

Market: SAN FRANCISCO
Cell Site Number: SF71676M
Cell Site Name: Moffett St Lattice Tower

FIRST AMENDMENT TO COUNTY OF MONTEREY WIRELESS COMMUNICATION SITE LEASE AGREEMENT BETWEEN THE COUNTY OF MONTEREY AND METRO PCS CALIFORNIA/FLORIDA INC. A DELAWARE CORPORATION, NOW KNOWN AS METRO PCS CALIFORNIA, LLC, A DELAWARE LIMITED LIABILITY COMPANY

THIS FIRST AMENDMENT TO COUNTY OF MONTEREY WIRELESS COMMUNICATION SITE LEASE AGREEMENT (“Amendment”), dated as of the last date opposite the respective signatures below, is by and between the County of Monterey a political subdivision of the State of California, having a mailing address of 1441 Schilling Place, South Building, 2nd Floor, Salinas, CA 93901 (“**LESSOR**”) and MetroPCS California, LLC, a Delaware limited liability company, formerly known as MetroPCS California/Florida, LLC, a Delaware limited liability company, formerly known as MetroPCS California/Florida, Inc., a Delaware corporation, a subsidiary under parent company T-Mobile USA, Inc. (“**LESSEE**”).

WHEREAS, LESSOR and LESSEE entered into a Wireless Communication Site Lease Agreement dated October 28th, 2005 whereby LESSOR leased to LESSEE certain Premises, therein described, that are a portion of the Property located at 1590 Moffett Street, Salinas, CA (“**Agreement**”); and

WHEREAS, MetroPCS California/Florida, Inc., a Delaware corporation, converted to a limited liability company and amended its name to change it to MetroPCS California/Florida, LLC, a Delaware limited liability company, on December 31st, 2005; and

WHEREAS, MetroPCS California/Florida, LLC, a Delaware limited liability company, amended its name to change it to MetroPCS California, LLC, a Delaware limited liability company, on March 27th, 2006; and

WHEREAS, LESSEE desires to modify its Equipment, which LESSOR is willing to approve; and

WHEREAS, LESSOR and LESSEE desire to adjust the Lease Fee in conjunction with the modifications to the Agreement contained herein; and

WHEREAS, LESSOR and LESSEE, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, LESSOR and LESSEE agree as follows:

1. **Modification of Equipment.** LESSEE shall have the right to modify the Equipment as more completely described on Exhibit B-1 which is attached and incorporated by this reference. LESSOR’s execution of this Amendment will signify LESSOR’s approval of Exhibit B-1. Exhibit B-1 supplements Exhibit B to the Agreement, and shall not be deemed to supersede or otherwise modify Exhibit B or any part thereof except to the extent specifically set forth in Exhibit B-1.
2. **Lease Fee.** Commencing on the first day of the month following the date that LESSEE commences construction of the modifications set forth in this Amendment (“Lease Fee Increase Date”), the annual Lease Fee shall be increased by Seven Thousand Two Hundred Dollars (\$7,200.00) per year, for a total Lease Fee of Thirty-Six Thousand Nine Hundred Fifty One and 26/100 Dollars (\$36,951.26) annually, subject to further adjustments as provided in the Agreement. The foregoing increase of the annual Lease Fee shall be pro-rated for the period from the Lease Fee Increase Date through February 29, 2024. Such pro-rated Lease Fee increase payment will be due and owing within thirty (30) days following the Lease Fee Increase Date.
3. **Lessee’s Notice Address.** LESSEE’s notice addresses in the Agreement are deleted in their entirety and replaced with the following:

If to LESSEE:
MetroPCS California, LLC
c/o: **T-Mobile USA, Inc.**

12920 S.E. 38th Street
Bellevue, WA 98006
Attn.: Lease Compliance
Site No. SF71676M

4. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Agreement and this Amendment, the terms of this Amendment shall control. Except as expressly set forth in this Amendment, the Agreement otherwise is unmodified and remains in full force and effect.
5. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.
6. **Counterparts.** This Amendment may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same Amendment.
7. **Consent to Use of Electronic Signatures.** The parties to this Amendment consent to the use of electronic signatures via DocuSign to execute this Amendment. The parties understand and agree that the legality of electronic signatures is governed by state and federal law, 15 U.S.C Section 7001 et seq.; California Government Code Section 16.5; and, California Civil Code Section 1633.1 et. seq. Pursuant to said state and federal law as may be amended from time to time, the parties to this Amendment hereby authenticate and execute this Amendment, and any and all Exhibits to this Amendment, with their respective electronic signatures, including any and all scanned signatures in portable document format (PDF) which may be delivered by mail, E-Mail, or Facsimile.
8. **Authority.** Any individual executing this Amendment on behalf of the LESSOR, or the LESSEE represents and warrants hereby that he or she has the requisite authority to enter into this Amendment on behalf of such party and bind the party to the terms and conditions of this Amendment and, as to LESSEE, as indicated in Exhibit B-2 which is attached and incorporated by this reference.

IN WITNESS WHEREOF, the parties have caused this Amendment to be effective as of the last date written below.

LESSOR: County of Monterey, a political subdivision of the State of California

By:

Debra R. Wilson, PhD

Title: Contracts/Purchasing Officer

Date:

LESSEE: MetroPCS California, LLC, a Delaware limited liability company

By:

DocuSigned by:
Gerri Roper
17354A79CD98480...

Name: Gerri Roper

Title: Director, Network Engineering and Operations

Date: 8/2/2023



APPROVED AS TO FORM:

Office of the County Counsel
Leslie J. Girard, County Counsel

By:

DocuSigned by:
Mary Grace Perry
A193320517442

Title: Deputy County Counsel

Date: 8/14/2023 | 1:42 PM PDT

& By:

DocuSigned by:
Rachelle Lam
3B62103FC21042C...

Name: Rachelle Lam

Title: Senior Director, Engineering Development

Date: 8/2/2023

DocuSigned by:
Lisle, Jamie
CDA84506A856444...
Lisle, Jamie
7/28/2023

APPROVED AS TO FISCAL PROVISIONS:

Rupa Shah, Auditor-Controller
By: *Patricia Ruiz*
E79EF64E57454F6...
Name: Patricia Ruiz
Title: Auditor Controller Analyst I
Date: 8/14/2023 | 1:17 PM PDT

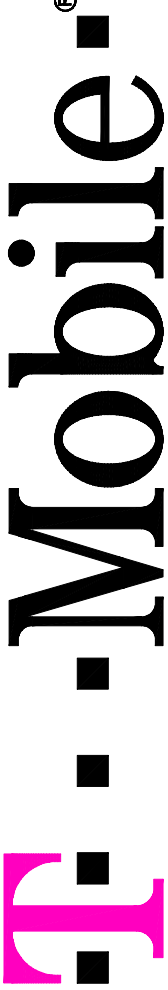
DocuSigned by:
Christina Spott
07BEA847B743490...
Christina Spott
8/2/2023

EXHIBIT B-1

SKETCH OF THE PREMISES

(SEE INSERTED CONSTRUCTION PLANS)

ANCHOR/67E5D998E ODE+6160
RFDS VER 7



ISSUING NOTE:

THE CONTENT OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNAS, FEEDLINES, MOUNTS AND GROUND EQUIPMENT ONLY. PRIOR TO INSTALLATION OF THE ABOVE EQUIPMENT, THE CLIENT SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES IN ORDER TO BRING THE TOWER AND EQUIPMENT INTO COMPLIANCE WITH THE BUILDING CODE AND TA-222 STANDARD. PLEASE REFER TO THE STRUCTURAL MODIFICATION ANALYSIS PREPARED BY ADVANTAGE ENGINEERS FOR DETAILS REGARDING THE STRUCTURAL MODIFICATIONS AND CHANGES TO THE EXISTING WIRELESS TELECOMMUNICATIONS FACILITY. ANY CHANGES TO THE STRUCTURAL MODIFICATIONS ARE TO BE PERFORMED UNTIL THE STRUCTURAL MODIFICATIONS ARE PROPERLY INSTALLED AND INSPECTED.

