



# Development Review (Minor) Staff Approval

**T- Mobile PH10925D -  
McDowell Mtn HOA**

APPLICATION INFORMATION	
<b>LOCATION:</b> 16116 N McDowell Mountain Ranch Rd <b>PARCEL:</b> 217-17-002G <b>Q.S.:</b> 35-53 <b>ZONING:</b> PCoC ESL	<b>APPLICANT:</b> Moriah Solomon <b>COMPANY:</b> Reliant Land Services <b>ADDRESS:</b> 8170 N. 86th Place, Suite 103 Scottsdale, AZ 85258 <b>PHONE:</b> (602) 625-6628
<b>Request:</b> Modification to existing T-Mobile wireless communication facility (WCF) consisting of extending the width and height of an existing faux chimney and modifying antennas and associated equipment inside chimney.	

### STIPULATIONS

1. Plans submitted with the construction drawing submittal shall be consistent with the plans submitted by Reliant Land Services and T-Mobile, with a date of 4/30/19.
2. New faux chimney color, texture materials shall match existing faux chimney.
3. Schedule a pre-construction meeting with Inspection Services by calling 480-312-5796. This note shall appear on the cover sheet.

### CONSTRUCTION DOCUMENT PLAN REVIEW SUBMITTAL REQUIREMENTS

Submit construction drawings on-line at the below link. Construction drawings shall be reviewed by Building MPE, Building Structural, Fire and Planning.

<https://eservices.scottsdaleaz.gov/bldgresources/Plans>

ARCHITECTURAL:  Submit CD's digitally to be reviewed by Building MPE & Structural, Fire & Planning  
 OTHER:  Structural Report

#### Expiration of Development Review (Minor) Approval

This approval expires two (2) years from date of approval if a permit has not been issued, or if no permit is required, work for which approval has been granted has not been completed.

Staff Signature:  _____ <div style="text-align: center;">Keith Niederer</div>	Date: <u>5/13/2019</u>
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1330 West Southern Ave, Ste A-102,  
Tempe, Az 85282

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City of Scottsdale  
7447 E. Indian School, suite 105  
Scottsdale, AZ 85251

May 2, 2019

Project Narrative

Subject: T-Mobile PH10925D – McDowell Mtn HOA

Dear City Planner,

T-Mobile proposes to complete a modification on a building located 16116 N. McDowell Mountain Ranch Road Scottsdale, AZ 85255

The scope of work includes the following:

EXTEND WIDTH AND HEIGHT OF (E) FAUX CHIMNEY  
REMOVE (3) ANTENNAS  
REMOVE (3) TOWER MOUNTED AMPLIFIERS  
REMOVE (6) DIPLEXERS  
INSTALL (3) ANTENNAS  
INSTALL (1) COMBINED OVER VOLTAGE PROTECTION UNITS (COVPs)  
INSTALL (6) REMOTE RADIO UNITS (RRUs)  
INSTALL (1) HYBRID CABLES

Sincerely,  
Moriah Solomon  
Reliant Land Services, Inc.  
8170 N. 86th Place, Suite 103  
Scottsdale, AZ 85258  
Email: [moriah.solomon@rlsusa.com](mailto:moriah.solomon@rlsusa.com)  
Mobile: 602-625-6628  
Authorized Representative for T-Mobile



1330 W. Southern, Tempe, AZ 85282

April 1, 2019

McDowell Mountain Ranch Community Association  
16116 N. McDowell Mountain Ranch Road  
Scottsdale, AZ 85255

Re: T-Mobile Site #: PH10925D McDowell Mountain  
Site Address: 16116 N. McDowell Mountain Ranch Road. Scottsdale, AZ 85255  
**Acknowledgment and Consent Letter for Modification of Antenna Facilities.**

Dear Sir or Madam:

T-Mobile West Corporation, a Delaware corporation ("T-Mobile"), and McDowell Mountain Ranch Community Association, entered into a site Lease with option dated September 7, 2005 for a site located at 16116 N. McDowell Mountain Ranch Road, Scottsdale, AZ 85255, upon which T-Mobile operates wireless antenna facilities.

Pursuant to the Lease, T-Mobile has the right to alter, replace, expand, enhance, modify or upgrade the antenna facilities at any time during the term of the Lease with landlord's approval, which cannot be unreasonably withheld, conditioned or delayed.

T-Mobile needs to modify the antenna facilities by installing the equipment described in attached file. All of the equipment will be installed within the existing premises. According to what was agreed upon, T-Mobile will increase the monthly rent amount by \$450. The total new monthly rent will be \$1,640.25.

To confirm your approval of the proposed modifications to the antenna facilities, please sign and date the acceptance and acknowledgment below, keep one copy for your records and return via email the other to copy to us. Prior to the start of any construction activities T-Mobile will contact you to coordinate the construction schedule. If you have any questions, please contact me below. We thank you for your courtesy and cooperation.

Sincerely,

*Frank Cruz*

Frank Cruz  
Project Manager, Reliant Land Services, Inc.  
Authorized Representative for T-Mobile.

**Acknowledged, Accepted and Agreed:**

**Landlord:** McDowell Mountain Ranch Community Association

By: 

Name: CHRIS RICHARDSON

Title: GENERAL MANAGER

Date: 4/2/19







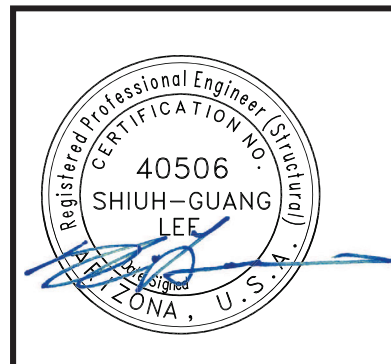
**RELIANT LAND SERVICES**

## Structural Calculations

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Project: T-Mobile  
Site number: PH10925D  
Site name: McDowell Mountain HOA  
Address: 16116 N. McDowell Mountain Road  
Scottsdale, AZ85255  
Maricopa County  
Date: 04/29/19

THESE CALCULATIONS ARE THE SOLE PROPERTY OF THIS FIRM, AND MAY NOT BE USED WITHOUT WRITTEN CONSENT. THE BUILDING OFFICIALS SHALL NOT ACCEPT THESE CALCULATIONS UNLESS WET STAMPED AND SIGNED BY THE ENGINEER OF RECORD.



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**Description of the project:**

Design of faux chimney expansion over existing rooftop

**Design Criteria:**

Design code: 2018 IBC

Seismic: Risk Category II, Site D,  $S_s = 0.213$  g,  $S_1 = 0.066$  g

Wind: Exposure C, 115 mph.

**Reference:**

Existing building as-built drawing: n/a

Previous site as-built drawing: by "CSI, inc", no. 15-1761, dated 09/28/2006

**Disclosure:**

Please be advised that the evaluation and recommendations made were based on minimum design loads per current building codes without full as-built plans and without on-site intrusive investigation and verifications. With this inherent limitation, the design and evaluation were done in accordance with generally accepted engineering principles and practice. The engineer of record shall be notified immediately when discrepancy occurs between the actual on-site condition and this report and/or drawings for remedial solutions.



# PH10925D

16116 E McDowell Mountain Ranch Rd, Scottsdale, AZ 85255, USA

Latitude, Longitude: 33.631903, -111.84901500000001

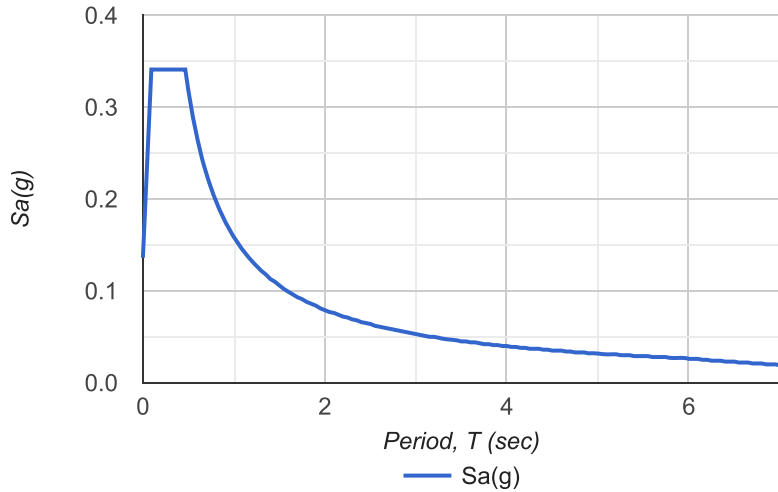


<b>Date</b>	5/1/2019, 11:43:54 AM
<b>Design Code Reference Document</b>	ASCE7-10
<b>Risk Category</b>	II
<b>Site Class</b>	D - Stiff Soil

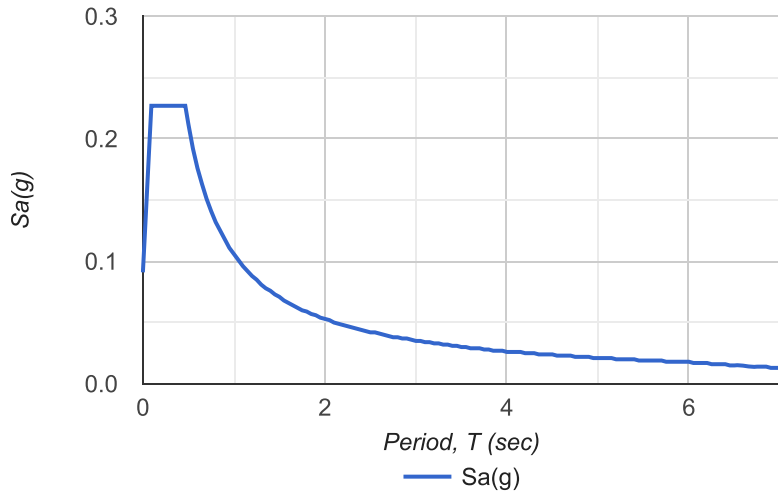
Type	Value	Description
$S_S$	0.213	$MCE_R$ ground motion. (for 0.2 second period)
$S_1$	0.066	$MCE_R$ ground motion. (for 1.0s period)
$S_{MS}$	0.341	Site-modified spectral acceleration value
$S_{M1}$	0.159	Site-modified spectral acceleration value
$S_{DS}$	0.227	Numeric seismic design value at 0.2 second SA
$S_{D1}$	0.106	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	B	Seismic design category
$F_a$	1.6	Site amplification factor at 0.2 second
$F_v$	2.4	Site amplification factor at 1.0 second
PGA	0.088	$MCE_G$ peak ground acceleration
$F_{PGA}$	1.6	Site amplification factor at PGA
$PGA_M$	0.141	Site modified peak ground acceleration
$T_L$	6	Long-period transition period in seconds
$S_{sRT}$	0.213	Probabilistic risk-targeted ground motion. (0.2 second)
$S_{sUH}$	0.234	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
$S_{sD}$	1.5	Factored deterministic acceleration value. (0.2 second)
$S_{1RT}$	0.066	Probabilistic risk-targeted ground motion. (1.0 second)
$S_{1UH}$	0.071	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
$S_{1D}$	0.6	Factored deterministic acceleration value. (1.0 second)
$PGA_d$	0.5	Factored deterministic acceleration value. (Peak Ground Acceleration)
$C_{RS}$	0.909	Mapped value of the risk coefficient at short periods

### MCER Response Spectrum



### Design Response Spectrum



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## Seismic Calculation for faux chimney rooftop anchorage

Site Coordinates = **33.631903, -111.8490**

Soil Site Class = **D**

Risk Category = **II**

From Spectrum Data:

$$\begin{aligned}
 S_{MS} &= \mathbf{0.341} \text{ g} & S_{DS} &= 2/3 S_{MS} = \mathbf{0.227} \text{ g} \\
 S_{M1} &= \mathbf{0.159} \text{ g} & S_{D1} &= 2/3 S_{M1} = \mathbf{0.106} \text{ g} \\
 & & \text{Seismic Design Category} &= \mathbf{B} \\
 & & \rho &= \mathbf{1.0}
 \end{aligned}$$

