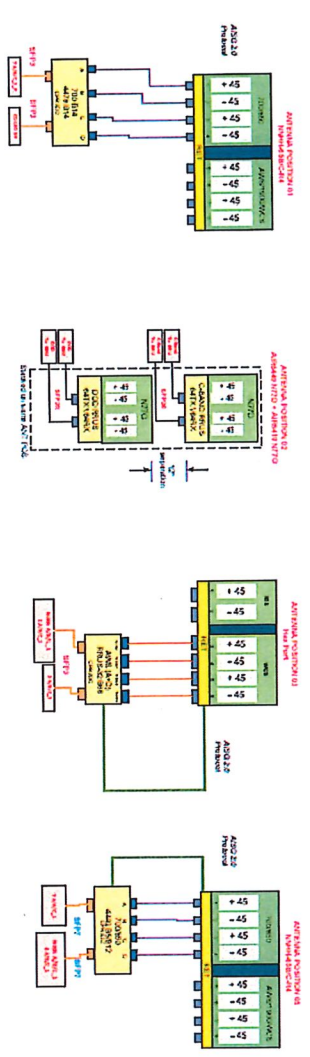
REV	DATE	BY	DESCRIPTION	DESIGN
0	10/10/2022	WSP	FINAL	17

STEVE LEB
 26095
 PROFESSIONAL ENGINEER

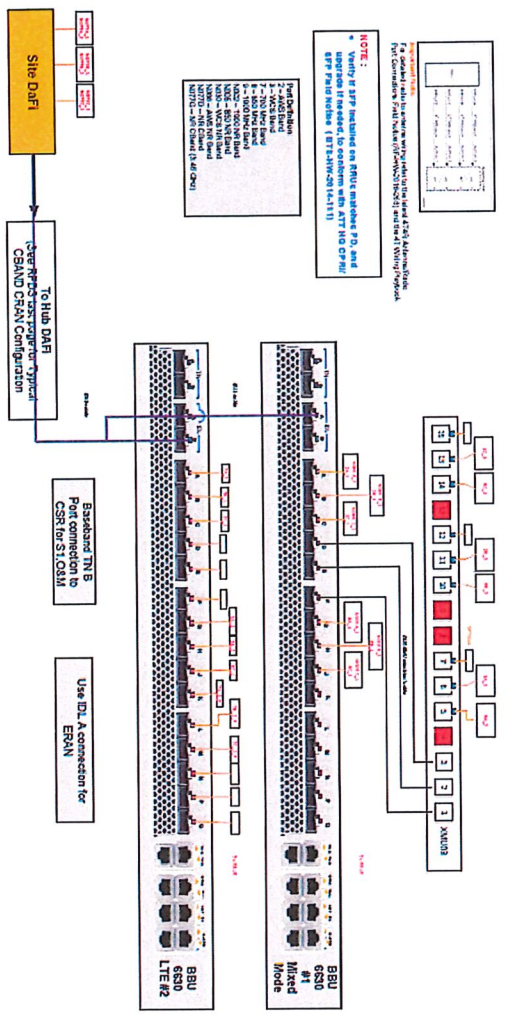
22CA6M-257

SHEET NUMBER: C-1
 REVISION: 0

THIS IS A VIOLATION OF LAW FOR ANY PERSON
 UNLESS THEY ARE A LICENSED ENGINEER OR ARCHITECT
 TO ALTER THIS DOCUMENT.



OPTICAL TO ENTER THE BBU VIA BREAKOUT
 OPTICAL TO RING VIA BREAKOUT

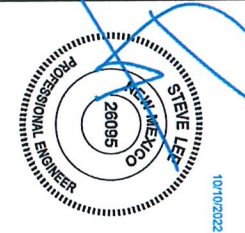


TYPICAL PLUMBING DIAGRAM
 SCALE: NOT TO SCALE



AT&T SITE NUMBER:
 WTENN005668
 BU #: 858163
 ZOD_ATTTEL_NM1C_ELP
 PICACHO
 3385 AVENIDA DE MESILLA
 (HIGHWAY 28)
 LAS CRUCES, NM 88005
 EXISTING 63'-6" MONOPOLE