SITE NUMBER: SF71676M
SITE NAME: SF71676M
SITE TYPE: SELF SUPPORT TOWER JURISDICTION: COUNTY OF MONTEREY

CITY: SALINAS
COUNTY: MONTEREY COUNTY

PROJECT SUMMARY

SITE ADDRESS:
1590 MOFFETT ST.
SALINAS, CA, 93905

PROPERTY OWNER CONTACT:
168 W AUSA ST #2ND, SALINAS CA 93901-2438
0024 C/O RMA-HW REAL PROPERTY SPECIALIST

APPLICANT:
T-MOBILE WEST, LLC
1855 GATEWAY BLVD, SUITE 900
CONCORD, CA 94520

PROJECT MANAGER:
JESSE BURGESS
CONSTRUCTION MANAGER:
JORDAN EGLER

SITE SUMMARY

OCCUPANCY CLASSIFICATION: U (UNMANNED TELECOMMUNICATIONS FACILITY)
GENERAL USE: COMMUNICATIONS TOWER BUILDING SERVING COMMERCIAL ZONE CLASSIFICATION: HIGH AND LOW DENSITY RESIDENTIAL
CONSTRUCTION TYPE: II-B
APN: 003-863-008
CASE NO.: TBD

PROJECT DESCRIPTION

- THE PROJECT DETAILS:
T-MOBILE PROPOSES TO MODIFY (E) WIRELESS TELECOMMUNICATIONS SITE BY:
- 1. REMOVE (6) GENESIS 4MS PDS 09B-FUSERS, (2) PER SECTOR
 - 2. REMOVE (1) EXISTING SECTOR FRAME MOUNT
 - 3. REMOVE (1) EXISTING 52"X6"X4" PANEL ANTENNA
 - 4. REMOVE (6) 7/8" COAK, (2) PER SECTOR
 - 5. REMOVE (6) 7/8" ANTENNAS, (1) PER SECTOR
 - 6. ADD (3) SHERWOOD 9740-100-5 ANTENNA MOUNTS, (1) PER SECTOR
 - 7. ADD (3) NEW 9740-100-5 ANTENNA MOUNTS, (1) PER SECTOR
 - 8. ADD (3) NEW 9800 4480 871-885 BRIS, (1) PER SECTOR
 - 9. ADD (3) NEW AIRCAD19 B4I ANTENNAS, (1) PER SECTOR
 - 10. ADD (3) NEW AIRWALL24_43-U-IM20 ANTENNAS, (1) PER SECTOR
 - 11. RETAIN (1) RBS 6201 ODE CABINET
 - 12. RETAIN (1) PIS 8003
 - 13. REMOVE (6) RUS01 B4 FROM RBS 6201 ODE CABINET
 - 14. REMOVE (6) RBS 6201 ODE CABINET
 - 15. REMOVE (6) BR 5216 FROM RBS 6201 ODE CABINET
 - 16. ADD (3) 9A24 HYBRID TRUNK 4WG (400)
 - 17. ADD (1) NEW 6160 SITE SUPPORT CABINET
 - 18. ADD (1) NEW 6160 BATTERY CABINET
 - 19. ADD (1) RFS 6651 INDO NEW 6160 SITE SUPPORT CABINET
 - 20. ADD (1) RFS 6651 INDO (E) RBS 6201 ODE CABINET
 - 21. ADD (1) 3MM
 - 22. ADD (2) PSU 4B13
 - 23. ADD (1) CSR IRE (6242)

CONSULTING TEAM

SAGZONING/PERMITTING:
SYNERGY A DIVISION OF
ADVANTAGE ENGINEERS, LLC
1515 COLUMBIA DR., SUITE A
3963 N. JACOBIN RD, STE. 201
SANTA ROSA, CA 95403
CONTACT: TROY EGLESTON
PHONE: (707) 888-5191

ARCHITECTURAL/ENGINEERING:
ADVANTAGE ENGINEERS, LLC
1515 COLUMBIA DR., SUITE A
3963 N. JACOBIN RD, STE. 201
SANTA ROSA, CA 95403, P.E.
CONTACT: STANLEY J. JARZOMBEK, P.E.
PHONE: (413) 367-0003

STRUCTURAL/ENGINEERING:
ADVANTAGE ENGINEERS, LLC
1515 COLUMBIA DR., SUITE A
3963 N. JACOBIN RD, STE. 201
SANTA ROSA, CA 95403, P.E.
CONTACT: STANLEY J. JARZOMBEK, P.E.
PHONE: (413) 367-0003

LATITUDE / LONGITUDE

LAT: 36° 39' 33.3" N
LONG: -121° 36' 42.0" W

UTILITY PURVEYOR

POWER:
COMPANY: PG&E

TELCO:
COMPANY: AT&T

APPROVAL

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND HEREBY CONSTITUTE THE CONSULTING ENGINEER OF RECORD FOR THE PROJECT. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY MAY IMPOSE.

LANDLORD:	SIGNATURE	DATE
ZONING MGR:		
DEVELOP. MGR:		
CONST. MGR:		
PROJECT MGR:		
SR. RF ENGINEER:		
OPERATIONS:		
SAC REP:		
UTILITIES:		
REAL ESTATE MGR:		

DRAWING INDEX

SHEET	DESCRIPTION
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G-1	GROUNDING NOTES AND DETAILS

LEGAL DESCRIPTION

SALINAS AIRPORT BUSINESS CENTER NO 1 TRACT NO 922 LOT 7 2.63 AC

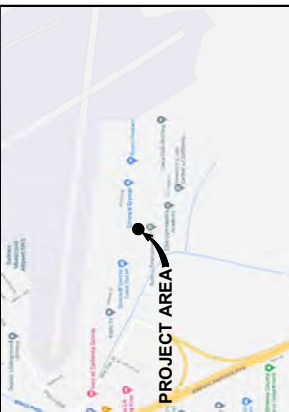
ACCESSIBILITY REQUIREMENTS

THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. HUMAN OCCUPANCY IS LIMITED TO MAINTENANCE PERSONNEL. SEE SEC. 2019, SECTION 11B-2035.4 (LIMITED ACCESS SPACES)

CODE COMPLIANCE

- CALIFORNIA ADMINISTRATIVE CODE (INCL. TITLES 24 & 25) 2019
- CALIFORNIA ELECTRICAL CODE 2019
- CALIFORNIA MECHANICAL CODE 2019
- CALIFORNIA PLUMBING CODE 2019
- ASCE 7-16
- ASCE 10-16
- CITY / COUNTY ORDINANCES
- CALIFORNIA FIRE CODE 2019 EDITION
- ASCE 7-16
- ASCE 10-16
- ASCE STEEL CONSTRUCTION MANUAL, 15TH EDITION

GENERAL LOCATION MAP



VICINITY MAP



DRIVING DIRECTION

FROM T-MOBILE OFFICE: 1855 GATEWAY BLVD STE 900, CONCORD, CA 94520
HEAD WEST TOWARD CLAYTON RD, TURN LEFT TOWARD CLAYTON RD, TURN RIGHT ONTO CLAYTON RD, TURN LEFT TOWARD CLAYTON RD, TURN RIGHT ONTO CLAYTON RD, MERGE WITH I-680 S. MERGE WITH I-680 S. USE THE RIGHT 3 LANES TO TAKE EXIT 1B MERGE WITH US-101 S TOWARD LOS ANGELES PARTS OF THIS ROAD MAY BE CLOSED. TURN RIGHT ONTO LA GARDAIA ST, TURN RIGHT ONTO LA GARDAIA ST, TURN RIGHT 1590 MOFFETT ST, SALINAS, CA 93905

T-Mobile
Stick Together.
1855 GATEWAY BLVD, SUITE 900
CONCORD, CA 94520

PROJECT INFORMATION:
(ANCHOR)
SF71676M
SF71676M
1590 MOFFETT ST.
SALINAS, CA 93905
MONTEREY COUNTY

CURRENT ISSUE DATE:
06/22/22

ISSUED FOR:
CONSTRUCTION

REV. / DATE / DESCRIPTION / BY:

REV.	DATE	DESCRIPTION	BY
△	09/30/20	90% CD	RC
△	11/09/20	100% CD	JEB
△	06/22/22	REVISED RFDS	JEB

PLANS PREPARED BY:
Synergy
advantage engineers
7526 Woodway Ave. #201, Van Nuys, CA 91410
Office: (818) 940-0789 Fax: (818) 940-0788

CONSULTANT:
Synergy
advantage engineers
7526 Woodway Ave. #201, Van Nuys, CA 91410
Office: (818) 940-0789 Fax: (818) 940-0788

DRAWN BY: CHK. BY: APV. BY:
JEB AB AB



SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1
REVISION: 1
SF71676M



PROJECT INFORMATION:
1865 CARNEY RD. SUITE 100
COSTA MESA, CA 92626

(ARCH)
SF71676M
1500 JOFFETT ST.
MILLER PARK
MILLER PARK, COSTA MESA, CA 92626

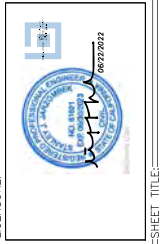
CURRENT DATE:
06/22/22

Table with columns: REV., DATE, DESCRIPTION, BY. Contains revision history for CONSTRUCTION.



CONSULTANT:
Synergy advantage engineers
7549 Woodley Ave., 4001 Van Nuys, CA 91406

DRAWN BY:
CHK:
REV:
JOB:
AS:
AB:



SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
REVISION:
T-2
1
SF71676M

ACCESSIBILITY EXCEPTION NOTES

- 1. BETWEEN 1/4" TO 3/4" WIDTH ACCESS SPACES...
2. SECTION 11E-205.2: MACHINERY SPACES...
3. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FINISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.

GENERAL BE NOTES

- 1. ALL ANTENNAS AND ANTENNA CABLE SHALL BE FINISHED BY T-MOBILE WIRELESS AND INSTALLED BY ANTENNA INSTALLATION CONTRACTOR.
2. PRIOR TO INSTALLATION OF ANTENNAS THE CONTRACTOR SHALL VERIFY THAT THE AS-BUILT AND DIMENSIONS SHOWN ON THE PLANS MATCH ACTUAL FIELD CONDITIONS.

GENERAL NOTES (CONTINUATION)

- 39. THE CONTRACTOR SHALL VERIFY THAT REPRESENTATIVES FROM AFFECTED AGENCIES SHALL BE HELD ON THE JOB AT AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION.
40. DRAWINGS ARE NOT TO BE SCALED UNDER ANY CIRCUMSTANCES...