### Seismic Design Force :

$$R_p = \mathbf{2.5} \quad a_p = \mathbf{1.0}$$

$$I_p = \mathbf{1.0} \quad z/h = \mathbf{1.0}$$

$$W_p = \mathbf{10} \text{ lbs} \quad \text{Faux chimney unit weight}$$

$$F_p = [0.4 a_p S_{DS} W_p / (R_p/I_p)] \times (1+2(z/h))$$

$$= \mathbf{1.09} \text{ lbs}$$

$$F_{p,MAX} = 1.6 S_{DS} I_p W_p \quad F_{p,MIN} = 0.3 S_{DS} I_p W_p$$

$$= \mathbf{3.64} \text{ lbs}$$

$$= \mathbf{0.68} \text{ lbs}$$

Therefore

$$F_p = \mathbf{1.09} \text{ lbs}$$

### Seismic Load Effects E :

$$E = \rho F_p \pm 0.2 S_{DS} D$$

$$= \mathbf{1.09} \text{ lbs}$$

(Lateral)

$$\pm \mathbf{0.45} \text{ lbs}$$

(Vertical)

Seismic Lateral Coefficient = **0.11**

ASD design coefficient = **0.08**

## Antenna Wind Loads for anchorage design

Basic Wind Speed = **115** mph

Exposure = **C**

Category = **II**

Mean Roof Height (h) = **30** ft

Non-building Structure : Antenna

W = **1.0** ft

H = **1.0** ft

### Apply "Design Wind Loads on Other Structures"

$$F_{\text{Wind}} = q_h (G C_f) A_f$$

$q_z$  = velocity pressure evaluated at height z of the centroid of area of  $A_f$   
 $= 0.00256 K_z K_{zt} K_d V^2$  (lb/ft<sup>2</sup>)

$$K_z = \mathbf{0.98}$$

$$K_{zt} = (1 + K_1 K_2 K_3)^2$$

$$= \mathbf{1.0}$$

$$K_d = \mathbf{0.85}$$

$$V = \mathbf{115}$$
 mph

$$q_z = \mathbf{28.2}$$
 psf

$$G = \mathbf{0.85}$$

$$C_f = \mathbf{1.3}$$

$$G C_f = \mathbf{1.105}$$

$$f_{\text{wind}} = \mathbf{31.2}$$
 psf

$$\text{ASD factor} = \mathbf{0.6}$$

for screen ONLY

Base increase factor = 1.9

With reduction factor =  $1.9 - [(1.9-1.0) \times 0.0] = \mathbf{1.9}$

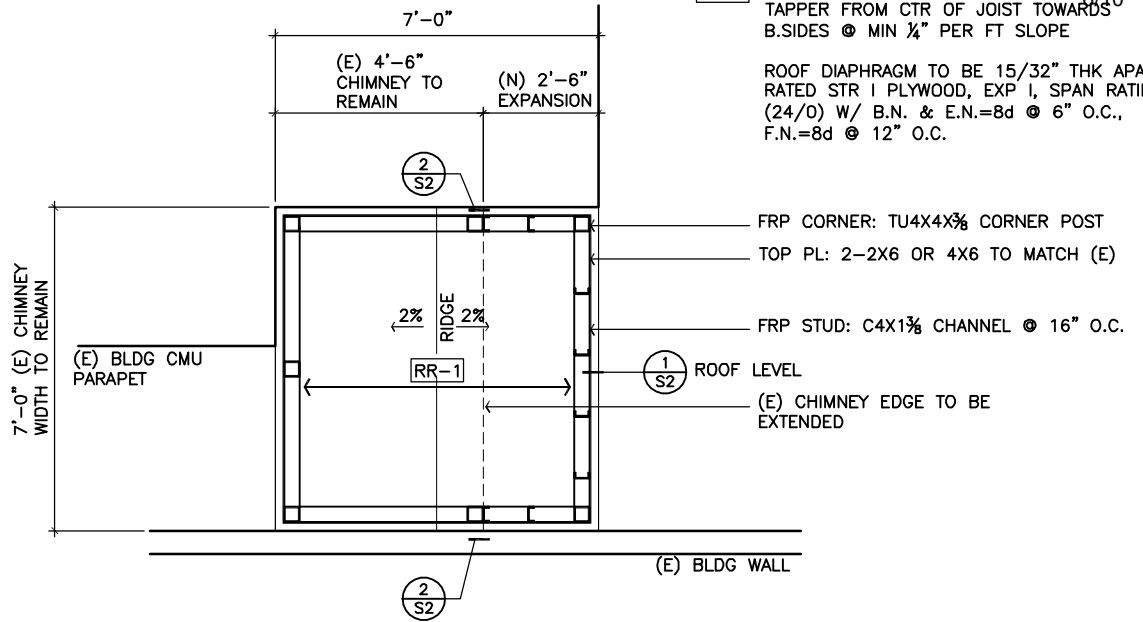
$$\text{Final Fw (LRFD)} = \mathbf{59.2}$$
 psf =  $\mathbf{59.2}$  lbs

$$\text{Final Fw (ASD)} = \mathbf{35.5}$$
 psf =  $\mathbf{35.5}$  lbs

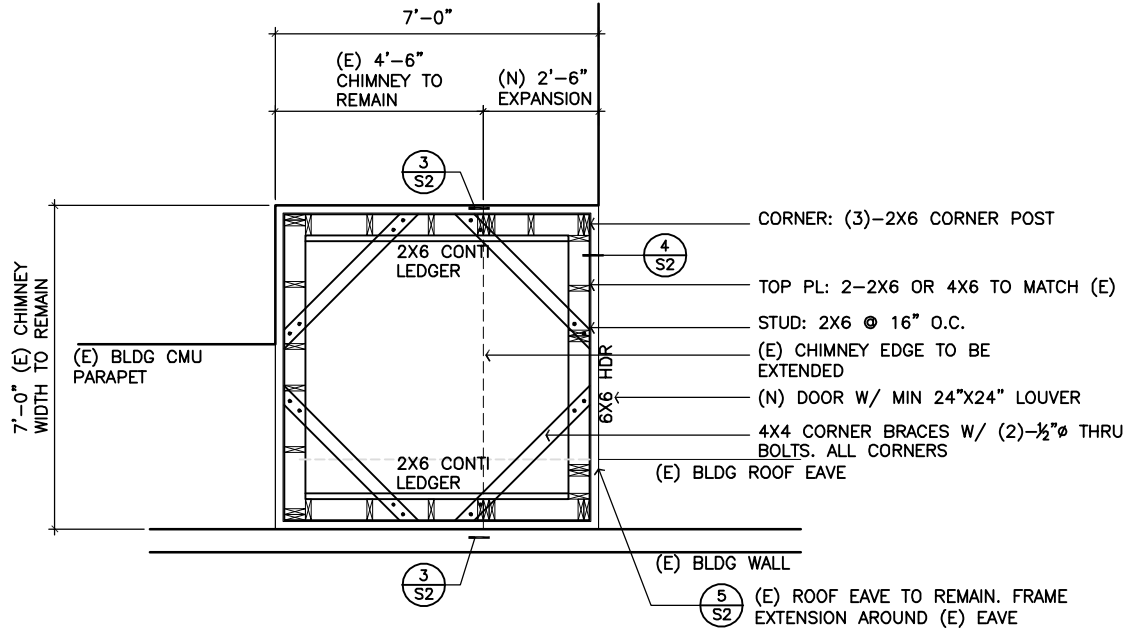
RR-1 (N) 2X6 ROOF JOIST @ 16" O.C. TAPPER FROM CTR OF JOIST TOWARDS B.SIDES @ MIN 1/4" PER FT SLOPE

ROOF DIAPHRAGM TO BE 15/32" THK APA RATED STR I PLYWOOD, EXP I, SPAN RATING (24/0) W/ B.N. & E.N.=8d @ 6" O.C., F.N.=8d @ 12" O.C.

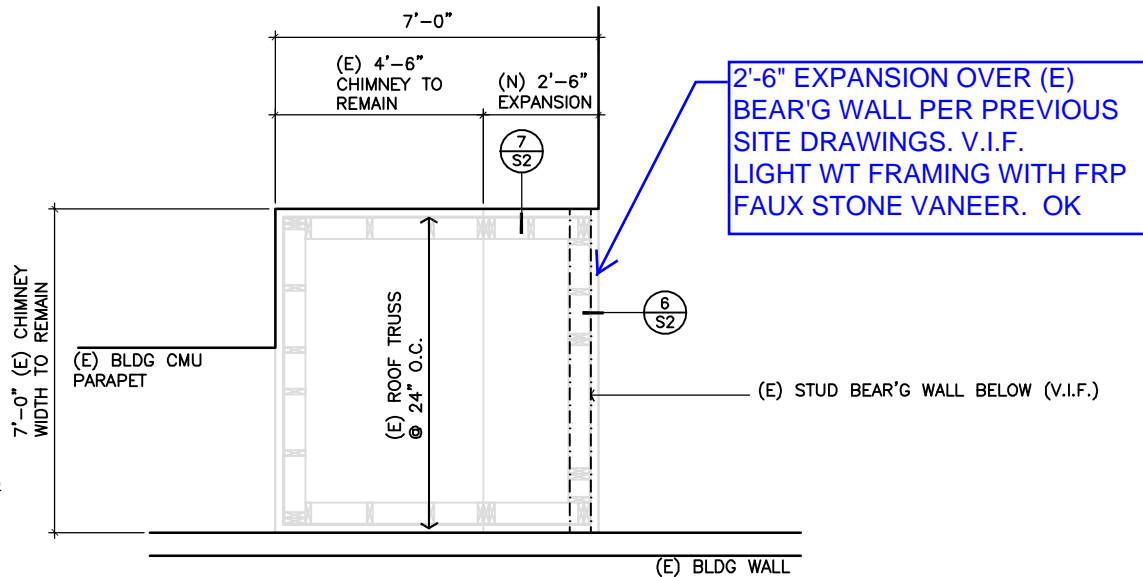
**CHIMNEY TOWER ROOF PLAN**



**CHIMNEY TOWER MID LEVEL**



**CHIMNEY TOWER BASE LEVEL**



**2X6 ROOF RAFTER**

PAGE:  
DATE:  
JOB No:

**MAXIMUM ROOF RAFTER SPANS:**

Roofing Material: built-up roofing Pitch: 0.0 :12  
DL= psf LL= psf SPACING: in L / factor= 360

SIZE	d(in)	A(in <sup>2</sup> )	S(in <sup>3</sup> )	I(in <sup>4</sup> )	CF	Cr	CD
2 X 6	5.50	8.25	7.56	20.80	1.30	1.15	1.25
2 X 8	7.25	10.88	13.14	47.64	1.20	1.15	1.25
2 X 10	9.25	13.88	21.39	98.93	1.10	1.15	1.25
2 X 12	11.25	16.88	31.64	177.98	1.00	1.15	1.25

**GRADE: DOUGLAS FIR # 2**

Fb= 875 Fv= 95 E= 1600000

SIZE	F'b	F'v	L(bending)	L(shear)	L(deflect)	L(max)
2 X 6	1635.16	118.75	14.36	32.66	10.72	<b>10.72</b>
2 X 8	1509.38	118.75	18.18	43.05	14.13	<b>14.13</b>
2 X 10	1383.59	118.75	22.21	54.92	18.03	<b>18.03</b>
2 X 12	1257.81	118.75	25.75	66.80	21.93	<b>21.93</b>

notching end to form 1/4" slope.  
net edge depth = 5.5-0.25"x3.5' =  
4.625" End shear bearing OK

**GRADE: DOUGLAS FIR #1**

Fb= 1000 Fv= 95 E= 1700000

SIZE	F'b	F'v	L(bending)	L(shear)	L(deflect)	L(max)
2 X 6	1868.75	118.75	15.35	32.66	10.94	<b>10.94</b>
2 X 8	1725.00	118.75	19.44	43.05	14.42	<b>14.42</b>
2 X 10	1581.25	118.75	23.74	54.92	18.40	<b>18.40</b>
2 X 12	1437.50	118.75	27.53	66.80	22.38	<b>22.38</b>