REV	DATE	BY	DISPOSITION	CHK/APP
0	10/07/2022	WS	RHMS	TY

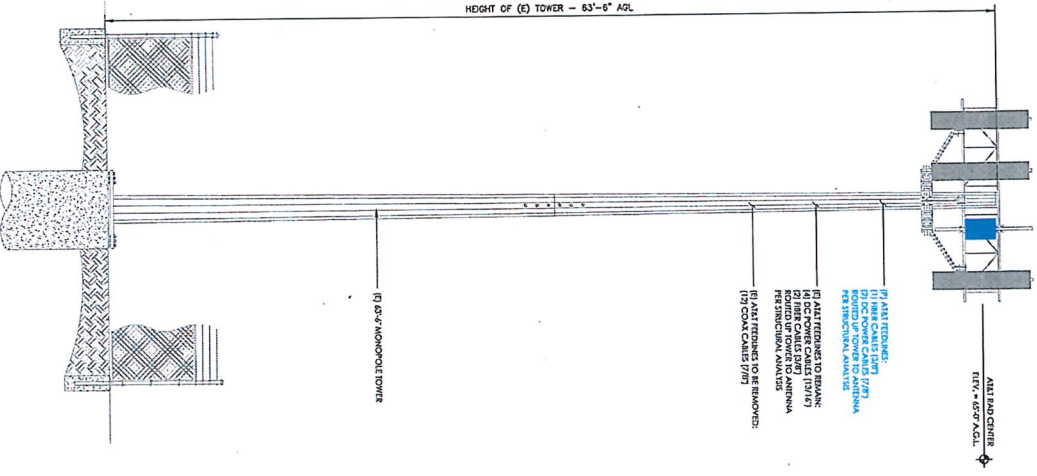


22CA6M-257

SHEET NUMBER: C-1.1
 REVISIONS: 0

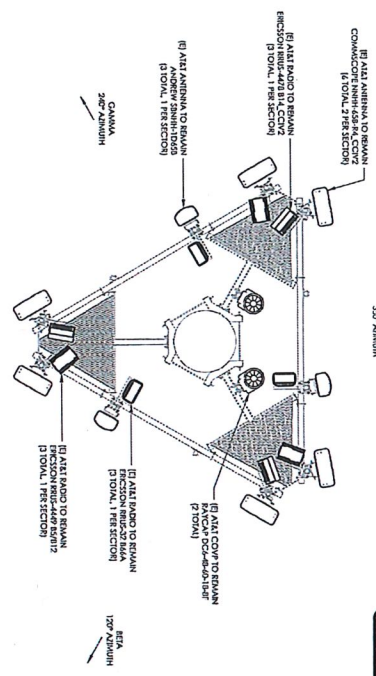
NOTE: THE TOWER DRAWING IS ONLY A STRUCTURAL REFERENCE. THE ACTUAL TOWER IN THE FIELD MAY VARY.

NOTE: THE TOWER DRAWING IS ONLY A STRUCTURAL REFERENCE. THE ACTUAL TOWER IN THE FIELD MAY VARY.

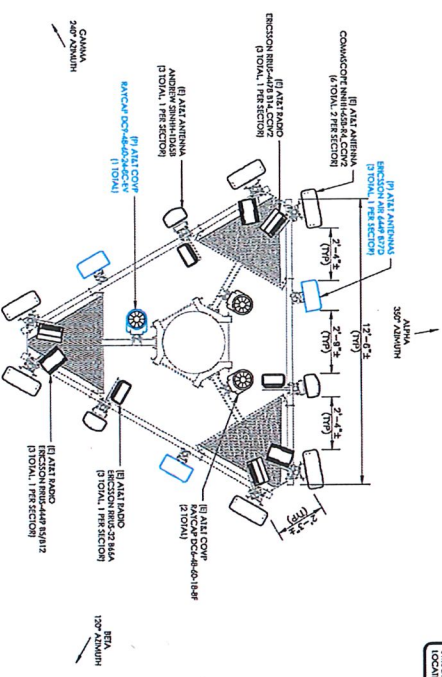


NOTE: THE TOWER DRAWING IS ONLY A STRUCTURAL REFERENCE. THE ACTUAL TOWER IN THE FIELD MAY VARY.

1. TOWER ELEVATION
SCALE: NOT TO SCALE



2. EXISTING ANTENNA PLAN
SCALE: 3/8\"/>



3. FINAL ANTENNA PLAN
SCALE: 3/8\"/>

ANTENNA DATA SHEET: ANTENNA PLAN HAS BEEN MODIFIED FROM PREVIOUS APPLICATIONS. THE CONDITION AT TIME OF CONSTRUCTION, CONTACT A&T AND THE CONSTRUCTION CONTRACTOR.

- NOTE: THE CONSTRUCTION OF ANTENNAS AND RADIATORS SHALL BE IN ACCORDANCE WITH THE ACTUAL ANTENNA/RADIATOR DRAWING. THE ACTUAL ANTENNA/RADIATOR SHALL BE IDENTIFIED WITH THE ACTUAL DRAWING NUMBER IN THE FIELD BY NAME.
- NOTE: THE CONSTRUCTION OF ANTENNAS AND RADIATORS SHALL BE IN ACCORDANCE WITH THE ACTUAL ANTENNA/RADIATOR DRAWING. THE ACTUAL ANTENNA/RADIATOR SHALL BE IDENTIFIED WITH THE ACTUAL DRAWING NUMBER IN THE FIELD BY NAME.
- NOTE: THE CONSTRUCTION OF ANTENNAS AND RADIATORS SHALL BE IN ACCORDANCE WITH THE ACTUAL ANTENNA/RADIATOR DRAWING. THE ACTUAL ANTENNA/RADIATOR SHALL BE IDENTIFIED WITH THE ACTUAL DRAWING NUMBER IN THE FIELD BY NAME.

NOTE: THE CONSTRUCTION OF ANTENNAS AND RADIATORS SHALL BE IN ACCORDANCE WITH THE ACTUAL ANTENNA/RADIATOR DRAWING. THE ACTUAL ANTENNA/RADIATOR SHALL BE IDENTIFIED WITH THE ACTUAL DRAWING NUMBER IN THE FIELD BY NAME.

1801 VALLEY VIEW LANE
FARMERS BRANCH, TX 75244

9045 RIVER ROAD, SUITE 425
INDIANAPOLIS, IN 46240

AT&T SITE NUMBER:
WTEN005668

BU #: 588163
ZOD: ALLTEL, NMIC, BLP
PICOCHO

3385 AVENIDA DE MESSILA
(HIGHWAY 28)
LAS CRUCES, NM 88005

EXISTING 63'-6" MONOPOLE

REV	DATE	BY	DESCRIPTION	ISSUED FOR:
0	10/02/22	WS	PROJ	17



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22CA067-257
SHEET NUMBER: C-2
REVISION: 0

ANTENNA SECTOR	ANTENNA ELEVATION	ANTENNA AZIMUTH	TOWER TOP EQUIPMENT SCHEDULE (TMAX)	PREDICATED COMPLETION	QTY
ALPHA	65°	30°	CATEGORY		
			ANTENNA (A1)	COMM/COPY / N88H458.RL.COV2	1
			ANTENNA (A2)	RECSON / AS 448 37D	1
			ANTENNA (A3)	ANDREW / 288H1D24	1
			ANTENNA (A4)	COMM/COPY / N88H458.RL.COV2	1
			ANTENNA (A5)	-	-
			FILTR	-	-
			TOWER DRIVERS	-	-
			TMAX	-	-
			RRH	RRH52 84A, RRH52 449 82012, RRH52 449 811.COV2	3
BETA	65°	120°	ANTENNA (A1)	COMM/COPY / N88H458.RL.COV2	1
			ANTENNA (A2)	RECSON / AS 448 37D	1
			ANTENNA (A3)	ANDREW / 288H1D24	1
			ANTENNA (A4)	COMM/COPY / N88H458.RL.COV2	1
			ANTENNA (A5)	-	-
			FILTR	-	-
			TOWER DRIVERS	-	-
			TMAX	-	-
			RRH	RRH52 84A, RRH52 449 82012, RRH52 449 811.COV2	3
			GAMMA	65°	240°
ANTENNA (A2)	RECSON / AS 448 37D	1			
ANTENNA (A3)	ANDREW / 288H1D24	1			
ANTENNA (A4)	COMM/COPY / N88H458.RL.COV2	1			
ANTENNA (A5)	-	-			
FILTR	-	-			
TOWER DRIVERS	-	-			
TMAX	-	-			
RRH	RRH52 84A, RRH52 449 82012, RRH52 449 811.COV2	3			
COAX/FIBER/PC	JUMPER	3			
	1316 DC POWER	4			
	786 DC POWER	3			
	8ANCAF / DC14546-38-01.COV2	2			
	8ANCAF / DC14546-38-01.COV2	1			