SITE PREPARATION NOTES

- 1. THE PREPARATION OF THE SITE FOR CONSTRUCTION SHALL INCLUDE THE REMOVAL OF ALL BROKEN CONCRETE, TREE TRUNKS AND ANY OTHER DEBRIS THAT MIGHT DAMAGE THE FOOTINGS OF THE (N) STRUCTURE.
2. BACKFILL ALL TRENCHES WITH CLEAN, STEEL SILE SAND HAVING A SAND EQUIVALENT OF 20%...

GENERAL NOTES (CONTINUATION)

- 11. CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS, INCLUDING PROPERTY OWNERS' PREVIOUSLY PLACED AND INSPECTION OF NORMAL VARIATION.
12. ALL EXPOSED METAL SHEET SHALL BE HOT-DIPPED GALVANIZED.
13. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 10-B, 15 FEET TRIMMEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA...

ROOFING & WATERPROOFING NOTES

- 1. CONTRACTOR SHALL CONTACT THE DESIGN OWNER TO DETERMINE IF RAFTS IS WHEREVER AVAILABLE. CONTRACTOR SHALL GUARANTEE THAT ANY AND ALL NEW ROOFING WHICH MEETS THE SPECIFICATION OF ANY EXISTING ROOFING WARRANTIES...
2. CONTRACTOR SHALL USE METHODS AND MATERIALS SIMILAR AND COMPATIBLE WITH EXISTING MATERIALS & CONDITIONS FOR ROOF PATCHING, NEW PENETRATIONS, ETC.

PENETRATION AT FIRE RATED ASSEMBLIES NOTES

- 1. AT THE CLIENT PROJECT MANAGER'S DIRECTION, THE CONTRACTOR SHALL PROVIDE "HIT" HIGH PERFORMANCE FIBREGLASS SYSTEM FS301 AT ALL FIRE RATED PENETRATIONS INSTALLED PER MANUFACTURER'S LATEST INSTALLATION SPECIFICATIONS.

GENERAL NOTES

- 1. THE LATEST EDITION OF THE AMERICAN INSTITUTE OF ARCHITECTS DOCUMENT (AIA) SPECIFICATIONS ARE TO BE USED UNLESS OTHERWISE NOTED.
2. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATION.

DRAWING NOTE

THE CONTENT OF THE DRAWINGS & FOR DETAILS REGARDING THE T-MOBILE ANTENNAS FEEDLINES, MAINS AND GROUND EQUIPMENT ONLY. PRIOR TO INSTALLATION OF THE ABOVE...

NOTE

CONTRACTOR TO FIELD VERIFY ALL (E) CONSTRUCTION CONDITIONS BEFORE SUBMITTAL OF FINAL BIDS. START OF CONSTRUCTION AND OR FABRICATION.

SHOP DRAWING REVIEW

FOR T-MOBILE WIRELESS WITH EXISTING STRUCTURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE STRUCTURE OR SOIL HAS NOT ATTAINED THE DESIGN STRENGTH FOR THE CONDITIONS PRESENT.

LANDLORD/LESSOR NOTES

- 1. A PRECONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM APPLICABLE AGENCIES SHALL BE HELD ON THE JOB AT LEAST ONE (1) WEEK PRIOR TO BEGINNING CONSTRUCTION AT WHICH THE (C) WORKING DATA PRIOR TO BEGINNING CONSTRUCTION AT 10:00-10:45 A.M.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE AT ALL TIMES FOR LANDLORD/LESSOR PERSONNEL. GREEN TRENCHES SHALL BE PROPERLY PLATED AT THE END OF EACH WORKING DAY TO ALLOW FOR 24-HOUR LANDLORD/LESSOR ACCESS TO THE SITE.

WATER-PROOFING, PENETRATION AND GENERAL NOTES

Stick Together
1865 GATEWAY BLVD, SUITE 100
COSTA MESA, CA 92626

PROJECT INFORMATION:
 (ANNUOS)
 SF71676M
 SF71676M
 1580 MOFFETT ST.
 SAN FRANCISCO, CA 94115
 MONTREY COUNTY

ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
1	09/30/20	90% CD	RC
2	11/09/20	100% CD	JEB
3	06/22/22	REVISED REDS	JEB

PLANS PREPARED BY:
Synergy
 a division of **advantage engineers**
 7543 Woodley Ave, #201 Van Nuys, CA 91410
 Office (818) 842-0208 Fax (818) 842-0208

CONSULTANT:
Synergy
 a division of **advantage engineers**
 7543 Woodley Ave, #201 Van Nuys, CA 91410
 Office (818) 842-0208 Fax (818) 842-0208

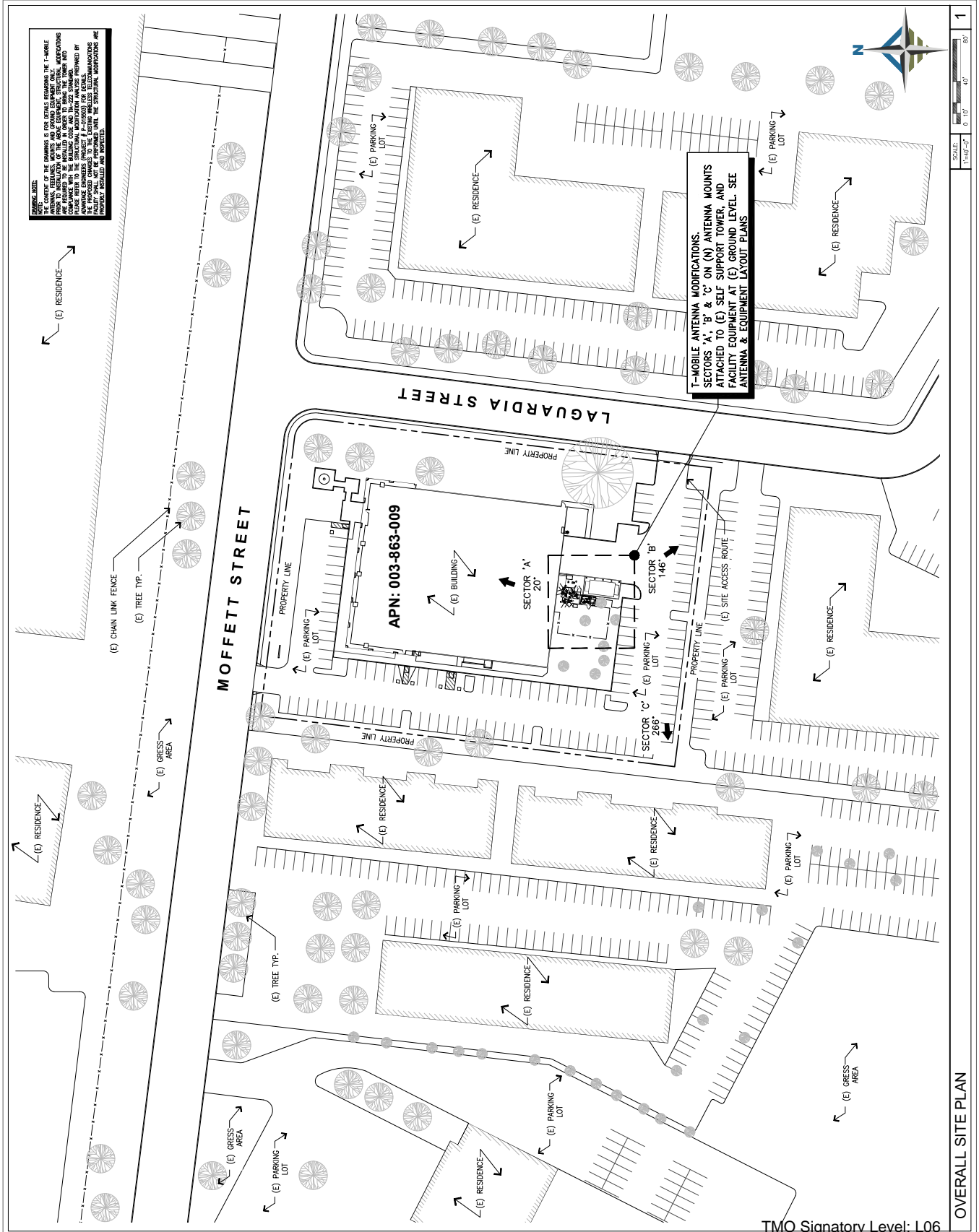
DRAWN BY: JEB
 CHECKED BY: APV

LICENSE:
 06/22/2022

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
A-1

REVISION:
1



T-MOBILE ANTENNA MODIFICATIONS.
 SECTORS 'A', 'B' & 'C' ON (N) ANTENNA MOUNTS ATTACHED TO (E) SELF SUPPORT TOWER AND FACILITY EQUIPMENT AT (E) GROUND LEVEL. SEE ANTENNA & EQUIPMENT LAYOUT PLANS

GENERAL NOTES:
 THE CONTENT OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNA MODIFICATIONS. THE DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSES. PRIOR TO INSTALLATION OF THE ANTENNA EQUIPMENT, STRUCTURAL MODIFICATIONS AS NECESSARY TO SUPPORT THE ANTENNA EQUIPMENT SHALL BE MADE IN ACCORDANCE WITH THE BUILDING CODE AND THE 2022 CALIFORNIA BUILDING CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTIONS. THE PROPOSED CHANGES TO THE EXISTING BUILDING DRAWINGS SHALL BE SHOWN ON THE DRAWINGS WITH THE CONTRACTOR'S RESPONSIBILITY FOR ANY VIOLATIONS AND VIOLATIONS.