**GRADE: DOUGLAS FIR #1& BETTER**

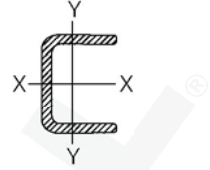
Fb= 1150 Fv= 95 E= 1800000

SIZE	F'b	F'v	L(bending)	L(shear)	L(deflect)	L(max)
2 X 6	2149.06	118.75	16.46	32.66	11.15	<b>11.15</b>
2 X 8	1983.75	118.75	20.84	43.05	14.70	<b>14.70</b>
2 X 10	1818.44	118.75	25.46	54.92	18.75	<b>18.75</b>
2 X 12	1653.13	118.75	29.53	66.80	22.81	<b>22.81</b>

**BEAMS**

**CHANNELS — EXTREN® 500 & 525**  
**E = 2.6 x 10<sup>6</sup> psi**

**Allowable Uniform Loads in Pounds Per Foot**



	SPAN IN FEET	LATERALLY SUPPORTED - GOVERNED BY:						
		Stress *F <sub>b</sub> or F <sub>v</sub>	Deflection					
			l/100	l/150	l/180	l/240	l/360	
** 4 x 1-1/16 x 1/8 Wt/ft. = 0.58 lbs. b <sub>f</sub> /t <sub>f</sub> = 8.50 F <sub>b</sub> = 5043 psi A <sub>w</sub> = 0.47 in <sup>2</sup> I <sub>x</sub> = 1.55 in <sup>4</sup> S <sub>x</sub> = 0.78 in <sup>3</sup> I <sub>y</sub> = 0.01 in <sup>4</sup> J = 0.004 in <sup>4</sup>	3	*291	—	—	—	234	156	
	4	*164	—	—	151	113	76	
	5	*105	—	100	83	62	42	
	6	*73	—	60	50	38	25	
	7	*54	—	39	32	24	16	
	8	*41	40	26	22	17	11	
	9	*32	28	19	16	12	8	
	10	*26	21	14	12	9	6	
	4 x 1-1/8 x 1/4 Wt/ft. = 1.11 lbs. b <sub>f</sub> /t <sub>f</sub> = 4.50 F <sub>b</sub> = 9228 psi A <sub>w</sub> = 0.88 in <sup>2</sup> I <sub>x</sub> = 2.87 in <sup>4</sup> S <sub>x</sub> = 1.43 in <sup>3</sup> I <sub>y</sub> = 0.13 in <sup>4</sup> J = 0.030 in <sup>4</sup>	3	880	—	696	580	435	290
		4	*550	505	337	281	210	140
5		*352	277	185	154	116	77	
6		*244	167	111	93	70	46	
7		*180	108	72	60	45	30	
8		*137	74	49	41	31	20	
9		*109	52	35	29	22	15	
10		*88	38	26	21	16	11	
4 x 1-3/8 x 3/16 Wt/ft. = 0.94 lbs. b <sub>f</sub> /t <sub>f</sub> = 7.33 F <sub>b</sub> = 5803 psi A <sub>w</sub> = 0.68 in <sup>2</sup> I <sub>x</sub> = 2.62 in <sup>4</sup> S <sub>x</sub> = 1.31 in <sup>3</sup> I <sub>y</sub> = 0.19 in <sup>4</sup> J = 0.014 in <sup>4</sup>		3	*563	—	—	503	377	251
		4	*317	—	297	248	186	124
	5	*203	—	165	137	103	69	
	6	*141	—	100	83	63	42	
	7	*103	97	65	54	41	27	
	8	*79	66	44	37	28	18	
	9	*63	47	32	26	20	13	
	10	*51	35	23	19	15	10	

\*\* Non-stock size subject to mill run requirements.

Deflection not critical. Actual wind load =  
35.5 psf x 21.33' = 47.2 #/ft OK

LOWER LEVEL 2X6 STUD @ 16" O.C.

PAGE:  
DATE:  
JOB No:

**STUD OR COLUMN DESIGN:**

DESCRIPTION: **10'-0" stud height**

LOADING:	DL(psf)	LL(psf)	W OR H/2	DL(plf)	LL(plf)	AXIAL LOAD:
ROOF:	10.00	20.00	3.50	35	70	DEAD: 0.00
WALL:	10.00		10.00	100		LIVE: 0.00
FLOOR:	0.00	0.00	0.00	0	0	
			TL(plf):	135	70	
WIND LOAD: P=		16.00 psf		Fp=	3 psf	

Hx= 10.00 ft  
Hy= 0.00 ft

SPACING: 16.00 in

SELECT A TRIAL SIZE :

2 X 6 ▼

NUMBER: 1

SIZE	dy(in)	dx(in)	A(in^2)	S(in^3)	I(in^4)	
2 X 6	1.5	5.5	8.25	7.5625	20.8	
CM= 1.00		Ct= 1.00		CL= 1.00		Kf= 1
Cr = 1.15		CT= 1.00		K= 1		PIN:PIN

DOUGLAS FIR GRADE # 1

Fb	Fv	E	Fc	Fcn
875.00	95.00	1600000	1300	625

(le/d)y= 0 in      Cb=(Lb+0.375)/Lb= 1.25  
(le/d)x= 21.82 in

**FOR VISUALLY GRADED SAWN LUMBER:**

Kce= 0.3  
c= 0.8

**CHECK STUD FOR VERTICAL LOADS ONLY:**

F' b	E'	F'c	F'cn	Fce=	1008.33 psi	CD= 1.25	CF= 1.1
1383.59	1600000	852.74651	781.25	F*c=	1787.5 psi		Fce/F*c= 0.564
PDL= 180		PLL= 93.333333		Ptotal=	273.33333		Cp= 0.477
fc=P/A=	33.13	OKAY					

**CHECK STUDS FOR VERTICAL AND LATERAL LOADS:**

F' b	E'	F'c	F'cn	Fce=	1008.33 psi	CD= 1.33	CF= 1.3
1739.81	1600000	864.33018	781.25	F*c=	1901.9 psi		Fce/F*c= 0.530
w= 21.33		plf	M=wh^2/8	3200.00	in-lb		Cp= 0.454
fc=P/A=	33.13	OKAY					psi
fb=M/S=	423.14	OKAY					

**CHECK COMBINED STRESSES:**

check (fc/F'c)^2+(1/(1-fc/Fce))\*fb/F'b <=1.0  
(fc/F'c)^2+(1/(1-fc/Fce))\*fb/F'b = 0.25      OKAY

**CHECK DEFLECTION:**

DEFLECTION CRITERIA: 240  
MAXIMUM ALLOWED DEFLECTION: 0.50 in  
ACTUAL DEFLECTION DUE TO LATERAL LOADS: 0.14 in  
ADDITIONAL DEFLECTION DUE TO P-DELTA: 0.00 in  
TOTAL ACTUAL DEFLECTION: 0.15 in

OKAY

USE 1      2 X 6      DF# 2      AT      16      INCHES o/c

DL of entire 16'h faux chimney tower =  $10 \text{ psf} \times 16' \times 7' \times 4 = 4,480\#$   
 Seismic load =  $0.11 \times 4,480\# = 493 \text{ lbs}$   
 Wind load =  $35.5 \text{ psf} \times 16' \times 7' = 3,976 \text{ lbs}$

Roof diaphragm =  $3976 \text{ lbs} / 4 / 7' = 142 \#/\text{ft}$   
 typ 1/2" STR-I plywood w/  
 8d E.N. no block'g V allow  
 = 200 #/ft OK

PROPOSED FIBERGLASS ANTENNA ENCLOSURE TO MATCH PROPOSED CHIMNEY DESIGN (BY OTHERS)

FIBERGLASS TOP PLATE TO BOLT TO WOOD SILL FOR THE ROOF ASSEMBLY

FIBERGLASS SILL TO BOLT TO WOOD TOP PLATE

2" X 6" DOUBLE TOP PLATE (TYP.)

Wall plywood shear value  
 Force =  $3976 \text{ lbs} / 2 / 7' = 284 \#/\text{ft}$   
 provide 3/8" Plywd w/ 10d  
 @ 6" blocked edges. V  
 allow = 280#/ft OK

In addition, faux chimney is braced against existing building 2nd floor wall. OK by inspection.

3  
S-1

EXISTING PARAPET

3/8" x 5" LONG LAG SCREW (TYP.) @ 12" O.C. (AND TRUSS BELOW)

CHIMNEY WEST ELEVATION

JOIST @ 16" O.C. 5-3

2  
S-3

SIMPSON H2.5 AT EACH STUD (TOP AND BOTTOM)

FIBERGLASS STUDS (BY OTHERS)

PROPOSED ANTENNAS (TYP.)

4  
S-3

EXISTING ROOF

PROPOSED SADDLE

2" X 6" DOUBLE TOP PLATE

2" X 6" STUD (TYP.)

EXISTING BUILDING

2" FIBERGLASS ROCK VENEER TO MATCH EXISTING (BY OTHERS)

FINISHED ROOF

All sides of faux chimney is supported by bearing wall wood or CMU. OK by inspection



T-MOBILE SITE NUMBER: PH10925D

T-MOBILE SITE NAME: McDOWELL MTN HOA

SITE ADDRESS: 16116 N. McDOWELL MTN RANCH RD

SCOTTSDALE, AZ 85255

COUNTY: MARICOPA

JURISDICTION: CITY OF SCOTTSDALE

MARICOPA

CITY OF SCOTTSDALE

PROJECT ID: L600

STRUCTURE TYPE: BUILDING

STRUCTURE HEIGHT: 30'-6"

CARRIER:



4830 PAN AMERICAN FREEWAY NE, SUITE A  
ALBUQUERQUE, NM 87109

PLANS PREPARED BY:



SITE INFORMATION:

T-MOBILE  
SITE NUMBER:

PH10925D

SITE NAME:

McDOWELL MTN HOA

16116 N. MCDOWELL MTN RANCH RD  
SCOTTSDALE, AZ 85255  
MARICOPA COUNTY

SITE INFORMATION	
SITE NAME:	McDOWELL MTN HOA
SITE ADDRESS:	16116 N. McDOWELL MTN RANCH RD SCOTTSDALE, AZ 85255
COUNTY:	MARICOPA
APN #:	217-17-002G
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	33° 37' 57.3" N
LONGITUDE:	111° 50' 54.4" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	1713.6'
CURRENT ZONING:	P.CO.C
JURISDICTION:	CITY OF SCOTTSDALE
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	VB
LEASE AREA SQ FTG:	300 SQ. FT.
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	MCDOWELL MTN RANCH COMM. ASSOC. 2400 E ARIZONA BILTMORE CIR, STE 1300 PHOENIX, AZ 85016
CARRIER/APPLICANT:	T-MOBILE 1330 W. SOUTHERN AVE, STE A-102 TEMPE, AZ 85282

ISSUED FOR: FINAL CONSTRUCTION	
DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T1	TITLE SHEET
C0	GENERAL NOTES
C1	OVERALL SITE PLAN & EXISTING CONDITIONS
C2	EXISTING & NEW ENLARGED SITE PLANS
C3	EXISTING & NEW ELEVATIONS
C4	ANTENNA PLANS & SCHEMATIC
C5	DETAILS
G1	GROUNDING NOTES, PLAN & SCHEMATIC
G2	GROUNDING DETAILS
S-1	FAUX CHIMNEY EXPANSION PLANS
S-2	DETAILS

PROJECT TEAM
<p><u>APPLICANT/CLIENT</u> T-MOBILE 1330 W. SOUTHERN AVE, STE A-102 TEMPE, AZ 85282</p> <p><u>CONSULTING A&amp;E FIRM:</u> RELIANT LAND SERVICES 8170 N. 86TH PLACE, SUITE 103 SCOTTSDALE, AZ 85258 CONTACT: FRANK CRUZ - PROJECT MANAGER OFFICE: (602) 540-0001</p> <p><u>ENGINEER OF RECORD:</u> CHRIS LEE, P.E. RELIANT LAND SERVICES 1745 W. ORANGEWOOD AVE., SUITE 103 ORANGE, CA 92868 OFFICE: (714) 685-0123</p>