1 EQUIPMENT DESCRIPTION TABLE
SCALE: NOT TO SCALE



1801 VALLEY VIEW LANE
PARKERS BRANCH TX 7524



9045 RIVER ROAD, SUITE 425
INDIANAPOLIS, IN 46240



P. MARRAS & ASSOCIATES
6801 W. LOOP WEST, SUITE 100
HOUSTON, TX 77024
OFFICE: 713.677.0964

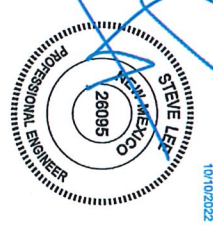
AT&T SITE NUMBER:
WTENN005668

BU #: 858163
ZOD_ALITTEI_NMILC_ELP
PICACHO

3385 AVENIDA DE MESILLA
(HIGHWAY 28)
LAS CRUCES, NM 88005
EXISTING 63'-6" MONOPOLE

ISSUED FOR:

REV	DATE	DRAWN	DISCUSSION	DESIGN
0	10/07/2022	WS	REVALS	TY

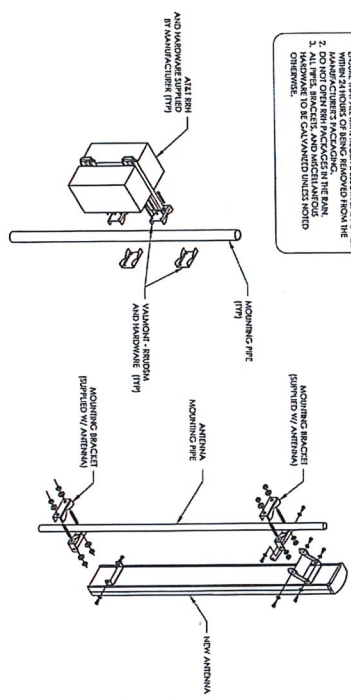


THIS A SIGNATURE ONLY AND NOT A SIGNATURE.
INDICES THIS SIGNATURE IS THE SIGNATURE
OF A LICENSED PROFESSIONAL ENGINEER.
IT IS NOT VALID WITHOUT THE SIGNATURE.

22CA6M-257

SHEET NUMBER: C-3 REVISION: 0

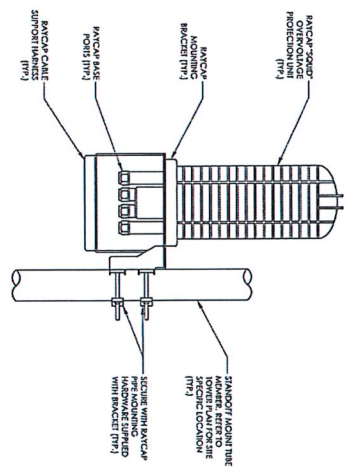
ISSUANCE NOTES:
 1. CONSULT WITH MANUFACTURER INSTRUCTIONS TO VERIFY THAT ALL PARTS ARE SUPPLIED WITH THE ANTENNA.
 2. ALL PINS, SPACERS, AND ACCESSORIES ARE TO BE OBTAINED FROM THE MANUFACTURER.
 3. ALL PINS, SPACERS, AND ACCESSORIES ARE TO BE OBTAINED FROM THE MANUFACTURER.



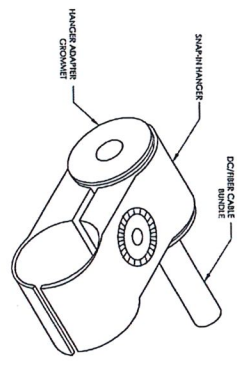
1 ANTENNA WITH RHHS MOUNTING DETAIL
 SCALE: NOT TO SCALE

**THIS SPACE IS
 INTENTIONALLY
 LEFT BLANK**

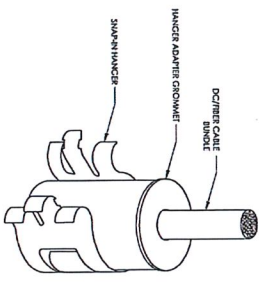
X NOT USED
 SCALE: NOT TO SCALE



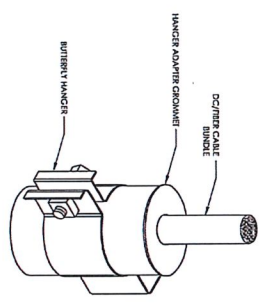
3 RAYCAP SOLID MOUNT DETAIL
 SCALE: NOT TO SCALE



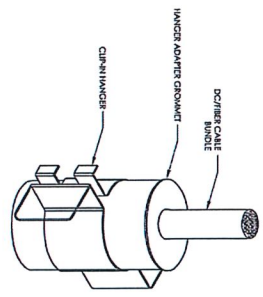
DOUBLE CABLE



2x2x4 HANGER



BOTTOM HANGER



CABLE HANGER

4 HANGER ADAPTER GROMMET DETAILS
 SCALE: NOT TO SCALE



1801 VALLEY VIEW LANE
 FARMERS BRANCH TX 75234



5948 RIVER ROAD, SUITE 425
 IRVING, TEXAS 75038



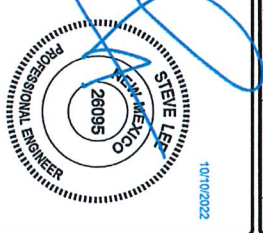
P. MARSHALL & ASSOCIATES
 6801 FORT WORTH TEX. STATE 100,
 IRVING, TEXAS 75014
 OFFICE: 714.677.0964