TMO Signatory Level: L06

NLG-84278

OVERALL SITE PLAN

SCALE: 1"=40'-0"


1




Stick Together.
1855 GARDEN RD. SUITE 900
COSTA MESA, CA 92626

PROJECT INFORMATION:
 (ANSI/ISO)
 SF71676M
 1550 MOFFETT ST.
 SAN FRANCISCO, CA 94116
 MARIETTA, GEORGIA

ISSUED FOR:
CONSTRUCTION

PLANS PREPARED BY:

 Synergy
 a division of
 advantage engineers
 7543 Woodley Ave., #201 Van Nuys, CA 91406
 Office: (818) 844-0208 Fax: (818) 844-0208

CONSULTANT:

 Synergy
 a division of
 advantage engineers
 7543 Woodley Ave., #201 Van Nuys, CA 91406
 Office: (818) 844-0208 Fax: (818) 844-0208

REV. DATE DESCRIPTION BY

A	09/30/20	90% CD	RC
A	11/09/20	100% CD	JEB
A	06/22/22	REVISED REDS	JEB

DRAWN BY: JEB
 CHECKED BY: ASV

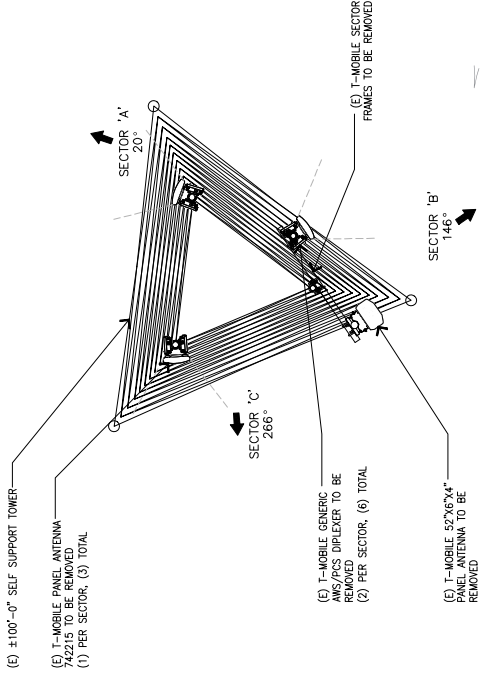
LICENSURE: JEB ASV

SHEET NUMBER: SF71676M
 REVISION: 1

ISSUING NOTE:
 THE CONTENT OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNAS, FEEDLINES, MOUNTS AND GROUND EQUIPMENT ONLY. PRIOR TO INSTALLATION OF THE ABOVE EQUIPMENT, THE CLIENT SHALL OBTAIN ALL NECESSARY PERMITS AND BE INSTALLED IN ORDER TO BRING THE TOWER INTO COMPLIANCE WITH THE BUILDING CODE AND TIA-222 STANDARDS. PLEASE REFER TO THE STRUCTURAL DRAWINGS FOR THE PROPOSED JOBS. THE PROPOSED CHANGES TO THE EXISTING WIRELESS TELECOMMUNICATIONS FACILITY SHALL NOT BE PERFORMED UNTIL THE STRUCTURAL MODIFICATIONS ARE PROPERLY INSTALLED AND INSPECTED.

EXISTING ANTENNA SCHEDULE

SECTOR	AZIMUTH	RAD CENTER	ANTENNA		SIZE	QTY.	BRG/TMA/DIPLEXER/SMART BMS		TYPE	COAX JUMPER		FIBER JUMPER		HCS/COAX CABLE		POWER
			MODEL NO.	KATHREIN 742215			QTY.	QTY.		QTY.	QTY.	SIZE & TYPE	QTY.	SIZE & TYPE	QTY.	
SECTOR "A"	20°	73--0"	KATHREIN 742215	51.7"L X 6.1"W X 2.8"D	1	AMS/P/S DIPLEXER	2	-	AMS/P/S DIPLEXER	2	-	7/8" COAX	2	-	-	-
SECTOR "B"	146°	73--0"	KATHREIN 742215	51.7"L X 6.1"W X 2.8"D	1	AMS/P/S DIPLEXER	2	-	AMS/P/S DIPLEXER	2	-	7/8" COAX	2	-	-	-
			UNKNOWN PANEL ANTENNA	52"L X 6"W X 4"D	1	-	-	-	-	-	-	-	-	-	-	-
SECTOR "C"	266°	73--0"	KATHREIN 742215	51.7"L X 6.1"W X 2.8"D	1	AMS/P/S DIPLEXER	2	-	AMS/P/S DIPLEXER	2	-	7/8" COAX	2	-	-	-
TOTAL					4		6			6		8				





PROJECT INFORMATION:
 (ANSI/ISO)
SF71676M
 1500 MOFFETT ST.,
 FOLSOM, CA 95630
 ANTENNA MOUNTING COUNTRY:
 UNITED STATES OF AMERICA
 CURRENT ISSUE DATE:
06/22/22

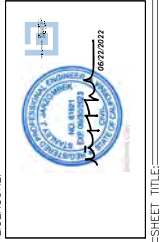
ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
1	09/30/20	90% CD	RC
2	11/09/20	100% CD	JEB
3	06/22/22	REVISED REDS	JEB



PLANS PREPARED BY:
 Synergy
 7543 Woodley Ave., #201 Van Nuys, CA 91410
 Office: (818) 440-0208 Fax: (818) 440-0208

CONSULTANT:
 Synergy
 7543 Woodley Ave., #201 Van Nuys, CA 91410
 Office: (818) 440-0208 Fax: (818) 440-0208



DRAWN BY: JEB
 CHECKED BY: APV
 LICENSEURE: JEB AB AB

SHEET TITLE:
NEW ANTENNA LAYOUT PLAN

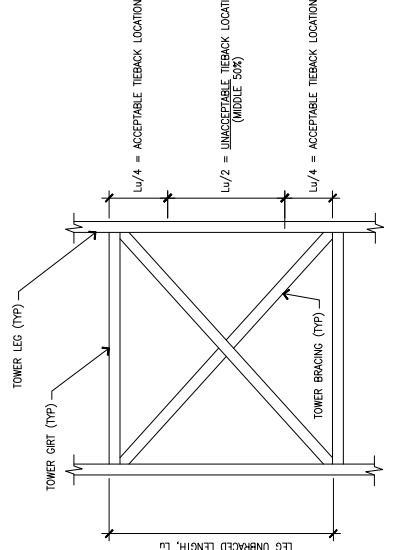
SHEET NUMBER:
A-3

REVISION:
1

PLEASE REFER TO THE TIEBACK CONNECTION DATA BELOW TO BE USED FOR ASSESSMENT OF THE TOWER BRACKS AT THE LOCATION OF THE ATTACHMENT OF THE PROPOSED ANTENNA MOUNT TIEBACKS.

TOWER CONNECTION NODE NO.	EXISTING/PROPOSED	RESULTANT END REACTION (LB)
N78A	PROPOSED	1187.1
N78B	PROPOSED	1233.5

1. TIEBACKS SHALL BE CONNECTED PER THE TIEBACK ANGLE RANGE SHOWN IN THE MOUNT MANUFACTURER DRAWINGS. IF THIS INFORMATION IS UNAVAILABLE, TIEBACKS SHALL BE LIMITED TO 30 DEGREE RANGES IN BOTH THE VERTICAL AND HORIZONTAL DIRECTION WITHOUT FURTHER ENGINEERING INVESTIGATION.
 2. TIEBACKS SHALL BE ATTACHED TO ADJACENT TOWER LEGS SUCH THAT THE BACKS ARE NOT ATTACHED TO THE MIDDLE 50% OF THE TOWER LEGS UNBRACKED LENGTH. TIE BACKS SHALL BE LOCATED NO MORE THAN 15" FROM PANEL END POINTS.