LOCATION MAP
<p>NO SCALE</p> <p>DRIVING DIRECTIONS FROM T-MOBILE LOCAL OFFICE AT 1330 W. SOUTHERN AVE, STE A-102, TEMPE, AZ 85282: TURN RIGHT (WEST) ONTO W SOUTHERN AVE. TURN LEFT ONTO S PRIEST DR. TURN LEFT TO MERGE ONTO US-60 E TOWARD MESA. CONTINUE ON US-60 E. TAKE EXIT 176B TO MERGE ONTO AZ-101 LOOP N. CONTINUE ON AZ-101 N UNTIL EXIT 39 FOR RAINTREE DR. TURN RIGHT ONTO E RAINTREE DR. TURN LEFT ONTO N THOMPSON PEAK PKWY. TURN RIGHT ONTO E MCDOWELL MOUNTAIN RANCH RD. TURN LEFT ONTO E PARADISE LN. MAKE THE 1ST LEFT TURN. SITE WILL BE ON THE RIGHT.</p>

ISSUED FOR:			
REV	DATE	DESCRIPTION	BY:
---	04/08/19	DESIGN REVIEW	JMC
A	04/08/19	PRELIMINARY CONSTRUCTION	JMC
B	04/30/19	FINAL CONSTRUCTION	JMC

PROJECT DESCRIPTION
<p>THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.</p> <p><u>PROJECT SCOPE OF WORK:</u></p> <ul style="list-style-type: none"> <li>EXTEND WIDTH AND HEIGHT OF (E) FAUX CHIMNEY</li> <li>REMOVE (3) ANTENNAS</li> <li>REMOVE (9) TOWER MOUNTED AMPLIFIERS</li> <li>REMOVE (6) DIPLEXERS</li> <li>INSTALL (3) ANTENNAS</li> <li>INSTALL (1) COMBINED OVER VOLTAGE PROTECTION UNITS (COVPs)</li> <li>INSTALL (6) REMOTE RADIO UNITS (RRUs)</li> <li>INSTALL (1) HYBRID CABLES</li> </ul>

REFERENCE DOCUMENTS
<p>DESIGN PACKAGE BASED ON THE RFDS, REVISION: (2.1) DATED 01/02/2019</p> <p>STRUCTURAL ANALYSIS: (BY RELIANT LAND SERVICES) DATED 05/01/2019</p>

APPLICABLE CODES								
<p>ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:</p> <table border="0"> <tr> <td>CODE TYPE</td> <td>CODE</td> </tr> <tr> <td>BUILDING</td> <td>2015 IBC</td> </tr> <tr> <td>MECHANICAL</td> <td>2015 IMC</td> </tr> <tr> <td>ELECTRICAL</td> <td>2014 NEC</td> </tr> </table> <p>ALL APPLICABLE LOCAL AMENDMENTS</p>	CODE TYPE	CODE	BUILDING	2015 IBC	MECHANICAL	2015 IMC	ELECTRICAL	2014 NEC
CODE TYPE	CODE							
BUILDING	2015 IBC							
MECHANICAL	2015 IMC							
ELECTRICAL	2014 NEC							



APPROVALS		
APPROVAL	SIGNATURE	DATE
T-MOBILE MANAGER	_____	_____
CONSULTING PROJ. MGR	_____	_____
PROPERTY OWNER	_____	_____
REAL ESTATE	_____	_____

LICENSURE INFO:

DATE STAMPED: 05/01/2019

SHEET TITLE:  
**TITLE SHEET**

SHEET NUMBER:  
**T1**





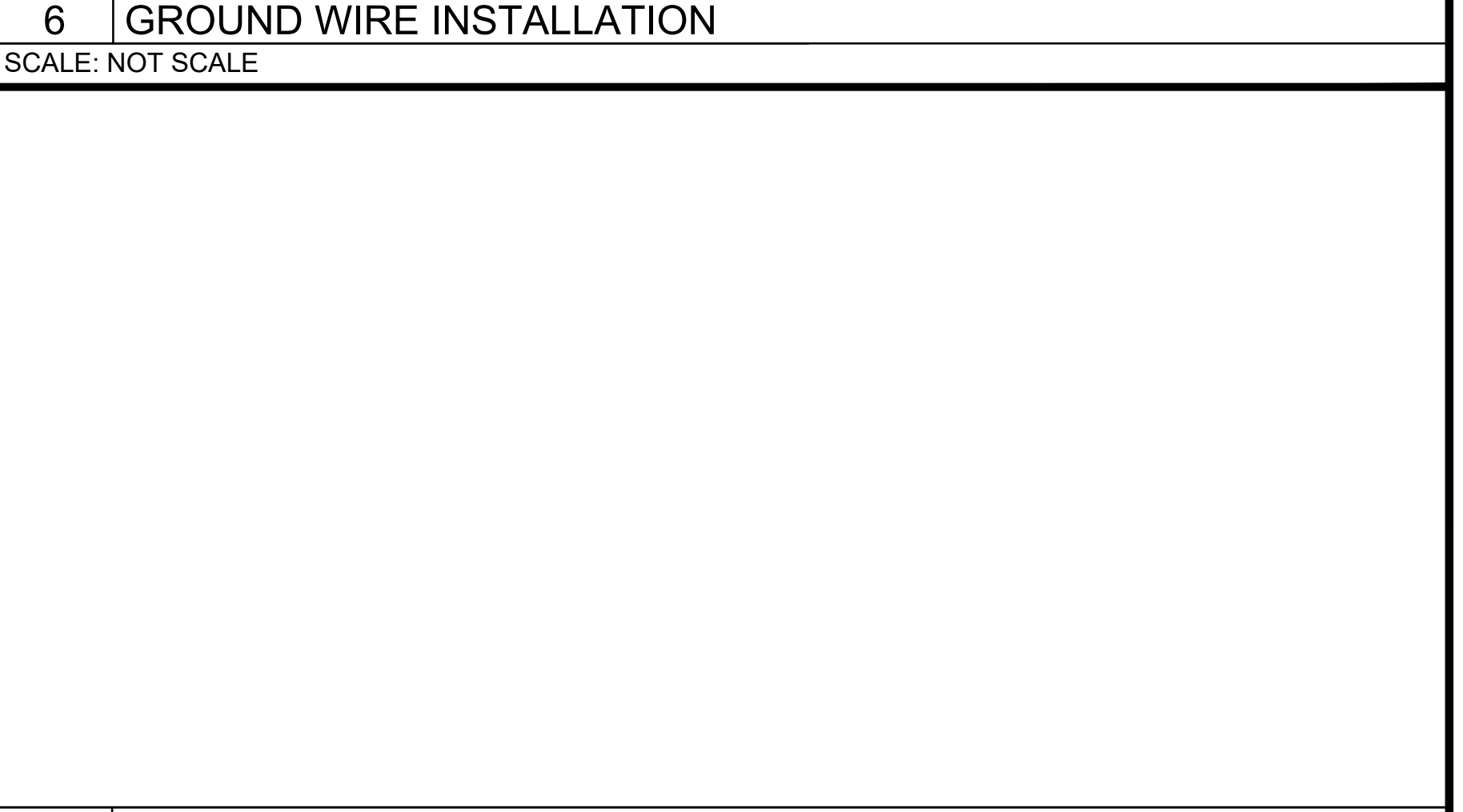
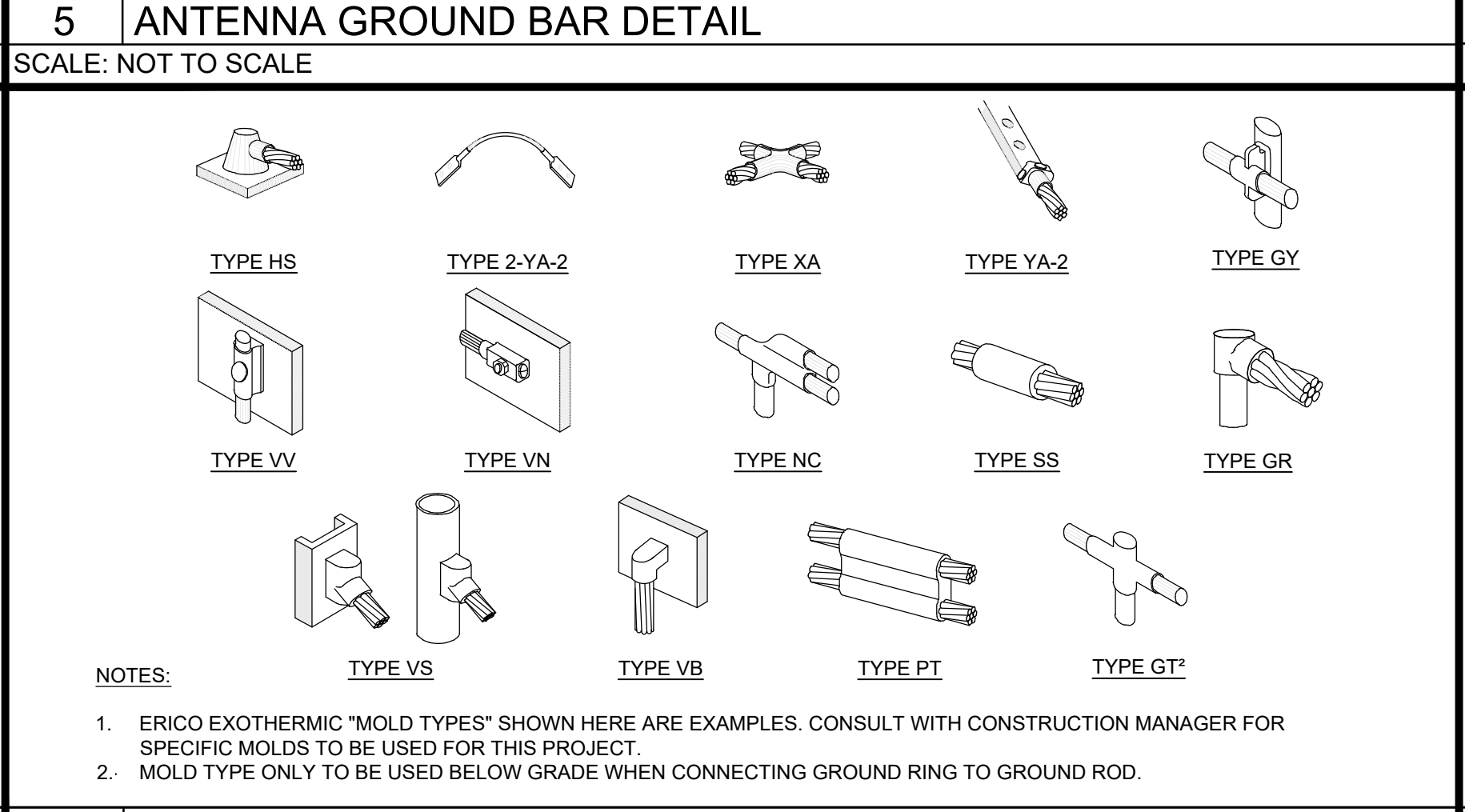
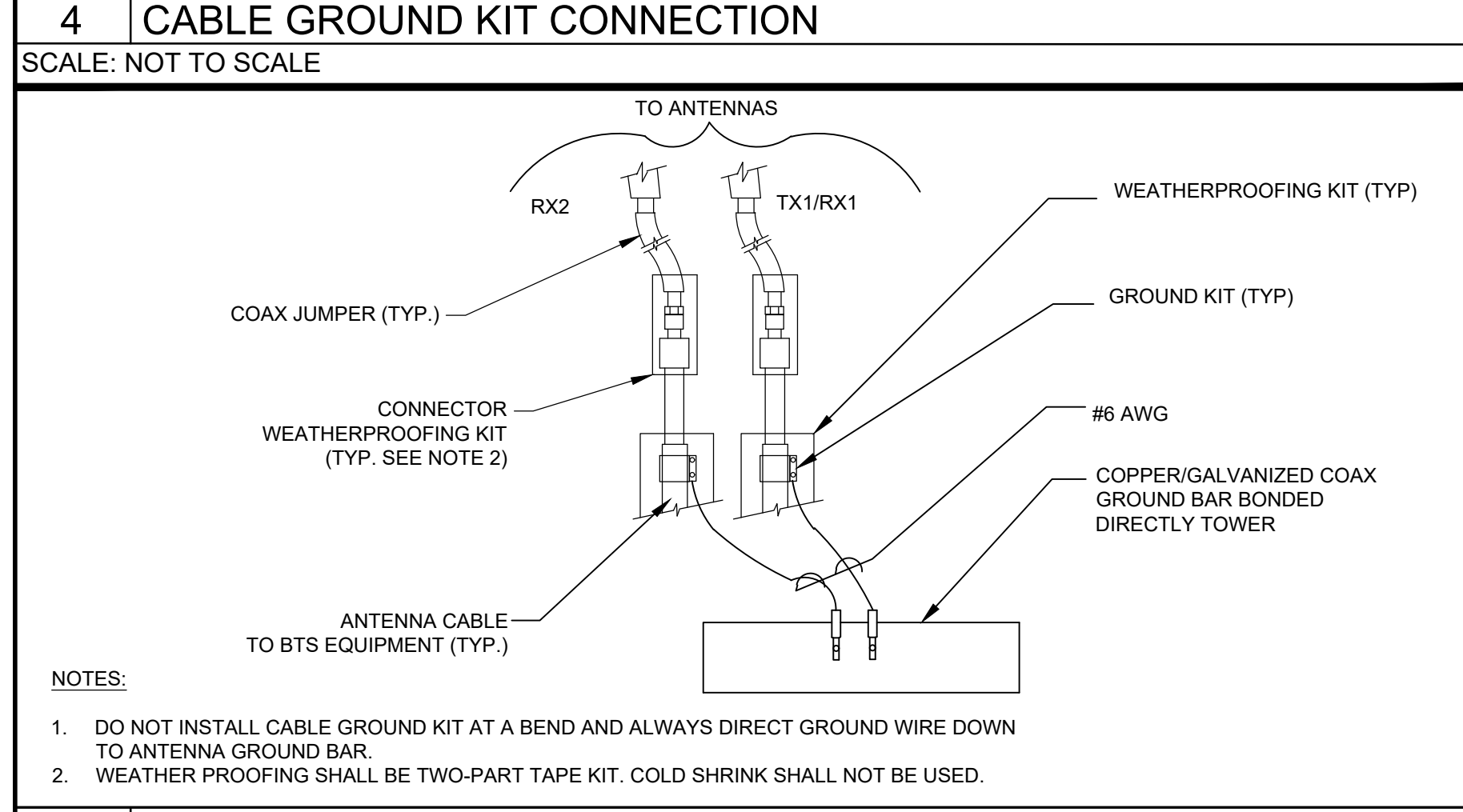
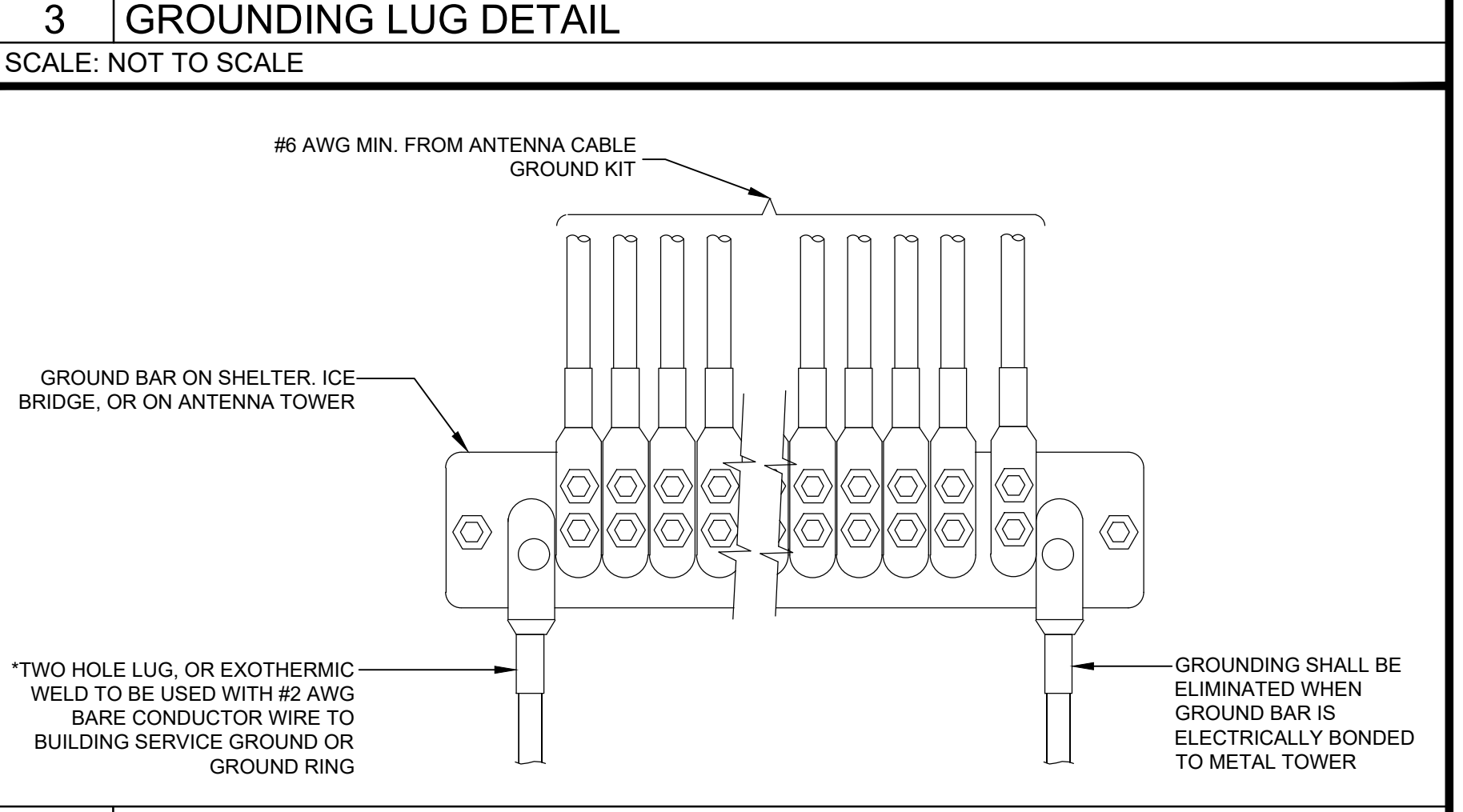