AT&T SITE NUMBER:
 WTEEN005668

BU #: 858163
 ZOD ALTEL_NMILC_EIP
 PICACHO

3385 AVENIDA DE MEXILLA
 (HIGHWAY 28)
 LAS CRUCES, NM 88805
 EXISTING 63'-6" MONOPOLE

REV	DATE	BY	DISCUSSION	PROJ/CD
0	10/07/2022	WS	FINAL	VT



FOR A VALIDATION OF LAW FOR ANY PERSON,
 THIS SEAL IS VALID ONLY IF THE PERSON IS
 A LICENSED PROFESSIONAL ENGINEER,
 AND IS VALID ONLY IN THE STATE OF NEW MEXICO.

22CA6M-257

SHEET NUMBER: C-4
 REVISION: 0

ERICSSON 64TX

AIR 6449 B77D

- Advanced Antenna System (AAS)
- 150W Power
- 50W to 250W RF Power
- EIRP up to 74dBm
- 100% duty cycle
- Full rated carrier with 120dBm for all
- Support number of carriers: 32, 64, 128
- 4 x 32 Slot E-PAU, Maximum is 320 x 675 x 312.5
- -48VDC max 125W
- -48V DC Input (per 4x4)

Typical power consumption 413W



NOTE: EA sites will use one side of the YDU for Low Band, A 6530 (+ 160w) for Mid Band and a Front Haul Gateway + 3 Radios

1 ANTENNA SPECIFICATIONS
SCALE: NOT TO SCALE

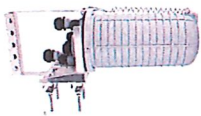
Rooftop / TowerTop

DATA SHEET

The DC9-48-60-24-8C-EV is designed to provide the coordination between the SPD and the RPS-HRU by offering industry-leading surge-clamping capability and high DC voltage protection for use in a high DC voltage environment. Capable of providing 12.5kA (1000A) surge current up to 9-48V DC circuitry.

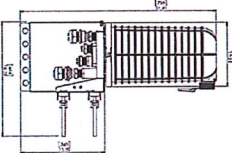
DC Surge Protection Solutions DC9-48-60-24-8C-EV Overvoltage Protection and Power Distribution/Cable Management Solution

Powered by Strikesoft®



- Provides excellent protection for nine horizontal -48V DC circuits
- Surge current rating is 12.5kA (1000A) @ 1000ns
- Filter connections for up to 24 filter pairs
- Simplifies inter-connectivity and cable management for DC conductors
- UL 1449 4th Edition Type 2 protective device for DC applications
- IEC 61813-11 Class 1 protection
- Copper coated lid to reduce power line interference
- Patented design
- Patented Surgeon technology ensures lowest fault-current ratings available in the industry
- Surge protection is available in 1RU and 2RU configurations
- Review recommends that DC protection system be installed within 5 meters of the rack

- Benefits
- Meets UL 1449 4th Edition and IEC 61813-11
- Safety Standards, meeting all intermediate and high current fault requirements to facilitate use in original equipment manufacturers (OEM) applications
- Strikesoft offers unique maintenance-free protection against direct lightning currents
- Design provides maximum flexibility for installation
- NEMA 4X enclosure



Raycap

www.raycast.com

Designed by Raycap Inc. for the DC9-48-60-24-8C-EV
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Doc#CS-15 10/2019

4 COVP SPECIFICATIONS
SCALE: NOT TO SCALE



1801 VALLLEY VIEW LANE
HARRIS BRANCH TX 75334



7065 RIVER ROAD, SUITE 425
INDIANAPOLIS, IN 46208



P. MARSHALL & ASSOCIATES
6801 HOUSTON, TX 77028
OFFICE 713-677-0964

AT&T SITE NUMBER:
WTEIN005668

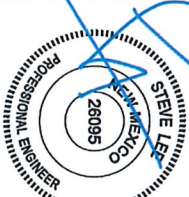
BU #: 858163
ZOD ALTEL_NMLC_ELP
PICACHO

3385 AVENIDA DE MESSILLA
(HIGHWAY 29)
LAS CRUCES, NM 88005

EXISTING 63'-6" MONOPOLE

ISSUED FOR:

REV	DATE	BY	DESCRIPTION	CHK/APP
0	10/02/22	WS	RNALS	TY

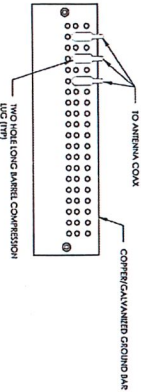


10/10/2022

THIS A PROFESSIONAL ENGINEER AND ARCHITECT HAS REVIEWED AND APPROVED THE DESIGN AND CONSTRUCTION OF THE PROJECT DESCRIBED IN THE PERMITTING DOCUMENTS AND THE PERMITTING AGENCIES.

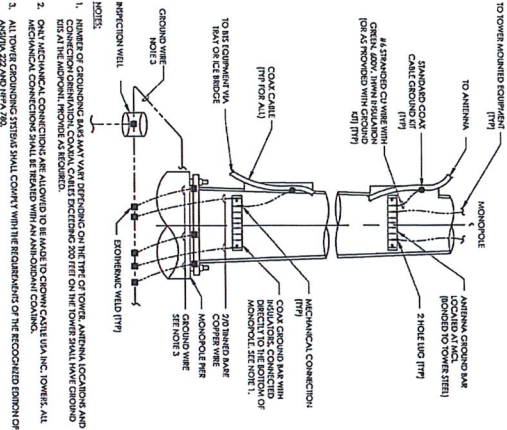
22CA6M-257

SHEET NUMBER: C-5
REVISIONS: 0

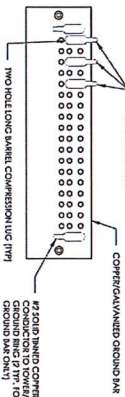


- NOTES:
1. DOUBLING UP OR SPACING OF CONNECTIONS IS NOT PERMITTED.
 2. EXTERIOR ANTI-RUSTING JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 3. GROUND BAR SHALL NOT BE EXCLUDED FROM TOWER INSULATION SURVEILLANCE TO TOWER CELL.