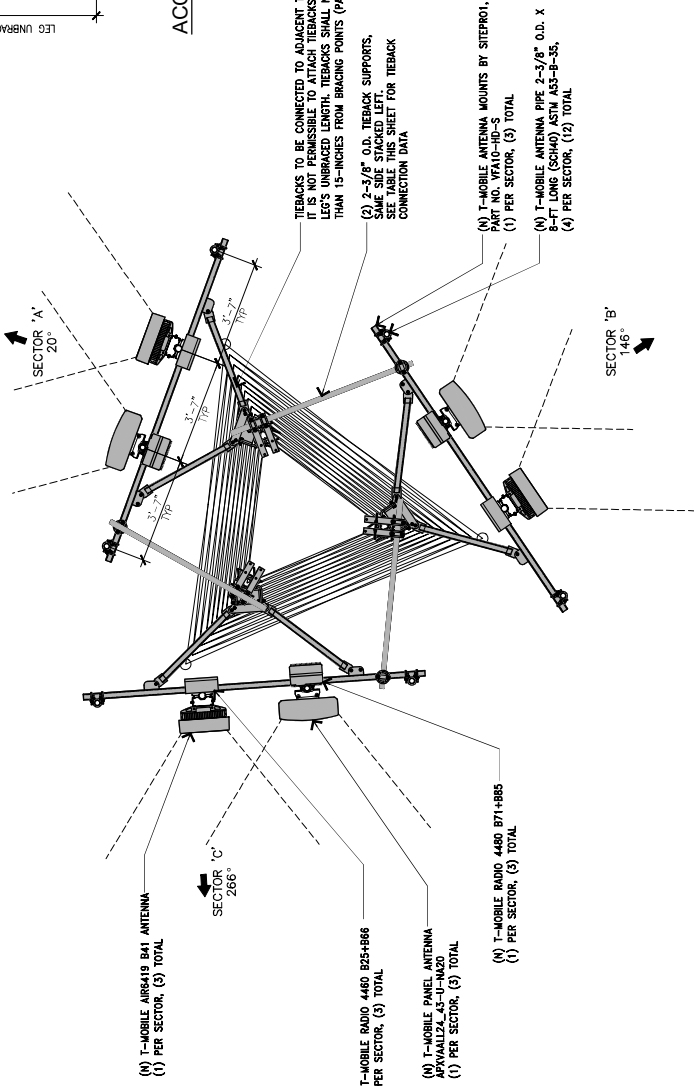
ACCEPTABLE TIEBACK LOCATION DETAIL


TIEBACKS TO BE CONNECTED TO ADJACENT TOWER LEGS AS SHOWN. IT IS NOT PERMISSIBLE TO ATTACH TIEBACKS TO THE MIDDLE 50% OF THE LEG'S UNBRACKED LENGTH. TIEBACKS SHALL NOT BE LOCATED FURTHER THAN 15-INCHES FROM BRACKING POINTS (PANEL END POINTS).
 (2) 2-3/8" O.D. TIEBACK SUPPORTS.
 SAME SIDE STACKED LEFT.
 SEE TABLE THIS SHEET FOR TIEBACK CONNECTION DATA.

DRAWING NOTE:
 THE CONTENT OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNAS, FEEDLINES, MOUNTS AND GROUND PLANS. ALL STRUCTURAL AND ELECTRICAL DETAILS OF THE EQUIPMENT, STRUCTURAL MODIFICATIONS ARE REQUIRED TO BE INSTALLED IN ORDER TO BRING THE TOWER INTO COMPLIANCE WITH THE BUILDING CODE AND THE 2022 CALIFORNIA ELECTRICAL CODE. THE PROPOSED MODIFICATION ANALYSIS PREPARED BY ADVANTAGE ENGINEERS (PROJECT # P-015503) FOR DETAILS. THE PROPOSED CHANGES TO THE EXISTING WIRELESS TELECOMMUNICATIONS FACILITY SHALL NOT BE PERFORMED UNTIL THE STRUCTURAL MODIFICATIONS ARE PROPERLY INSTALLED AND INSPECTED.

NEW ANTENNA SCHEDULE

SECTOR	AZIMUTH	RAD CENTER	MODEL NO.	ANTENNA	SIZE	QTY.	TYPE	RRU/TMA/SMART BMS T	COMB. JUMPER	FIBER JUMPER	HCS/COAX CABLE	POWER
SECTOR 'A'	20°	73°-0'	APXWALL24_43-U-NA20	95.9'L X 24'W X 8.7'D	1	RADIO 4460 B71+H85	1	8	6	6/24 HCS	1	-
			ARR6419 B41	36.3'L X 20.9'W X 9'D	1	RADIO 4460 B25+H86	-	2	-	-	-	-
SECTOR 'B'	146°	73°-0'	APXWALL24_43-U-NA20	95.9'L X 24'W X 8.7'D	1	RADIO 4460 B71+H85	1	8	6	6/24 HCS	1	-
			ARR6419 B41	36.3'L X 20.9'W X 9'D	1	RADIO 4460 B25+H86	-	2	-	-	-	-
SECTOR 'C'	266°	73°-0'	APXWALL24_43-U-NA20	95.9'L X 24'W X 8.7'D	1	RADIO 4460 B71+H85	1	8	6	6/24 HCS	1	-
			ARR6419 B41	36.3'L X 20.9'W X 9'D	1	RADIO 4460 B25+H86	-	2	-	-	-	-
TOTAL	-	-	-	-	6	6	24	24	3	-	-	





1855 GARDWAY BLD. SUITE 900
CONCORD, CA 94520

PROJECT INFORMATION:

(M) (M) (P)
SF71676M
1500 MOFFETT ST.
SAN FRANCISCO, CA 94035
MONTEREY COUNTY


CURRENT ISSUE DATE:
06/22/22

ISSUED FOR:

CONSTRUCTION


REV./DATE/DESCRIPTION:

△	09/30/20	90% CD
△	11/09/20	100% CD
△	06/22/22	REVISED REDS



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CONSULTANT:




7540 Woodley Ave. #201 Van Nuys, CA 91408
Office (818) 840-0208 Fax (818) 840-0708

DRAWN BY: JEB

CHKD BY: APV

LICENSE: 06/22/2022



SHEET TITLE:

**EQUIPMENT LAYOUT PLANS
AND ENLARGED
EQUIPMENT ELEVATIONS**

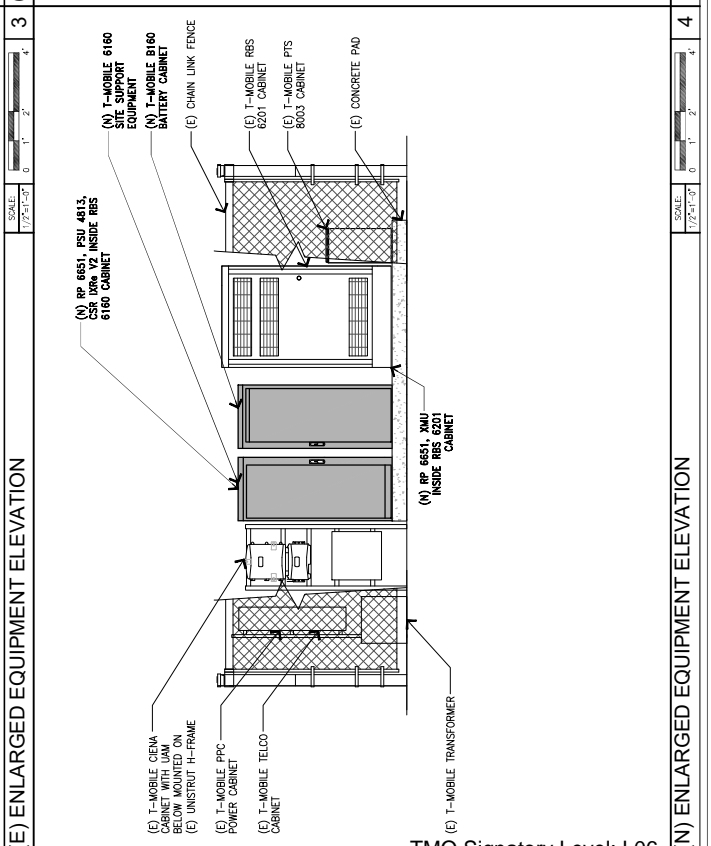
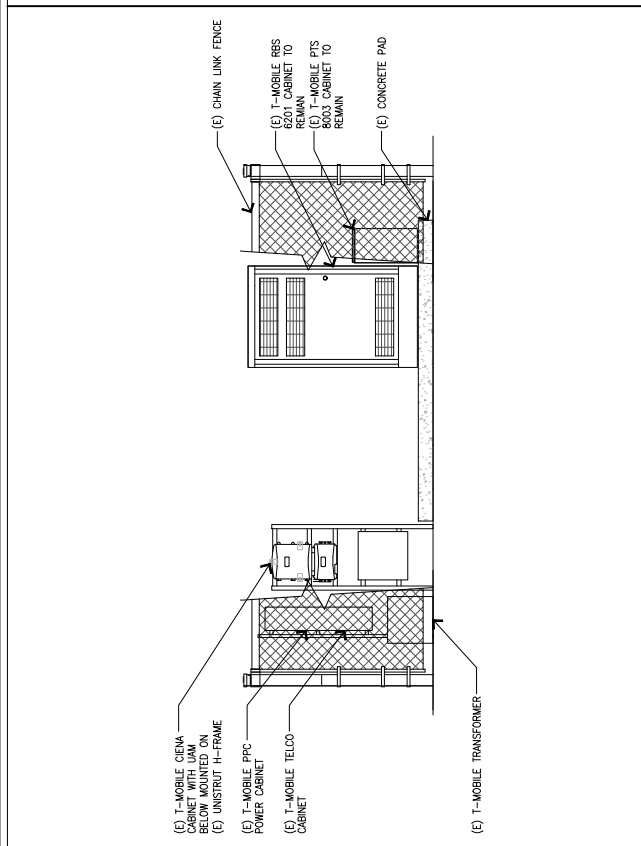
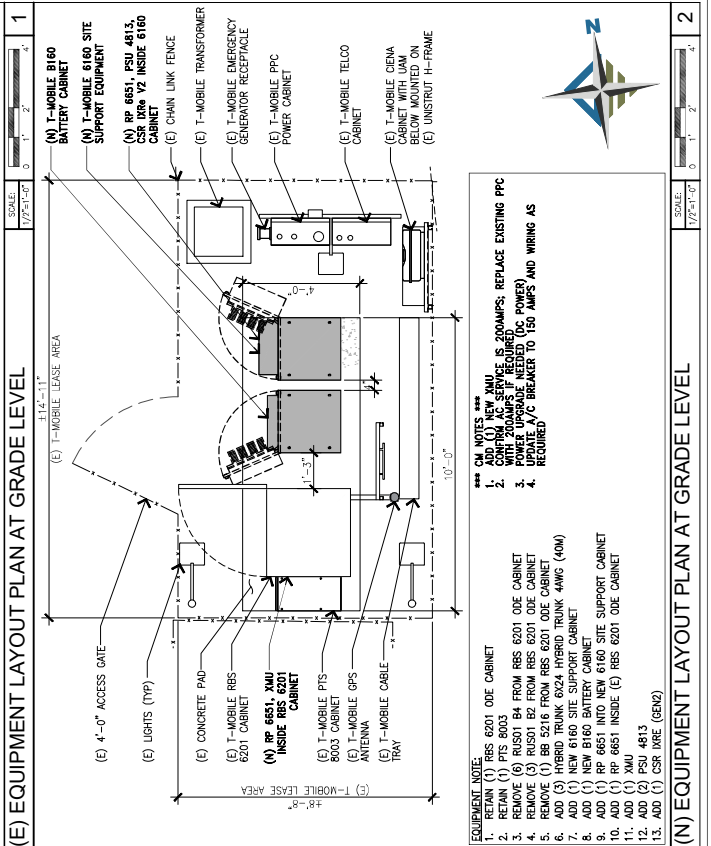
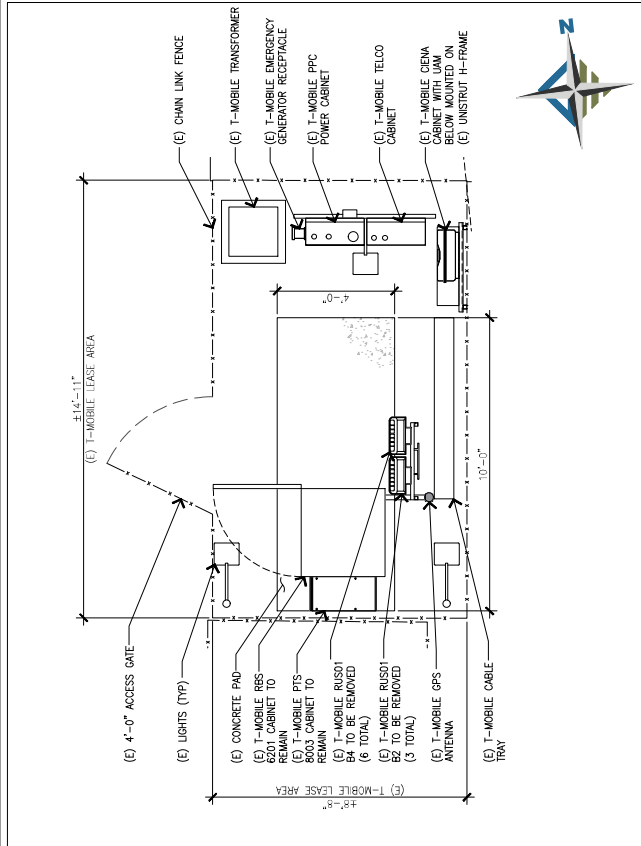
SHEET NUMBER:

A-4

REVISION:

1

SF71676M



1855 GARDWAY BLD. SUITE 900
CONROD, CA 94520

PROJECT INFORMATION:
 (ANV) (OR)
 SF71676M
 SF71676M
 1550 WOFFETT ST.
 SAN JOSE, CA 95128
 MONTEREY, CALIFORNIA

CURRENT ISSUE DATE:
 06/22/22

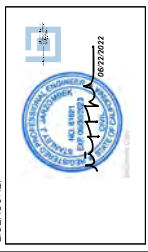
ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
△	09/30/20	90% CD	RC
△	11/09/20	100% CD	JEB
△	06/22/22	REVISED REDS	JEB

PLANS PREPARED BY:
Synergy
 a division of **advantage engineers**
 7549 Woodley Ave. #201 Van Nuys, CA 91408
 Office: (818) 844-0208 Fax: (818) 844-0208

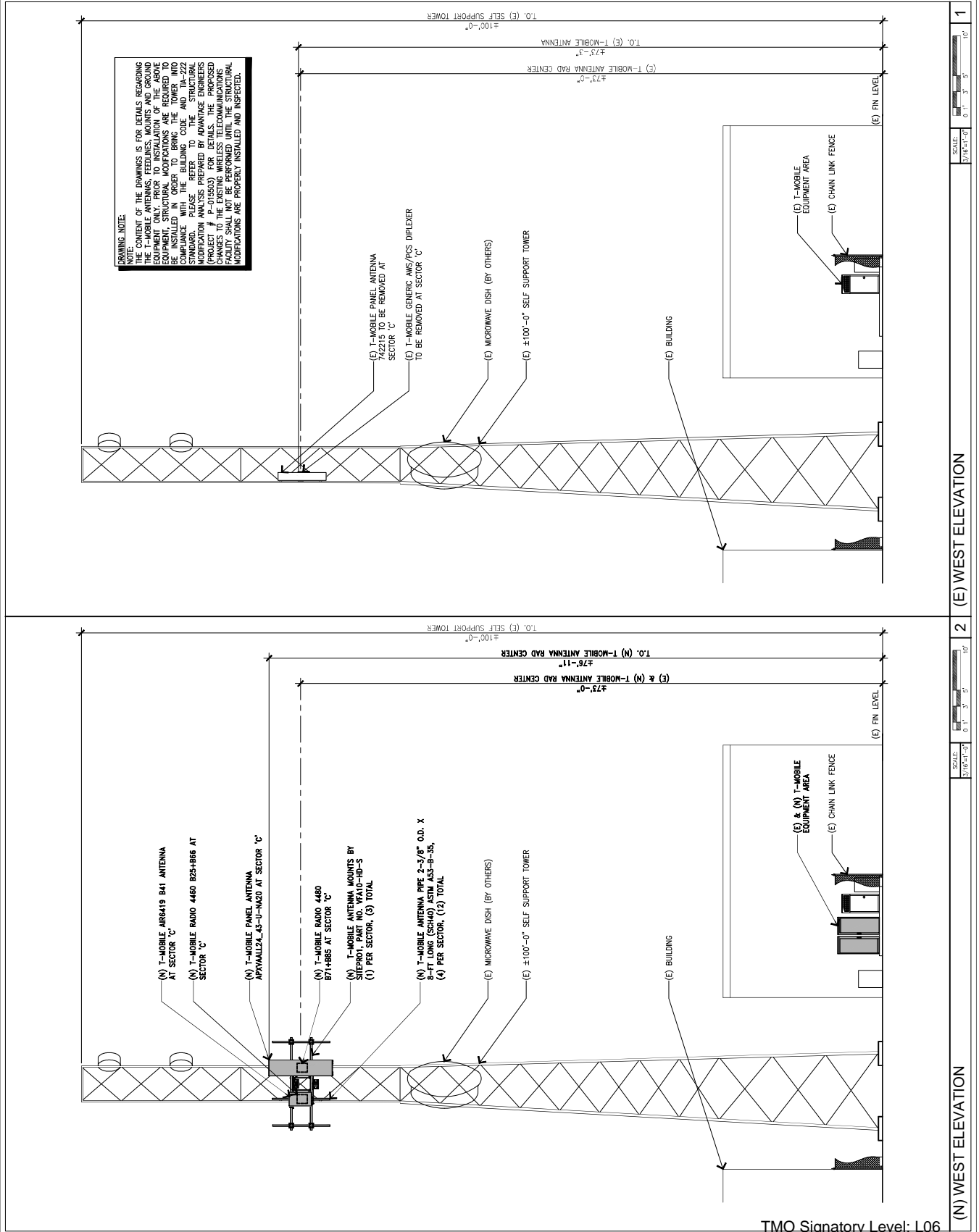
CONSULTANT:
Synergy
 a division of **advantage engineers**
 7549 Woodley Ave. #201 Van Nuys, CA 91408
 Office: (818) 844-0208 Fax: (818) 844-0208

DRAWN BY: JEB
 CHECKED BY: AB
 APPROVED BY: AB



SHEET TITLE:
ELEVATIONS I

SHEET NUMBER: **A-5**
 REVISION: **1**
 SF71676M



DRAWING NOTE:
 THE CONTENT OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNAS, FEEDLINES, MOUNTS AND GROUND EQUIPMENT ONLY. PRIOR TO INSTALLATION OF THE ABOVE STRUCTURE, THE CONTRACTOR SHALL VERIFY THE TOWER AND EQUIPMENT TO BE INSTALLED CONFORMS TO THE TOWER AND EQUIPMENT CODES TO BE USED TO OBTAIN THE TOWER AND EQUIPMENT COMPLIANCE WITH THE BUILDING CODE AND TA-222 STANDARD. PLEASE REFER TO THE STRUCTURAL MODIFICATION ANALYSIS PREPARED BY ADVANTAGE ENGINEERS FOR THE TOWER FOR THE TOWER'S DESIGN. ANY REQUIRED CHANGES TO THE EXISTING WIRELESS TELECOMMUNICATIONS FACILITY SHALL NOT BE PERFORMED UNTIL THE STRUCTURAL MODIFICATIONS ARE PROPERLY INSTALLED AND INSPECTED.