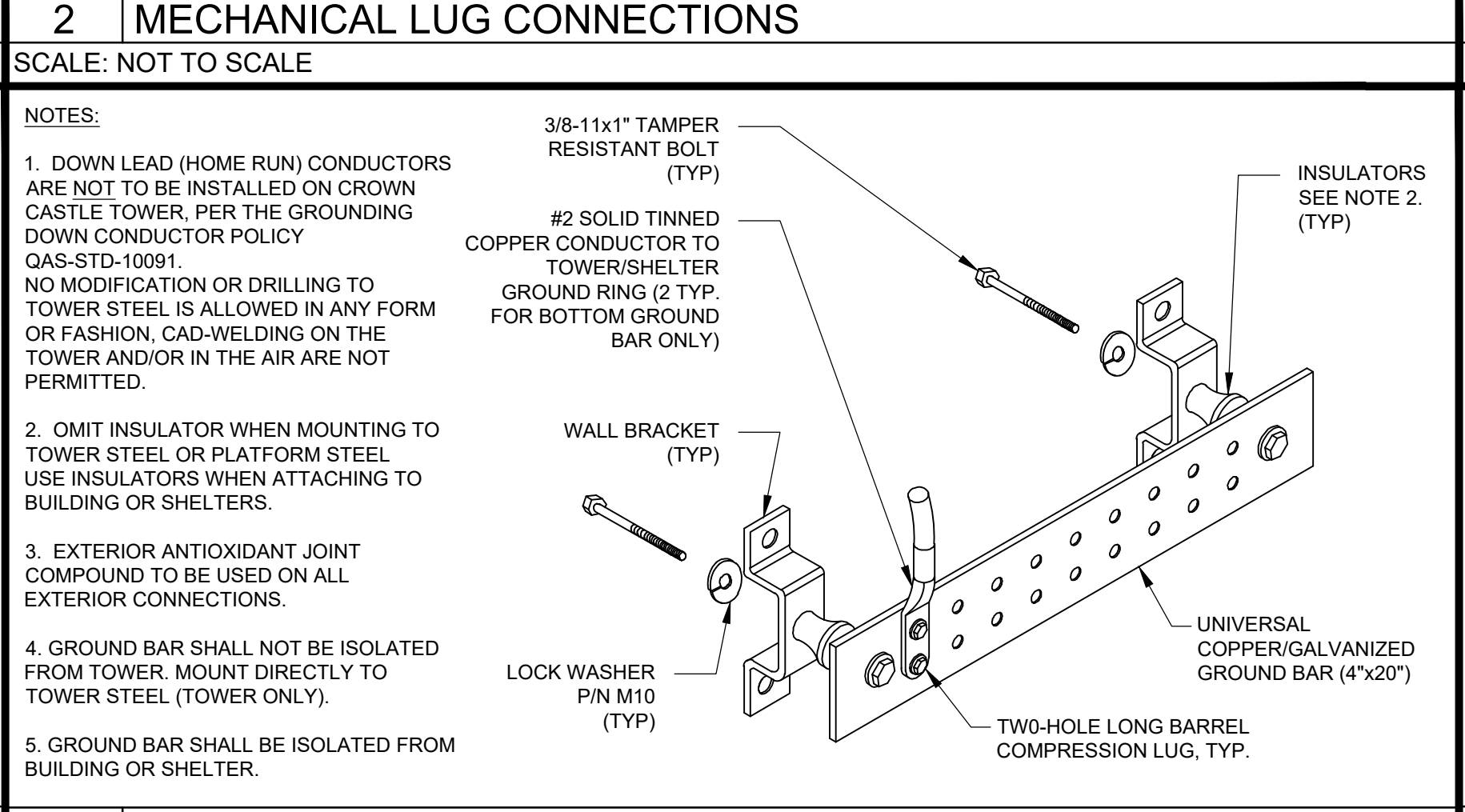
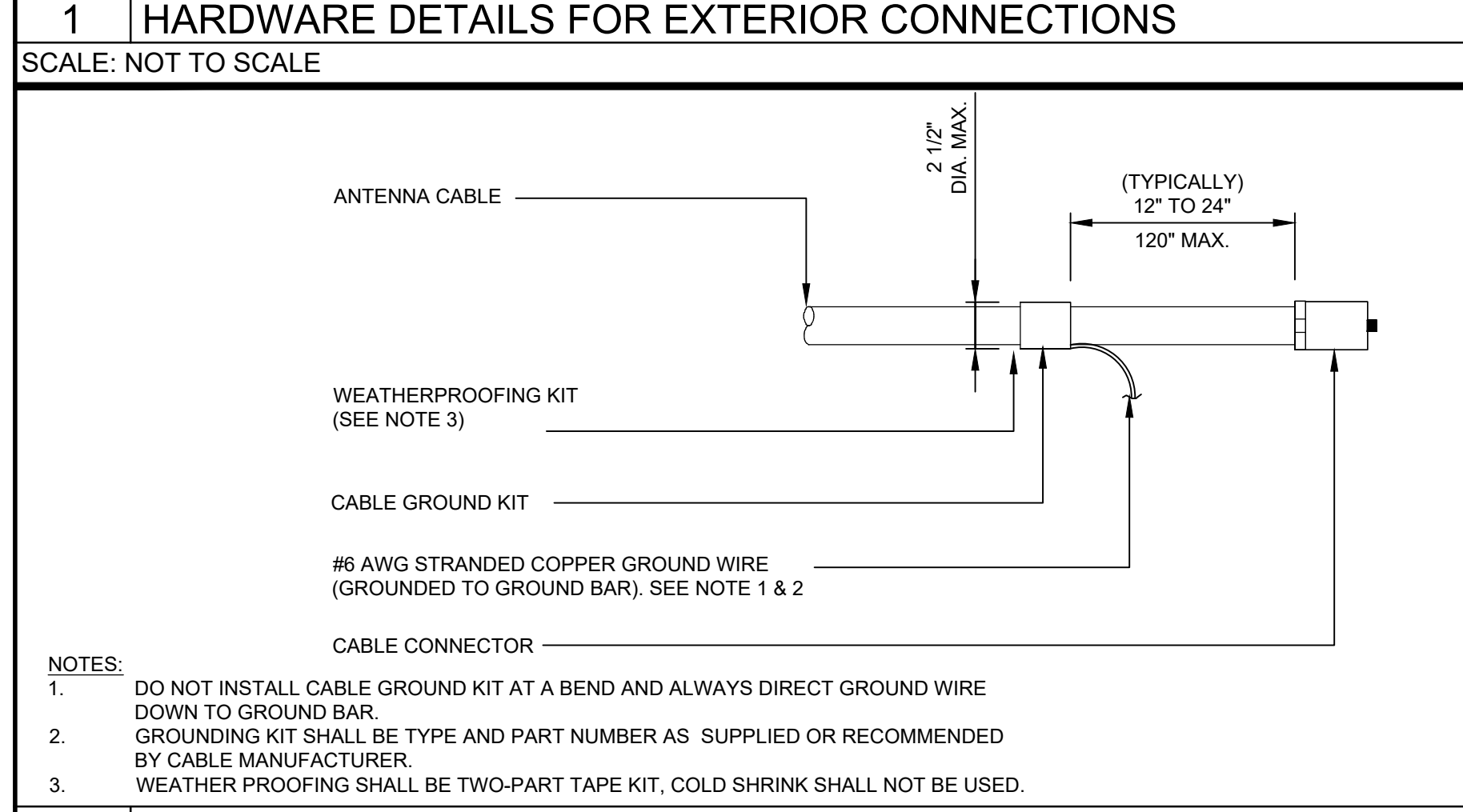
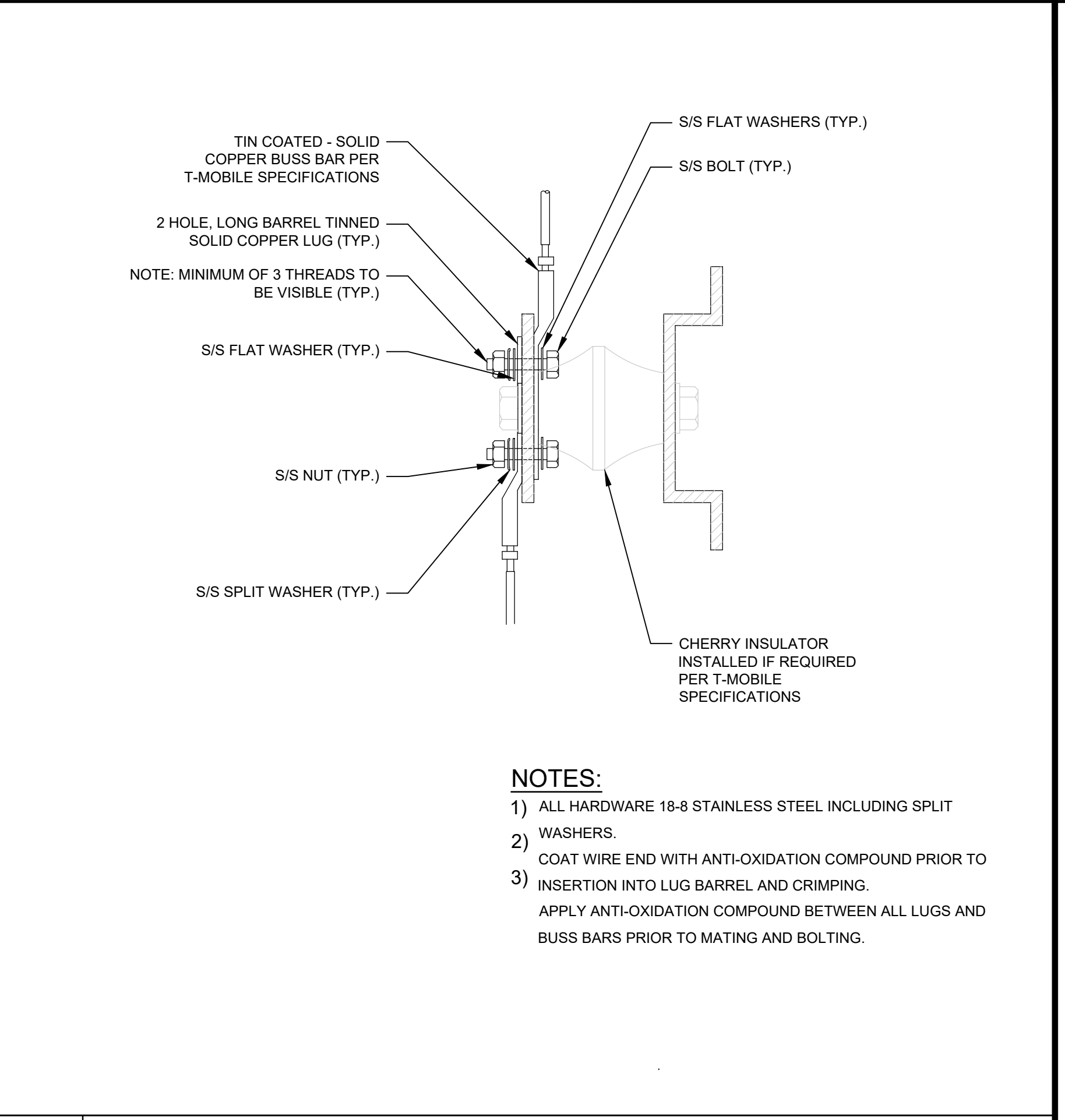
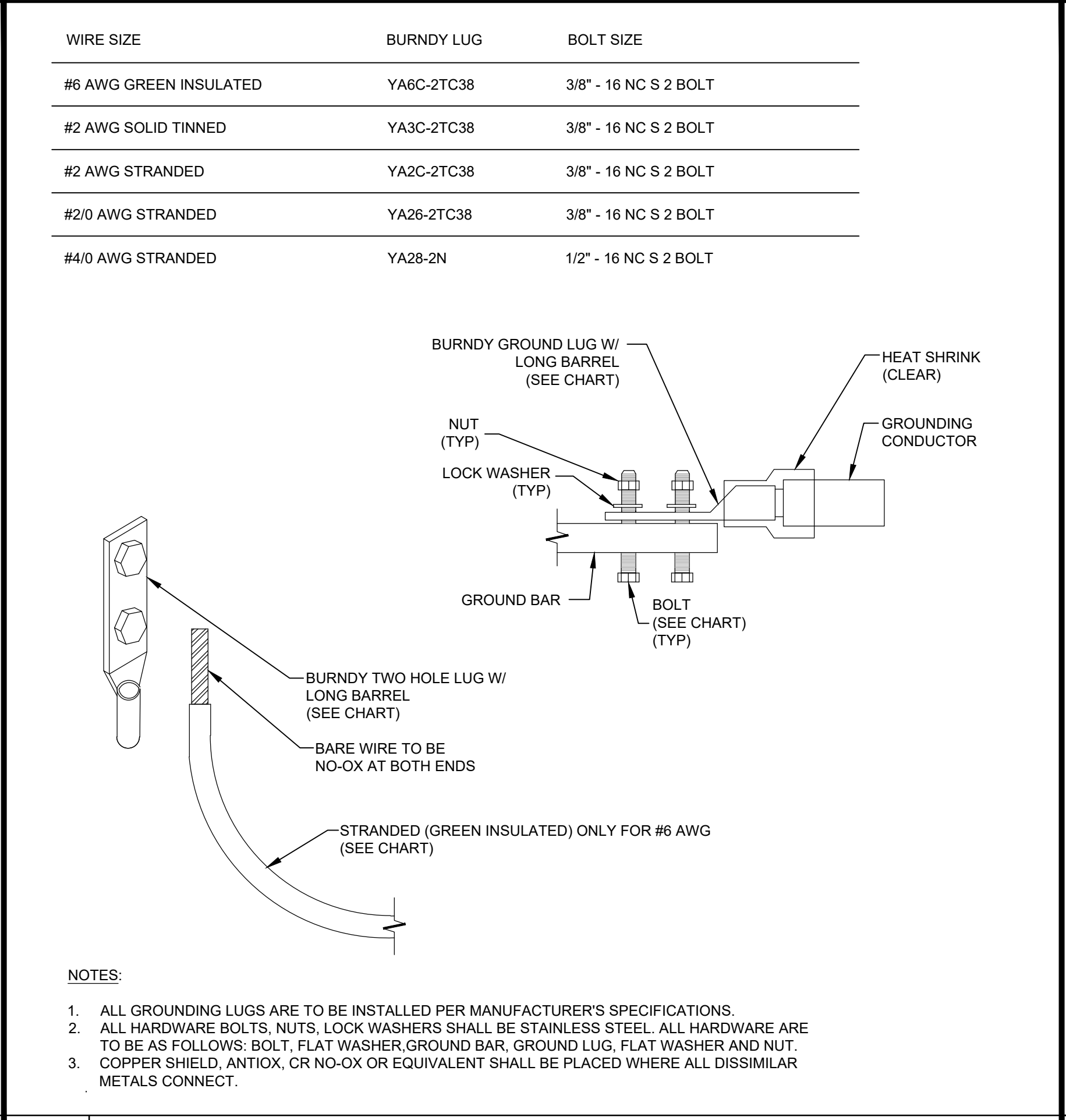
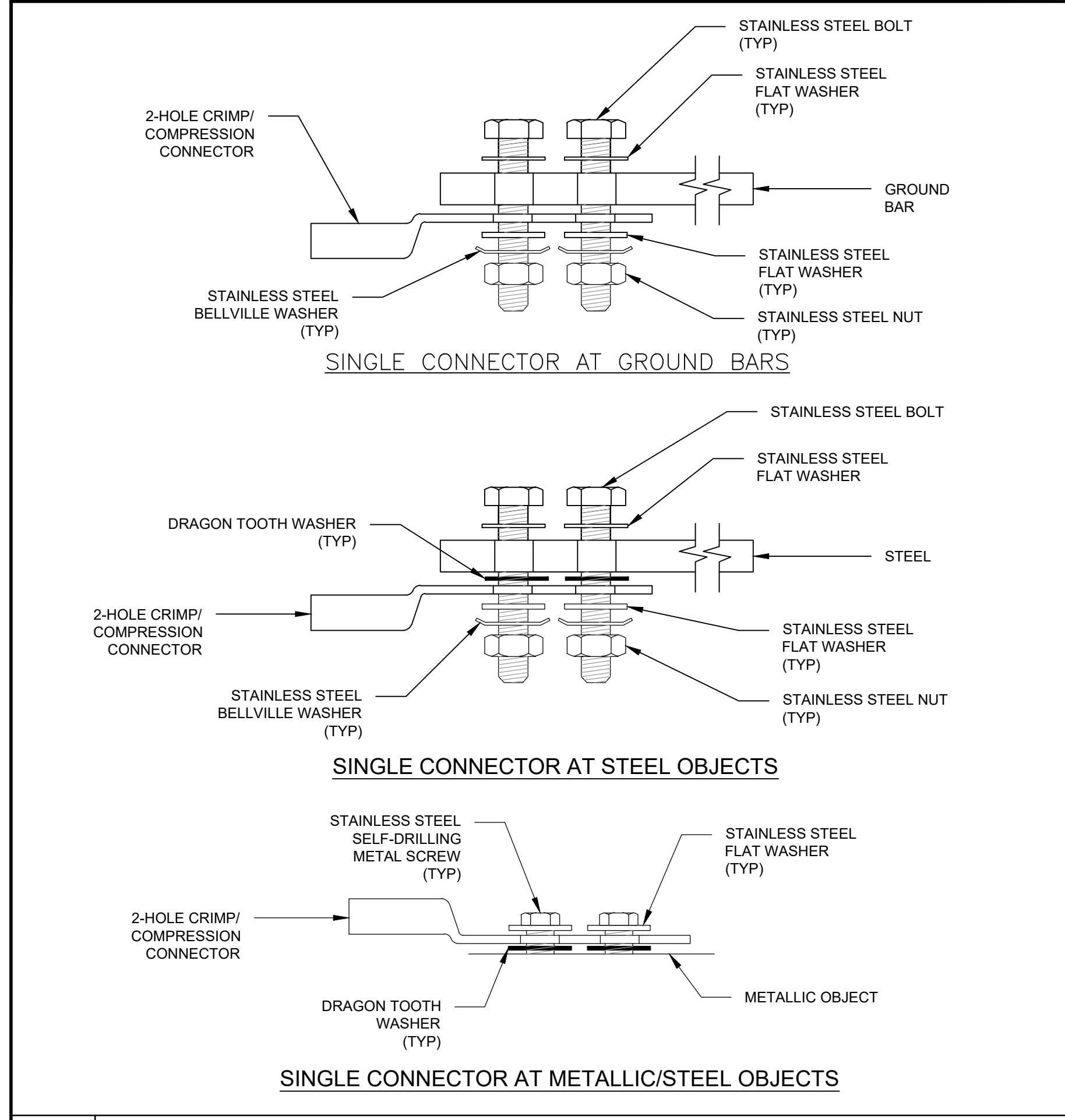