1 ANTENNA GROUND BAR DETAIL
SCALE: NOT TO SCALE

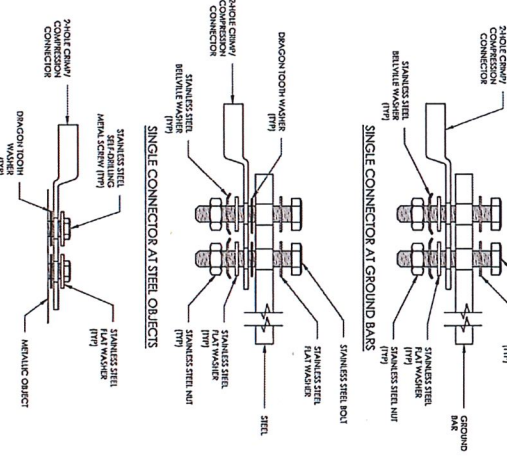


2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE

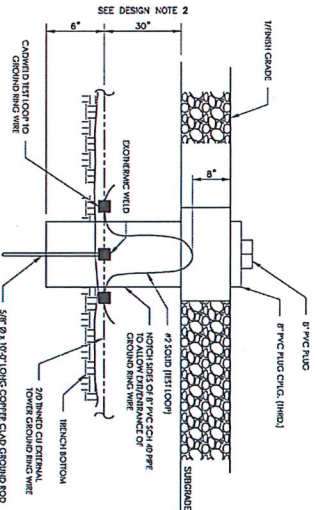


- NOTES:
1. EXTERIOR ANTI-RUSTING JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 2. EXTERIOR ANTI-RUSTING JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 3. GROUND BAR SHALL NOT BE EXCLUDED FROM TOWER INSULATION SURVEILLANCE TO TOWER CELL.

3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE

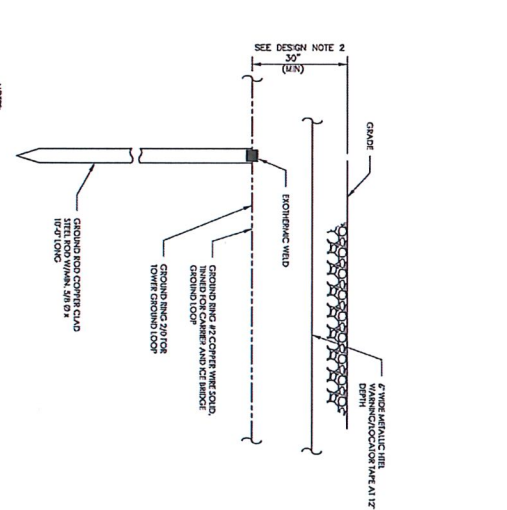


4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



- NOTES:
1. EXTERIOR ANTI-RUSTING JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 2. EXTERIOR ANTI-RUSTING JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
 3. GROUND BAR SHALL NOT BE EXCLUDED FROM TOWER INSULATION SURVEILLANCE TO TOWER CELL.

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

at&t
1801 VALLEY VIEW LANE
FARMERS BRANCH, TX 75254

CROWN CASTLE
9905 HYPER ROAD, SUITE 455
INDIANAPOLIS, IN 46269

PM&A
P. HALL, P.E.
6601 NORTHWEST 125TH ST.
HOUSTON, TX 77024
OFFICE: 713-677-0964

AT&T SITE NUMBER:
WTEN000568
BU #: 858143
ZOD, ATTEL, NMIC, ELP
PICACHO
3385 AVENIDA DE MESSILA
(HIGHWAY 28)
LAS CRUCES, NM 88005
EXISTING 63'-6\"/>

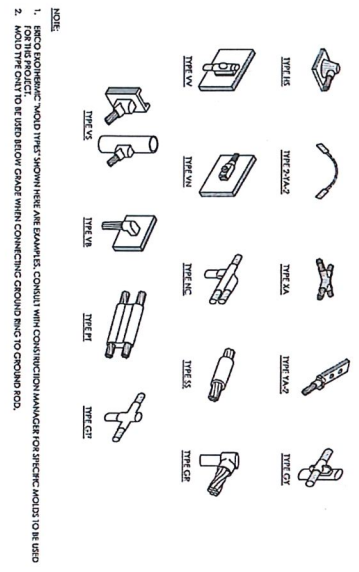
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0	10/02/2022	WS	PMAS		TV

ISSUED FOR:

10/10/2022

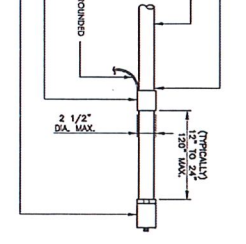
PROFESSIONAL ENGINEER
28095
S. J. LEE
10/10/2022

22CA6M-257
SHEET NUMBER: G-1
REVISION: 0

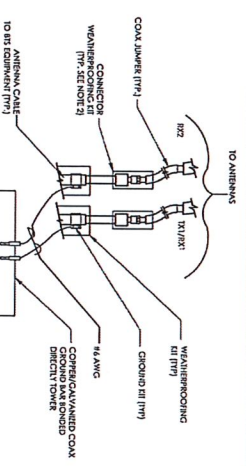


1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

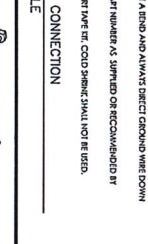
NOTE:
1. BECAUSE OF THE VARIOUS WELD TYPES SHOWN HERE ARE EXAMPLES, CONSULT WITH CONNECTION MANAGER FOR SPECIFIC MODELS TO BE USED.
2. MODEL TYPE MUST BE USED BELOW OTHER WELD TYPES WITH CONNECTIONS TO GROUNDING ROD.