TMO Signatory Level: L06

NLG-84278

SCALE: 3/16"=1'-0" 0' 1' 3' 5' 10'

(N) WEST ELEVATION 2

(E) WEST ELEVATION 1

1855 GATEWAY BLD. SUITE 900
CONCORD, CA 94520

PROJECT INFORMATION:
 (AMN/OP) SF71676M
 SF71676M
 1500 WOFFETT ST.
 SAN FRANCISCO, CA 94109
 MONTEREY COUNTY

CURRENT ISSUE DATE:
 06/22/22

ISSUED FOR:
CONSTRUCTION

REV.	DATE	DESCRIPTION	BY
△	09/30/20	90% CD	RC
△	11/09/20	100% CD	JEB
△	06/22/22	REVISED REDS	JEB

PLANS PREPARED BY:
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CONSULTANT:
 advantage engineers
 7549 Woodley Ave. #201 Van Nuys, CA 91406
 Office (818) 844-0208 Fax (818) 844-0208

DRAWN BY: JEB
 CHECKED BY: APV
 LICENSED: JEB, APV

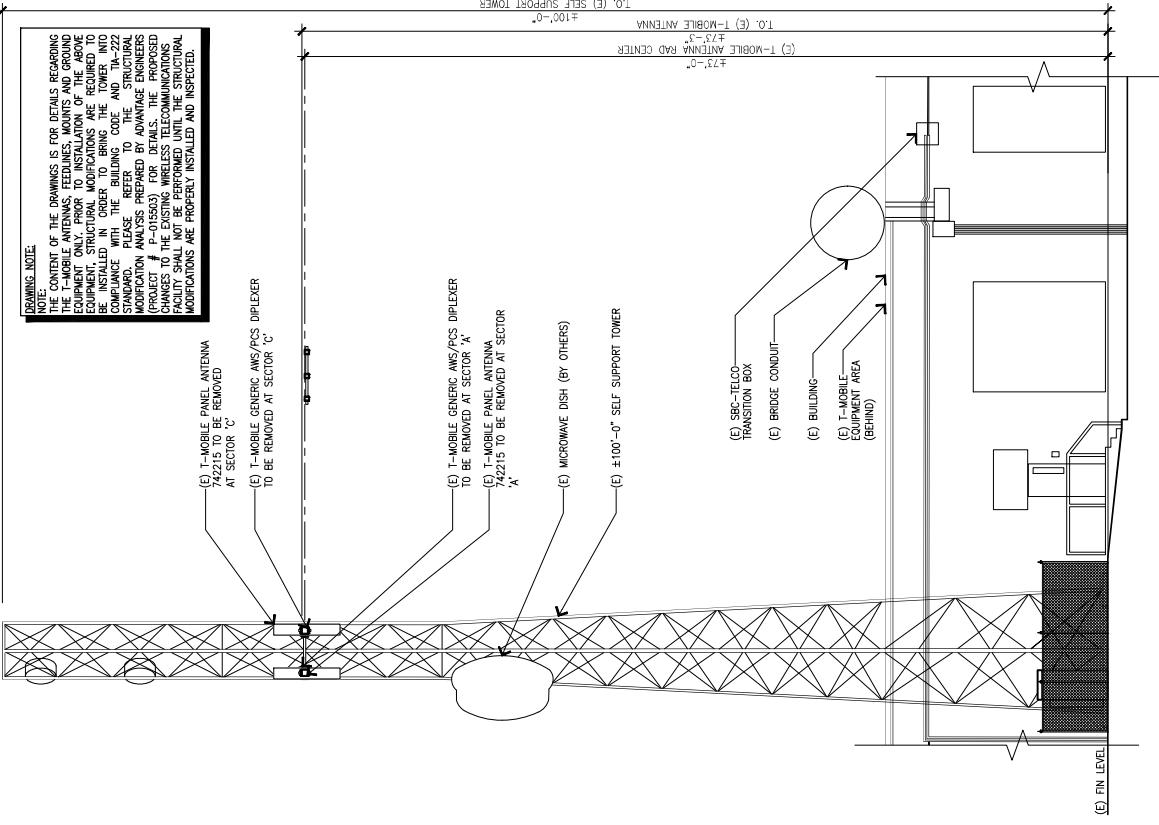
SHEET TITLE:
 ELEVATIONS II

SHEET NUMBER: **A-6**
 REVISION: 1
 SF71676M

DRAWING NOTE:
 THE PURPOSE OF THE DRAWINGS IS FOR DETAILS REGARDING THE T-MOBILE ANTENNA FEEDLINES, MOUNTS, AND GROUND EQUIPMENT ONLY. PRIOR TO INSTALLATION OF THE ABOVE EQUIPMENT, STRUCTURAL MODIFICATIONS ARE REQUIRED TO BE INSTALLED WITH THE ORDER AND IN ACCORDANCE WITH THE STANDARD. PLEASE REFER TO THE STRUCTURAL MODIFICATION ANALYSIS PREPARED BY ADVANTAGE ENGINEERS (PROJECT # P-015503) FOR DETAILS. THE PROPOSED CHANGES TO THE STRUCTURE OF THE FACILITY SHALL NOT BE PERFORMED UNTIL THE STRUCTURAL MODIFICATIONS ARE PROPERLY INSTALLED AND INSPECTED.

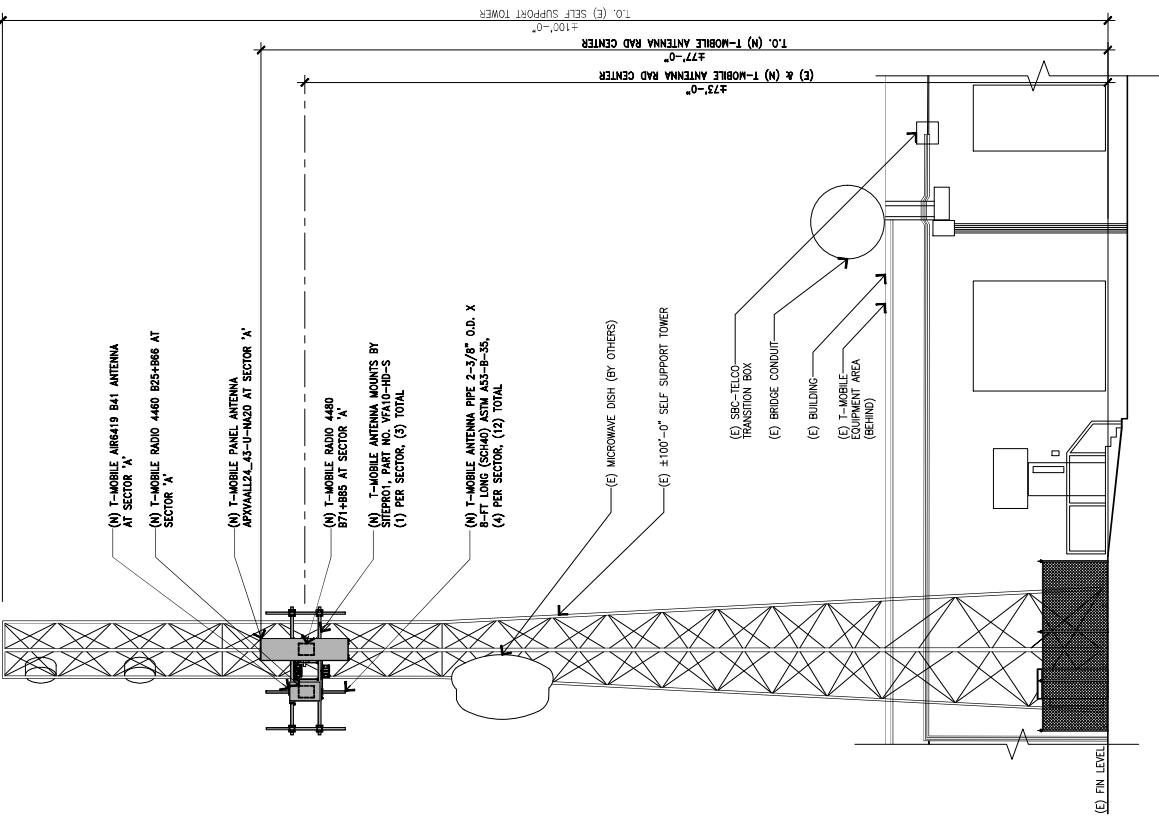
- (E) T-MOBILE PANEL ANTENNA 742215 TO BE REMOVED AT SECTOR 'C'
- (E) T-MOBILE GENERIC AWS/FCS DIPLEXER TO BE REMOVED AT SECTOR 'A'
- (E) T-MOBILE PANEL ANTENNA 742215 TO BE REMOVED AT SECTOR 'A'
- (E) MICROWAVE DISH (BY OTHERS)
- (E) ±100'-0" SELF SUPPORT TOWER

- (E) SRC-TELO TRANSITION BOX
- (E) BRIDGE CONDUIT
- (E) BUILDING
- (E) T-MOBILE EQUIPMENT AREA (BEHIND)