**CARRIER:**  
**T-Mobile**  
4830 PAN AMERICAN FREEWAY NE, SUITE A  
ALBUQUERQUE, NM 87109

**PLANS PREPARED BY:**  
**RLS**  
RELIANT LAND SERVICES  
8170 N. 86TH PLACE, STE 103  
SCOTTSDALE, AZ 85258

**SITE INFORMATION:**  
T-MOBILE  
SITE NUMBER:  
PH10925D  
SITE NAME:  
McDOWELL MTN HOA  
16116 N. MCDOWELL MTN RANCH RD  
SCOTTSDALE, AZ 85255  
MARICOPA COUNTY

**ISSUED FOR:**

REV	DATE	DESCRIPTION	BY:
---	04/08/19	DESIGN REVIEW	JMC
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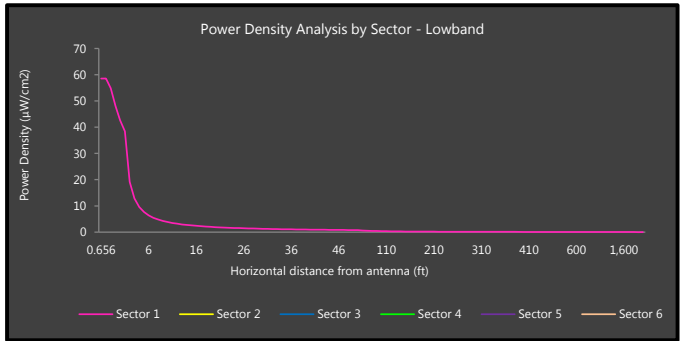
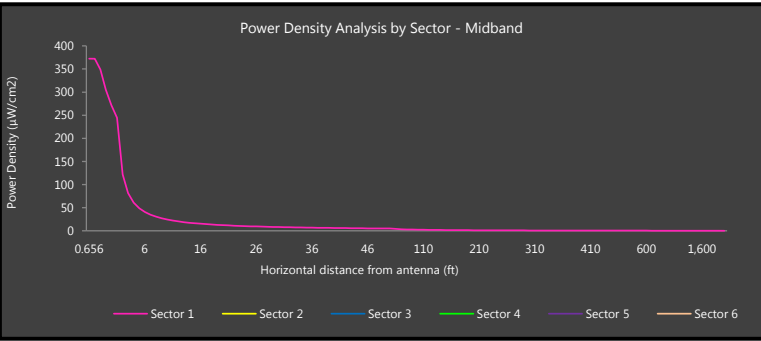
**LICENSURE INFO:**

DATE STAMPED: 05/01/2019

**SHEET TITLE:**  
**GROUNDING DETAILS**

**SHEET NUMBER:**  
**G2**

REGION :	West	MARKET :	Phoenix	SITE ID :	PH10925D	SITE TYPE :	Non-pole	COLOCATED :	No
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Distance (ft)	Midband Frequencies - Calculated Power Density (µW/cm <sup>2</sup> )						Lowband Frequencies - Calculated Power Density (µW/cm <sup>2</sup> )						Midband Limit	Lowband Limit
	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6		
0.656	372.3587	372.3587	372.3587				58.5386	58.5386	58.5386				1000	400
0.6561	372.3020	372.3020	372.3020				58.5297	58.5297	58.5297				1000	400
0.7	348.9533	348.9533	348.9533				54.8590	54.8590	54.8590				1000	400
0.8	305.3342	305.3342	305.3342				48.0017	48.0017	48.0017				1000	400
0.9	271.4081	271.4081	271.4081				42.6681	42.6681	42.6681				1000	400
1	244.2673	244.2673	244.2673				38.4013	38.4013	38.4013				1000	400
2	122.1337	122.1337	122.1337				19.2007	19.2007	19.2007				1000	400
3	81.4224	81.4224	81.4224				12.8004	12.8004	12.8004				1000	400
4	61.0668	61.0668	61.0668				9.6003	9.6003	9.6003				1000	400
5	48.8535	48.8535	48.8535				7.6803	7.6803	7.6803				1000	400
6	40.7112	40.7112	40.7112				6.4002	6.4002	6.4002				1000	400
7	34.8953	34.8953	34.8953				5.4859	5.4859	5.4859				1000	400
8	30.5334	30.5334	30.5334				4.8002	4.8002	4.8002				1000	400
9	27.1408	27.1408	27.1408				4.2668	4.2668	4.2668				1000	400
10	24.4267	24.4267	24.4267				3.8401	3.8401	3.8401				1000	400
11	22.2061	22.2061	22.2061				3.4910	3.4910	3.4910				1000	400
12	20.3556	20.3556	20.3556				3.2001	3.2001	3.2001				1000	400
13	18.7898	18.7898	18.7898				2.9539	2.9539	2.9539				1000	400
14	17.4477	17.4477	17.4477				2.7430	2.7430	2.7430				1000	400
15	16.2845	16.2845	16.2845				2.5601	2.5601	2.5601				1000	400
16	15.2667	15.2667	15.2667				2.4001	2.4001	2.4001				1000	400
17	14.3687	14.3687	14.3687				2.2589	2.2589	2.2589				1000	400
18	13.5704	13.5704	13.5704				2.1334	2.1334	2.1334				1000	400
19	12.8562	12.8562	12.8562				2.0211	2.0211	2.0211				1000	400
20	12.2134	12.2134	12.2134				1.9201	1.9201	1.9201				1000	400
21	11.6318	11.6318	11.6318				1.8286	1.8286	1.8286				1000	400
22	11.1031	11.1031	11.1031				1.7455	1.7455	1.7455				1000	400
23	10.6203	10.6203	10.6203				1.6696	1.6696	1.6696				1000	400
24	10.1778	10.1778	10.1778				1.6001	1.6001	1.6001				1000	400
25	9.7707	9.7707	9.7707				1.5361	1.5361	1.5361				1000	400
26	9.3949	9.3949	9.3949				1.4770	1.4770	1.4770				1000	400
27	9.0469	9.0469	9.0469				1.4223	1.4223	1.4223				1000	400
28	8.7238	8.7238	8.7238				1.3715	1.3715	1.3715				1000	400
29	8.4230	8.4230	8.4230				1.3242	1.3242	1.3242				1000	400
30	8.1422	8.1422	8.1422				1.2800	1.2800	1.2800				1000	400
31	7.8796	7.8796	7.8796				1.2388	1.2388	1.2388				1000	400
32	7.6334	7.6334	7.6334				1.2000	1.2000	1.2000				1000	400
33	7.4020	7.4020	7.4020				1.1637	1.1637	1.1637				1000	400
34	7.1843	7.1843	7.1843				1.1295	1.1295	1.1295				1000	400
35	6.9791	6.9791	6.9791				1.0972	1.0972	1.0972				1000	400
36	6.7852	6.7852	6.7852				1.0667	1.0667	1.0667				1000	400
37	6.6018	6.6018	6.6018				1.0379	1.0379	1.0379				1000	400
38	6.4281	6.4281	6.4281				1.0106	1.0106	1.0106				1000	400
39	6.2633	6.2633	6.2633				0.9846	0.9846	0.9846				1000	400
40	6.1067	6.1067	6.1067				0.9600	0.9600	0.9600				1000	400
41	5.9577	5.9577	5.9577				0.9366	0.9366	0.9366				1000	400
42	5.8159	5.8159	5.8159				0.9143	0.9143	0.9143				1000	400
43	5.6806	5.6806	5.6806				0.8931	0.8931	0.8931				1000	400
44	5.5515	5.5515	5.5515				0.8728	0.8728	0.8728				1000	400
45	5.4282	5.4282	5.4282				0.8534	0.8534	0.8534				1000	400
46	5.3102	5.3102	5.3102				0.8348	0.8348	0.8348				1000	400
47	5.1972	5.1972	5.1972				0.8170	0.8170	0.8170				1000	400
48	5.0889	5.0889	5.0889				0.8000	0.8000	0.8000				1000	400
49	4.9850	4.9850	4.9850				0.7837	0.7837	0.7837				1000	400
50	4.8853	4.8853	4.8853				0.7680	0.7680	0.7680				1000	400
60	4.0711	4.0711	4.0711				0.6400	0.6400	0.6400				1000	400
70	3.4895	3.4895	3.4895				0.5486	0.5486	0.5486				1000	400
80	3.0533	3.0533	3.0533				0.4800	0.4800	0.4800				1000	400
90	2.7141	2.7141	2.7141				0.4267	0.4267	0.4267				1000	400
100	2.4427	2.4427	2.4427				0.3840	0.3840	0.3840				1000	400
110	2.2206	2.2206	2.2206				0.3491	0.3491	0.3491				1000	400
120	2.0356	2.0356	2.0356				0.3200	0.3200	0.3200				1000	400
130	1.8790	1.8790	1.8790				0.2954	0.2954	0.2954				1000	400
140	1.7448	1.7448	1.7448				0.2743	0.2743	0.2743				1000	400
150	1.6284	1.6284	1.6284				0.2560	0.2560	0.2560				1000	400
160	1.5267	1.5267	1.5267				0.2400	0.2400	0.2400				1000	400
170	1.4369	1.4369	1.4369				0.2259	0.2259	0.2259				1000	400
180	1.3570	1.3570	1.3570				0.2133	0.2133	0.2133				1000	400
190	1.2856	1.2856	1.2856				0.2021	0.2021	0.2021				1000	400
200	1.2213	1.2213	1.2213				0.1920	0.1920	0.1920				1000	400
210	1.1632	1.1632	1.1632				0.1829	0.1829	0.1829				1000	400