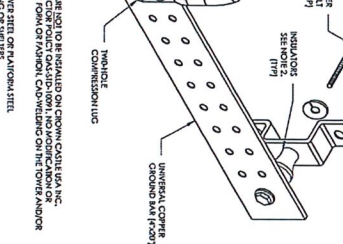
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



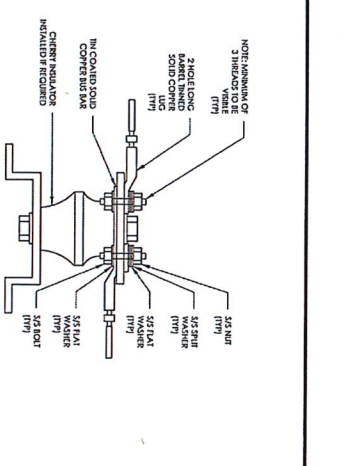
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



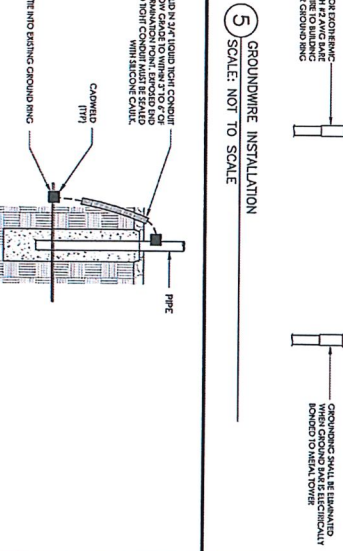
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



5 GROUND WIRE INSTALLATION
SCALE: NOT TO SCALE



6 GROUND BAR DETAIL
SCALE: NOT TO SCALE

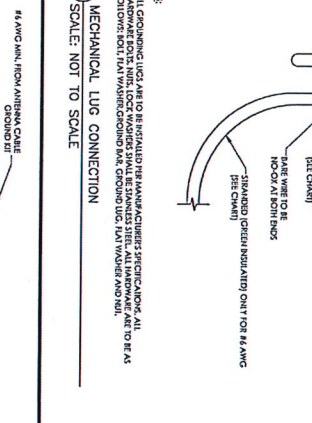


7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

WIRE SIZE	EMBOFF LUG	NOT IFR
4/0 AWG COATED INSULATED	W40C-2823	3/8\" - 1/4-NC 2 2 HOET
4/0 AWG SOLE BONDING	W40C-2823	3/8\" - 1/4-NC 2 2 HOET
4/0 AWG STRANDED	W40C-2823	3/8\" - 1/4-NC 2 2 HOET
4/0 AWG STRANDED	W40C-2823	3/8\" - 1/4-NC 2 2 HOET
4/0 AWG STRANDED	W40C-2823	3/8\" - 1/4-NC 2 2 HOET



9 GROUNDING INSTALLATION
SCALE: NOT TO SCALE

FIN	DATE	BY	DESCRIPTION	PROJ/NO
0	10/02/2022	WS	ISSUED FOR	117

AT&T SITE NUMBER:
WTEN0005668
BU #: 858163
ZOD ALLTEL_NMLC_HELP
PICOACHO
3385 AVENIDA DE MESSILLA
(HIGHWAY 28)
LAS CRUCES, NM 88005
EXISTING 63'-6" MONOPOLE

at&t
1801 VALLEY VIEW LANE
FARMERS BRANCH TX 75284

CROWN CASTLE
9945 RIVER ROAD SUITE 425
INDIANAPOLIS, IN 46240

PM&A
P. MARRILL ASSOCIATE
6801 HUNTINGTON DR. STE 100
HOUSTON, TX 77064
OFFICE: 713-677-0964

AT&T SITE NUMBER:
WTEN0005668
BU #: 858163
ZOD ALLTEL_NMLC_HELP
PICOACHO
3385 AVENIDA DE MESSILLA
(HIGHWAY 28)
LAS CRUCES, NM 88005
EXISTING 63'-6" MONOPOLE

PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
26095
1011022022

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SHEET NUMBER: **G-2** REVISION: **0**
22CAGM-257

Chapter 18.06

PLANNING, ZONING AND HISTORICAL APPROPRIATENESS COMMISSION

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18.06.010 Creation, purpose and establishment – Title.

A. This chapter may be cited as the “planning, zoning and historical appropriateness commission ordinance.”

B. This commission is created by authority granted municipalities under the New Mexico State Statutes 1978, Sections 3-19-1(A)(1) and (2).

C. There is established a planning, zoning and historical appropriateness commission which shall be the planning commission and the zoning commission for the town of Mesilla. [Ord. 2009-05 § 2]

18.06.020 Membership – Ex officio members – Appointment – Qualifications – Terms – Pay.

A. The planning, zoning and historical appropriateness commission shall consist of five members who shall be appointed by the mayor with the consent of the board of trustees. A member of the board of trustees may be appointed as ex officio, nonvoting member of the commission.

B. The mayor with the advice and consent of the board of trustees shall appoint residents of the town of Mesilla to membership on the planning, zoning and historical appropriateness commission.

C. On the first planning, zoning and historical appropriateness commission, a majority of the members shall be appointed for one-year terms and the balance of the members shall be appointed for two-year terms. Each subsequent term of a member on the planning, zoning and historical appropriateness commission shall be for two years or less in order to maintain the original staggering of terms of membership. A vacancy in the membership of the planning, zoning and historical appropriateness commission shall be filled for the remainder of the unexpired term.

D. Members may succeed themselves. [Ord. 2010-04 § 1; Ord. 2010-02 § 4; Ord. 2009-05 § 2]

18.06.030 Notice of appointment.

Each person appointed to the planning, zoning and historical appropriateness commission shall be given notice of her/his appointment by a certificate stating that he/she was appointed as a member of the commission. The certificate shall be signed by the mayor, be attested by the town clerk-treasurer, and bear the municipal seal. [Ord. 2009-05 § 2]

18.06.040 Member – Cause for removal – Procedure.

A. After a public hearing and for cause stated in writing and made part of the public record, the mayor, with the approval of the board of trustees, may remove a member of the planning, zoning and historical appropriateness commission.