Distance (ft)	Midband Frequencies - Calculated Power Density ( $\mu\text{W}/\text{cm}^2$ )						Lowband Frequencies - Calculated Power Density ( $\mu\text{W}/\text{cm}^2$ )						Midband Limit	Lowband Limit
	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6	Sector 1	Sector 2	Sector 3	Sector 4	Sector 5	Sector 6		
220	1.1103	1.1103	1.1103				0.1746	0.1746	0.1746				1000	400
230	1.0620	1.0620	1.0620				0.1670	0.1670	0.1670				1000	400
240	1.0178	1.0178	1.0178				0.1600	0.1600	0.1600				1000	400
250	0.9771	0.9771	0.9771				0.1536	0.1536	0.1536				1000	400
260	0.9395	0.9395	0.9395				0.1477	0.1477	0.1477				1000	400
270	0.9047	0.9047	0.9047				0.1422	0.1422	0.1422				1000	400
280	0.8724	0.8724	0.8724				0.1371	0.1371	0.1371				1000	400
290	0.8423	0.8423	0.8423				0.1324	0.1324	0.1324				1000	400
300	0.8142	0.8142	0.8142				0.1280	0.1280	0.1280				1000	400
310	0.7880	0.7880	0.7880				0.1239	0.1239	0.1239				1000	400
320	0.7633	0.7633	0.7633				0.1200	0.1200	0.1200				1000	400
330	0.7402	0.7402	0.7402				0.1164	0.1164	0.1164				1000	400
340	0.7184	0.7184	0.7184				0.1129	0.1129	0.1129				1000	400
350	0.6979	0.6979	0.6979				0.1097	0.1097	0.1097				1000	400
360	0.6785	0.6785	0.6785				0.1067	0.1067	0.1067				1000	400
370	0.6602	0.6602	0.6602				0.1038	0.1038	0.1038				1000	400
380	0.6428	0.6428	0.6428				0.1011	0.1011	0.1011				1000	400
390	0.6263	0.6263	0.6263				0.0985	0.0985	0.0985				1000	400
400	0.6107	0.6107	0.6107				0.0960	0.0960	0.0960				1000	400
410	0.5958	0.5958	0.5958				0.0937	0.0937	0.0937				1000	400
420	0.5816	0.5816	0.5816				0.0914	0.0914	0.0914				1000	400
430	0.5681	0.5681	0.5681				0.0893	0.0893	0.0893				1000	400
440	0.5552	0.5552	0.5552				0.0873	0.0873	0.0873				1000	400
450	0.5428	0.5428	0.5428				0.0853	0.0853	0.0853				1000	400
460	0.5310	0.5310	0.5310				0.0835	0.0835	0.0835				1000	400
470	0.5197	0.5197	0.5197				0.0817	0.0817	0.0817				1000	400
480	0.5089	0.5089	0.5089				0.0800	0.0800	0.0800				1000	400
490	0.4985	0.4985	0.4985				0.0784	0.0784	0.0784				1000	400
500	0.4885	0.4885	0.4885				0.0768	0.0768	0.0768				1000	400
600	0.4071	0.4071	0.4071				0.0640	0.0640	0.0640				1000	400
700	0.3490	0.3490	0.3490				0.0549	0.0549	0.0549				1000	400
800	0.3053	0.3053	0.3053				0.0480	0.0480	0.0480				1000	400
900	0.2714	0.2714	0.2714				0.0427	0.0427	0.0427				1000	400
1,000	0.2443	0.2443	0.2443				0.0384	0.0384	0.0384				1000	400
1,100	0.2221	0.2221	0.2221				0.0349	0.0349	0.0349				1000	400
1,200	0.2036	0.2036	0.2036				0.0320	0.0320	0.0320				1000	400
1,300	0.1879	0.1879	0.1879				0.0295	0.0295	0.0295				1000	400
1,400	0.1745	0.1745	0.1745				0.0274	0.0274	0.0274				1000	400
1,500	0.1628	0.1628	0.1628				0.0256	0.0256	0.0256				1000	400
1,600	0.1527	0.1527	0.1527				0.0240	0.0240	0.0240				1000	400
1,700	0.1437	0.1437	0.1437				0.0226	0.0226	0.0226				1000	400
1,800	0.1357	0.1357	0.1357				0.0213	0.0213	0.0213				1000	400
1,900	0.1286	0.1286	0.1286				0.0202	0.0202	0.0202				1000	400
2,000	0.1221	0.1221	0.1221				0.0192	0.0192	0.0192				1000	400

MPE ANALYSIS RESULTS		Midband Frequencies						Lowband Frequencies				Max. power density dist. (ft)		Pass or Fail
SECTOR	TECH	RAD CENTER (ft)	TOTAL PCS EIRP (W)	TOTAL AWS EIRP (W)	CATEGORICAL EXCLUSION RESULT	MAX POWER DENSITY ( $\mu\text{W}/\text{cm}^2$ )	NEXT STEPS	TOTAL 600 MHz EIRP (W)	TOTAL 700 MHz EIRP (W)	MAX POWER DENSITY ( $\mu\text{W}/\text{cm}^2$ )	NEXT STEPS	Midband	Lowband	
1	GSM,U19,L21,L19,L6,L7	26	6,754	6,748	Not Categorically Excluded	372.3587	No further action needed	577	590	58.5386	No further action needed	0.656	0.656	PASS
2	GSM,U19,L21,L19,L6,L7	26	6,754	6,748	Not Categorically Excluded	372.3587	No further action needed	577	590	58.5386	No further action needed	0.656	0.656	PASS
3	GSM,U19,L21,L19,L6,L7	26	6,754	6,748	Not Categorically Excluded	372.3587	No further action needed	577	590	58.5386	No further action needed	0.656	0.656	PASS

MPE RESULT : The site PASSED on the power density modelling.

NEXT STEP : Generate and save the MPE site report (PDF format) and no further action needed.

SIGN REQUIREMENTS (Note: The sign requirements below are from the result of the MPE analysis. Ability of an individual to come near the antenna can result in requiring signs also)

<b>BLUE NOTICE AND YELLOW GUIDELINE</b> Required on sector 1, 2, 3	<b>YELLOW CAUTION</b> None Required	<b>RED WARNING</b> None Required
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# Affidavit of Authorization to Act for Property Owner



1. This affidavit concerns the following parcel of land:

- a. Street Address: 16416 N. McDowell Mtn. Ranch Rd.
- b. County Tax Assessor's Parcel Number: 217-17-002G
- c. General Location: E. Paradise &
- d. Parcel Size: 197,440 sq. ft. E. McDowell Mtn. Ranch
- e. Legal Description: \_\_\_\_\_

(If the land is a platted lot, then write the lot number, subdivision name, and the plat's recording number and date. Otherwise, write "see attached legal description" and attach a legal description.)

- 2. I am the owner of the land or I am the duly and lawfully appointed agent of the owner of the land and have authority from the owner to sign this affidavit on the owner's behalf. If the land has more than one owner, then I am the agent for all of the owners, and the word "owner" in this affidavit refers to all of them.
- 3. I have authority from the owner to act for the owner before the City of Scottsdale with regard to any and all reviews, zoning map amendments, general plan amendments, development variances, abandonments, plats, lot splits, lot ties, use permits, building permits and other land use regulatory or related matters of every description involving the land, or involving adjacent or nearby lands in which the owner has (or may acquire) an interest, and all applications, dedications, payments, assurances, decisions, agreements, legal documents, commitments, waivers and other matters relating to any of them.
- 4. The City of Scottsdale is authorized to rely on my authority as described in this affidavit until three work days after the day the owner delivers to the Director of the Scottsdale Planning & Development Services Department a written statement revoking my authority.
- 5. I will immediately deliver to the Director of the City of Scottsdale Planning & Development Services Department written notice of any change in the ownership of the land or in my authority to act for the owner.
- 6. If more than one person signs this affidavit, each of them, acting alone, shall have the authority described in this affidavit, and each of them warrant to the City of Scottsdale the authority of the others.
- 7. Under penalty of perjury, I warrant and represent to the City of Scottsdale that this affidavit is true and complete. I understand that any error or incomplete information in this affidavit or any applications may invalidate approvals or other actions taken by the City of Scottsdale, may otherwise delay or prevent development of the land, and may expose me and the owner to other liability. I understand that people who have not signed this form may be prohibited from speaking for the owner at public meetings or in other city processes.

Name (printed)

Moriah Solomon  
on behalf of T-Mobile

Date

05/07, 2019  
\_\_\_\_\_, 20\_\_\_\_  
\_\_\_\_\_, 20\_\_\_\_  
\_\_\_\_\_, 20\_\_\_\_

Signature

Moriah Solomon  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Planning and Development Services

7447 E Indian School Road, Suite 105, Scottsdale, AZ 85251 • www.ScottsdaleAZ.gov



# PH10925D - McDowell Mtn HOA

16116 N. MCDOWELL MTN RANCH ROAD  
SCOTTSDALE, AZ 85255  
MARICOPA COUNTY

Prepared By:



8170 N 86th Place, Suite 103  
Scottsdale, Arizona 85258  
(602) 453-0050

**AERIAL MAP**



**PROPOSED**

**VIEW FROM SOUTH OF (E) BUILDING (CHIMNEY)**



**EXISTING**



Proposed 2'-0" Chimney height extension and 2'-6" width expansion

Accuracy of photo simulation based upon information provided by project applicant. The proposed installation is an artistic representation, and not intended to be an exact reproduction. The final installation will have cables, cable ports, and various attachments, such as antennas, nuts, and bolts. Every effort will be made to disguise these components and they will not be readily apparent to the casual observer or passerby. However, upon close scrutiny, the true nature of the installation will be apparent.



1330 W. Southern, Tempe, AZ 85282

April 1, 2019

McDowell Mountain Ranch Community Association  
16116 N. McDowell Mountain Ranch Road  
Scottsdale, AZ 85255

Re: T-Mobile Site #: PH10925D McDowell Mountain  
Site Address: 16116 N. McDowell Mountain Ranch Road. Scottsdale, AZ 85255  
**Acknowledgment and Consent Letter for Modification of Antenna Facilities.**

Dear Sir or Madam:

T-Mobile West Corporation, a Delaware corporation ("T-Mobile"), and McDowell Mountain Ranch Community Association, entered into a site Lease with option dated September 7, 2005 for a site located at 16116 N. McDowell Mountain Ranch Road, Scottsdale, AZ 85255, upon which T-Mobile operates wireless antenna facilities.

Pursuant to the Lease, T-Mobile has the right to alter, replace, expand, enhance, modify or upgrade the antenna facilities at any time during the term of the Lease with landlord's approval, which cannot be unreasonably withheld, conditioned or delayed.

T-Mobile needs to modify the antenna facilities by installing the equipment described in attached file. All of the equipment will be installed within the existing premises. According to what was agreed upon, T-Mobile will increase the monthly rent amount by \$450. The total new monthly rent will be \$1,640.25.

To confirm your approval of the proposed modifications to the antenna facilities, please sign and date the acceptance and acknowledgment below, keep one copy for your records and return via email the other to copy to us. Prior to the start of any construction activities T-Mobile will contact you to coordinate the construction schedule. If you have any questions, please contact me below. We thank you for your courtesy and cooperation.

Sincerely,

*Frank Cruz*

Frank Cruz  
Project Manager, Reliant Land Services, Inc.  
Authorized Representative for T-Mobile.

**Acknowledged, Accepted and Agreed:**

**Landlord:** McDowell Mountain Ranch Community Association

By: 

Name: CHRIS RICHARDSON

Title: GENERAL MANAGER

Date: 4/2/19



# PH10925D - McDowell Mtn HOA

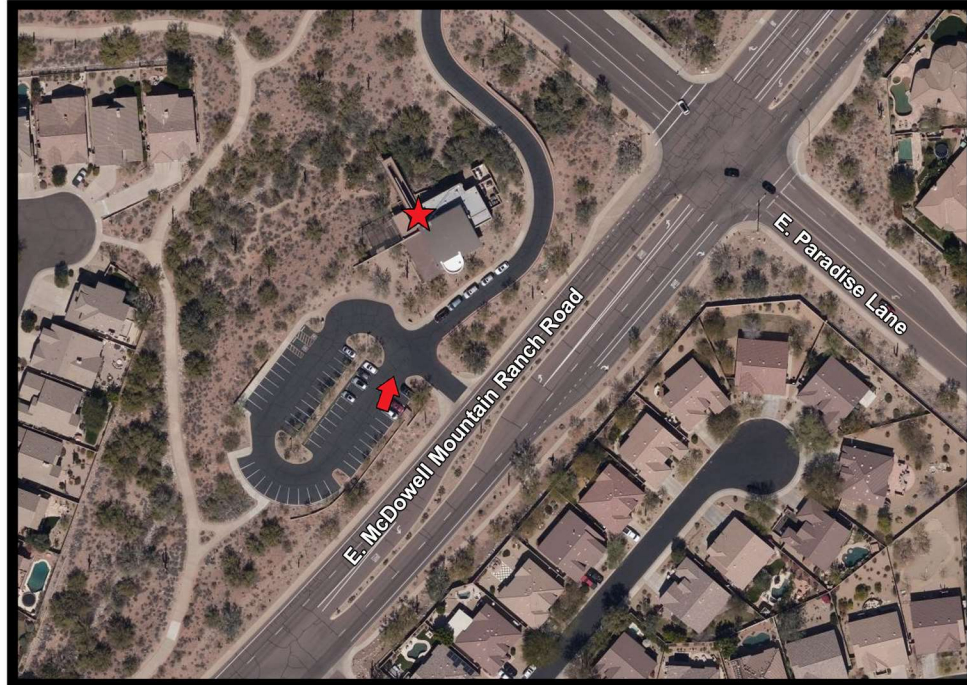
16116 N. MCDOWELL MTN RANCH ROAD  
SCOTTSDALE, AZ 85255  
MARICOPA COUNTY

Prepared By:



8170 N 86th Place, Suite 103  
Scottsdale, Arizona 85258  
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