B. At least 10 days prior to a hearing by the board of trustees, the member in question shall be given a written notice of the specific grounds for which removal might be exercised and the time, date, and place of the public hearing. [Ord. 2009-05 § 2]

18.06.050 Vacancy – Appointment – Term.

If a vacancy occurs on the planning, zoning and historical appropriateness commission, the mayor with the advice and consent of the board of trustees shall appoint a qualified person to fill such vacancy for the remainder of the unexpired term. [Ord. 2009-05 § 2]

18.06.060 Officers – Term – Vacancy.

A. The planning, zoning and historical appropriateness commission shall elect from its membership a chairperson, vice-chairperson and secretary. Officers shall serve for a one-year term and may succeed themselves.

B. Any office vacated shall be filled by the election of a new officer who shall serve for the remainder of the unexpired term. [Ord. 2009-05 § 2]

18.06.070 Meetings – Place – Quorum – Voting.

A. The planning, zoning and historical appropriateness commission shall meet the first and third Monday of each month or on days specified by the board of trustees. Regular and special meetings shall be called as required by MTC [2.70.010](#).

B. All meetings shall be held in the Mesilla Town Hall unless proper public notice to the contrary is given.

C. A majority of the members of the planning, zoning and historical appropriateness commission shall constitute a quorum for the transaction of business.

D. A motion shall carry upon the affirmative vote of the majority of the members of the planning, zoning and historical appropriateness commission present at a meeting. [Ord. 2009-05 § 2]

18.06.080 Duties – Powers.

A. Duties. The planning, zoning and historical appropriateness commission shall:

1. Prepare, review, hold hearings and recommend to the board of trustees changes, amendments and updating as required to the master plan, comprehensive plan, zoning map, zoning ordinances, subdivision regulations, future land use plan, guidelines and criteria for preservation and development, and historical districts; provided, however, that:

a. No maps, plans or regulations shall be effective until approved by the board of trustees;
and

b. The board of trustees may, after a proper public hearing and notice as required by law, adopt maps, plans and regulations without any recommendation from the planning, zoning and historical appropriateness commission;

2. Approve or disapprove applications for business registrations, building permits for non-historically zoned applications, and sign permits;

3. Review and recommend approval/disapproval of applications for building permits within the Historical zones and General Commercial zone, providing reasons for their recommendation to the board of trustees and the applicant;

4. Review and recommend approval/disapproval of applications for special use permits, zone changes, and subdivision applications, (after following proper procedure as defined in the appropriate section of the comprehensive land use ordinance) providing reasons for the recommendation to the board of trustees and the applicant; and

5. Enforce and carry out the provisions of law relating to planning, platting, zoning, and historical appropriateness; and

6. Exercise such power, authority, jurisdiction and duty not inconsistent with this code and incidental and necessary to carry out the purpose of Section 3-19-2 and Sections [3-21-1](#) through [3-21-26](#) NMSA 1978 which have not been reserved to the board of trustees.

B. Powers. The planning, zoning and historical appropriateness commission will also:

1. Recommend preparation, changing or updating as required, the comprehensive plan for the town of Mesilla;

2. Hold public hearings on special use permits, amendments, supplements, or repeals of the zoning ordinances;

3. Recommend changes and amendments to the comprehensive land use ordinance for adoption by the board of trustees;

4. Hold regularly scheduled meetings;

5. Carry out duties as defined in the comprehensive land use ordinance for the town of Mesilla;

6. Make proposed changes or amendments to the future land use plan;

7. Carry out the duties and responsibilities assigned to the commission in this title. [Ord. 2009-05 § 2]

18.06.090 Procedural rules – Records required.

The planning, zoning and historical appropriateness commission shall adopt regulations for the transaction of business and keep a public record of its transactions, findings, resolutions, determinations and attendance of its members at its meetings. [Ord. 2009-05 § 2]

18.06.100 Records – Commission determinations to be filed.

The commission shall keep a permanent record of its resolutions, transactions and determinations, and may make such rules and regulations consistent with this title and prescribe such forms as needed. The commission shall file with the town clerk-treasurer a notice of all determinations made by it. [Ord. 2009-05 § 2]

18.06.110 Review of applications within Historical and General Commercial zones – Considerations.

A. All applications for work in the Historical zones and Commercial zone (not subject to administrative approval) shall be reviewed by the planning, zoning and historical appropriateness commission. The commission shall determine whether the request involved will be appropriate for the purposes of this title. If the request shall be determined to be inappropriate, the board shall determine whether, owing to conditions especially affecting the building or structure involved, but not affecting the historical district generally, such application may be approved without substantial detriment to the public welfare and without substantial derogation of the intent and purposes of this title.

B. In reviewing an application, the planning, zoning and historical appropriateness commission shall consider in addition to this chapter:

1. The historical and literary value and significance of the site, building, or structure;
2. The general design, arrangement, texture, material and color of the features, sign or billboard involved;
3. The relation of such factors to similar factors or sites, buildings and structures in the immediate surroundings; and
4. The appropriateness of the size and shape of the building or structure in relation to:

- a. The land area upon which the building or structure is situated;
- b. The landscaping and planting features proposed by the applicant; and
- c. The neighboring sites, buildings or structures within the historical district.

5. The commission shall also consider the applicable zoning and other laws of the town.

C. In recommending approval of an application the commission may impose conditions which shall be binding upon the property. Prior to approving an application subject to conditions, the commission may notify the applicant of its proposed action to solicit his opinion. The concurring vote of three members of the board shall be necessary to make a determination in favor of the applicant on any application.

[Ord. 2009-05 § 2]

18.06.120 Certificate of appropriateness – Conditions imposed – Permit for demolition or removal.

A. The planning, zoning and historical appropriateness commission shall review all applications in the Historical zones or Commercial zone for historical appropriateness, following the standards and processes outlined in Chapter [18.33](#) MTC (Historic Preservation). Upon the approval of an application by the planning, zoning and historical appropriateness commission, a certificate of appropriateness or permit for demolition or removal, as appropriate, shall be issued to the applicant. The certificate or permit shall state the nature of the approval and the date given. Following the certificate of appropriateness process, the case shall be reviewed for a building permit by the planning commission for recommendation to the board of trustees. The board of trustees will be the final decision for building permits in the Historical zones and Commercial zone.

B. In approving an application for historical appropriateness, the planning, zoning and historical appropriateness commission may impose conditions which, if the certificate of appropriateness is acted upon, shall be binding upon the applicant, the owner of the property and the owner's successors in title. Prior to approving an application for historical appropriateness subject to conditions, the commission may notify the applicant of its proposed action and permit the applicant to express her/his opinion thereon. The conditions will be part of the subsequent building permit process.

C. Demolition Permit. If the commission recommends approval of an application for a permit for demolition, the commission shall forward its recommendation to the board of trustees. [Ord. 2009-05

§ 2]

18.06.130 Disapproval – Notice – Modification of application.

A. Disapproval. In the case of disapproval of an application for a permit for demolition or removal, the commission shall issue a notice of its determination, dated and signed by its chairman to the applicant, detailing the reasons for its determination.

B. The commission may make recommendations to the applicant with respect to appropriateness of design, arrangement, texture, material, color and similar factors before disapproving the application.

[Ord. 2009-05 § 2]

18.06.140 Appeal from historical review action.

A. Any person or persons, or any board, taxpayer, or the town government aggrieved by any decision of the planning, zoning and historical appropriateness commission may appeal the commission decision. Appeals from a decision of the planning, zoning and historical appropriateness commission shall be made to the board of trustees by a written notice of appeal which shall be filed and dated in the town clerk-treasurer's office within 20 days of the date of the decision of the planning, zoning and historical appropriateness commission. The town clerk-treasurer shall forthwith forward the notice of appeal to the mayor.

B. The board of trustees shall act to either confirm commission action or to overcome such action in conformance with the submitted appeal within 40 days after a notice of appeal is filed.

C. Action by the board of trustees shall be final and conclusive. [Ord. 2009-05 § 2]

18.06.150 Appeal from a planning and platting decision of the planning, zoning and historical appropriateness commission – Grounds – Action in district court.

A. The board of trustees shall provide by resolution the procedure to be followed in considering appeals from planning, zoning and historical appropriateness commission action on planning and platting matters.

B. Any person, in interest, dissatisfied with any planning and platting order or determination by the planning, zoning and historical appropriateness commission may appeal to the board of trustees. An appeal shall be filed within 20 days of the decision of the planning commission and dated in the town clerk-treasurer's office. The town clerk-treasurer shall forthwith forward the appeal to the board of trustees.

C. If the board of trustees determines that the order or determination or any part thereof of the planning, zoning and historical appropriateness commission is unlawful or unreasonable, the board of trustees may make any appropriate change in any such order or determination. The board of trustees shall act upon the appeal within 40 days after the notice of appeal was filed.

D. An appeal from the decision of the board of trustees may be appealed to the district court as provided by Section [3-19-8](#) NMSA 1978. [Ord. 2009-05 § 2]

18.06.160 Appeal from a zoning decision of the planning, zoning and historical appropriateness commission – Grounds – Stay of proceedings.

A. The board of trustees shall provide by resolution the procedure to be followed in considering appeals from planning, zoning and historical appropriateness commission action on zoning matters.

B. Any aggrieved person or any officer, department or board or bureau of the municipality affected by a zoning decision of the planning, zoning and historical appropriateness commission, or official or committee thereof, in the exercise of its zoning duties and powers may appeal to the board of trustees. An appeal shall be filed within 20 days of the decision of the planning commission and dated in the town clerk-treasurer's office. The town clerk-treasurer shall forthwith forward the appeal to the board of trustees. An appeal shall stay all proceedings in furtherance of the action appealed unless the planning, zoning and historical appropriateness commission, or official or committee thereof, from whom the appeal is taken, certifies that by reason of facts stated in the certificate, a stay would cause imminent peril of life or property. Upon certification, the proceedings shall not be stayed except by order of district court after notice to the planning, zoning and historical appropriateness commission, or official or committee thereof, from whom the appeal is taken and on due cause shown.

C. If the board of trustees determines that the order or determination or any part thereof of the planning, zoning and historical appropriateness commission is unlawful or unreasonable, the board of trustees may make any appropriate change in any such order or determination. The board of trustees shall act upon the appeal within 40 days after the notice of appeal was filed.

D. When an appeal alleges that there is error in any order, requirement, decision or determination by the planning, zoning and historical appropriateness commission, or an official or committee thereof, in the exercise of its powers and duties, the board of trustees by a two-thirds vote of all of its members may:

1. Authorize, in appropriate cases and subject to appropriate conditions and safeguards, special exceptions to the terms of the zoning ordinance or resolution:

a. Which are not contrary to the public interest;

b. Where, owing to special conditions, a literal enforcement of the zoning ordinance will result in unnecessary hardship; and

c. So that the spirit of the zoning ordinance is observed and substantial justice done; or

2. In conformity with Sections [3-21-1](#) through [3-21-14](#) NMSA 1978:

a. Reverse any order, requirement, decision or determination of the planning, zoning and historical appropriateness commission, or official or committee thereof;

b. Decide in favor of the appellant; or

c. Make any change in any order, requirement, decision, or determination of the planning, zoning and historical appropriateness commission, or official or committee thereof. [Ord. 2009-05 § 2]

The Mesilla Town Code is current through Ordinance 2021-03, passed December 30, 2021.

Disclaimer: The town clerk's office has the official version of the Mesilla Town Code. Users should contact the town clerk's office for ordinances passed subsequent to the ordinance cited above.

Town Website: <http://www.mesillanm.gov/>

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