- (N) T-MOBILE AIR6419 B41 ANTENNA AT SECTOR 'A'
- (N) T-MOBILE RADIO 4480 B25+H86 AT SECTOR 'A'
- (N) T-MOBILE PANEL ANTENNA APWALL2A_3-J-H420 AT SECTOR 'A'
- (N) T-MOBILE RADIO 4480 B71+H85 AT SECTOR 'A'
- (N) T-MOBILE ANTENNA MOUNTS BY SPECTROL PANE NO. W4AD-HP-S (1) PER SECTOR, (3) TOTAL
- (N) T-MOBILE ANTENNA PIPE 2'-5/8" O.D. X 1/2" WALL THICKNESS AL-9-50, (4) PER SECTOR, (12) TOTAL
- (E) MICROWAVE DISH (BY OTHERS)
- (E) ±100'-0" SELF SUPPORT TOWER

- (E) SRC-TELO TRANSITION BOX
- (E) BRIDGE CONDUIT
- (E) BUILDING
- (E) T-MOBILE EQUIPMENT AREA (BEHIND)



TMO Signatory Level: L06

NLG-84278

SCALE: 3/8"=1'-0" 0' 1' 3' 5' 10'

(N) NORTH ELEVATION 2

(E) NORTH ELEVATION 1

Stick Together.
1855 GARDEN RD. SUITE 100
CONCORD, CA 94520

PROJECT INFORMATION:
 (MNC/OP)
SF71676M
SF71676M
 1550 MOFFETT ST.
 SAN FRANCISCO, CA 94116
 MONTEREY COUNTY

ISSUED FOR:
CONSTRUCTION

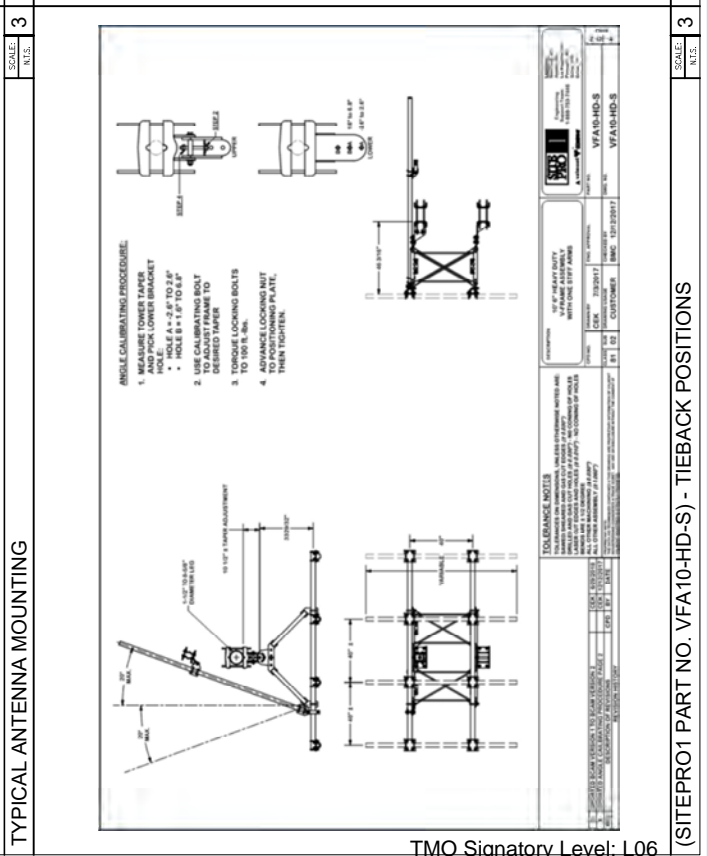
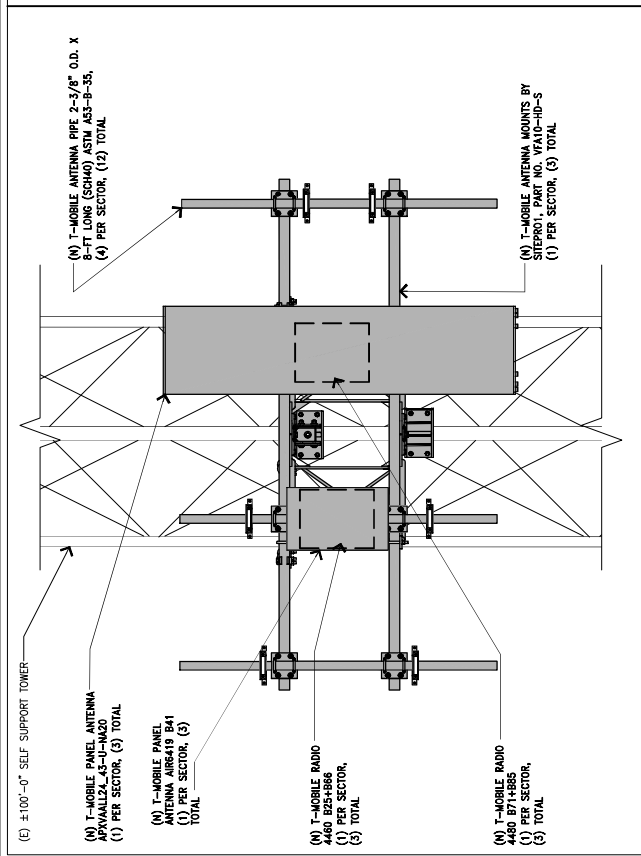
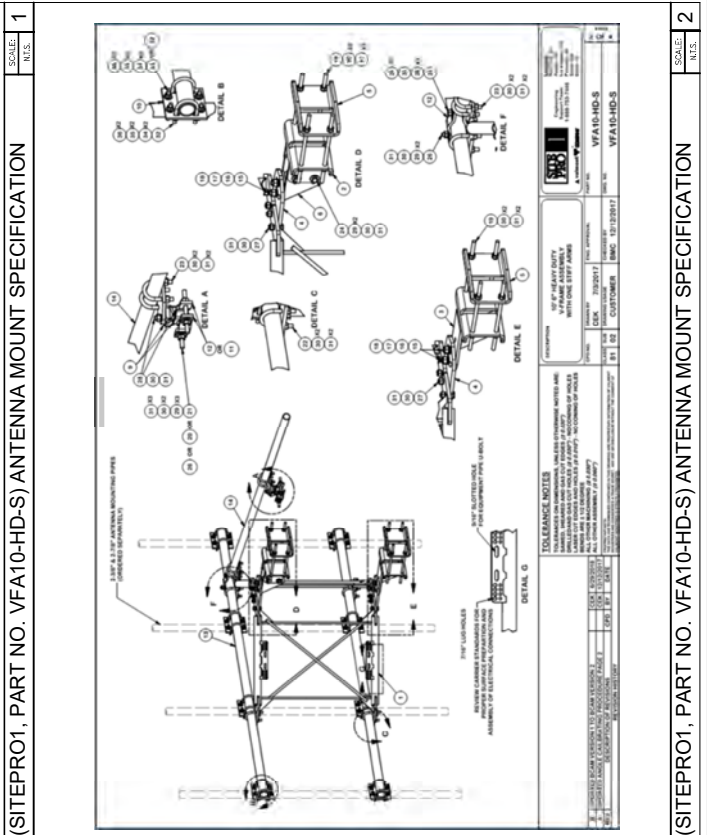
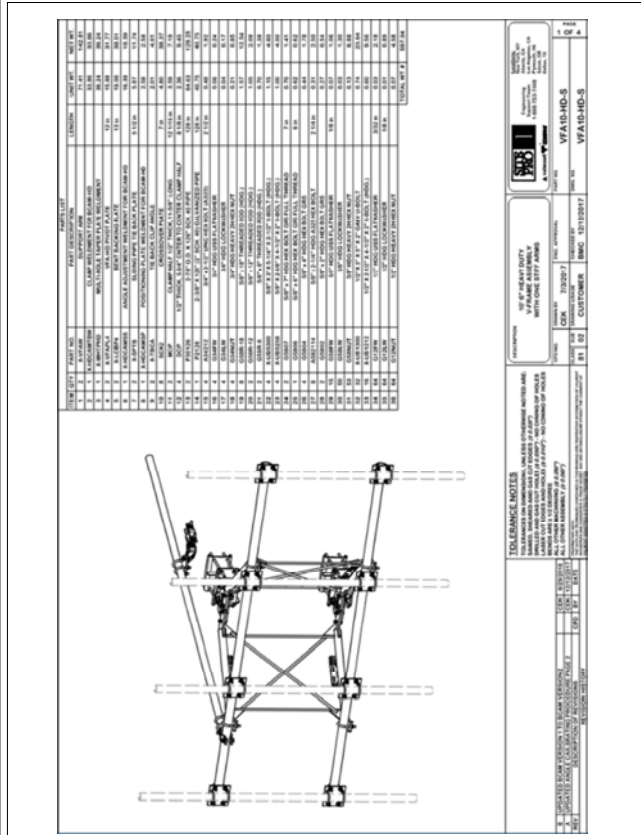
PLANS PREPARED BY:
advantage engineers
 7543 Woodley Ave. #201 Van Nuys, CA 91408
 Office (818) 8400208 Fax (818) 8400208

CONSULTANT:
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 7543 Woodley Ave. #201 Van Nuys, CA 91408
 Office (818) 8400208 Fax (818) 8400208

DRAWN BY: JEB
 CHECKED BY: APV
 LICENSE: JEB AB AB

SHEET TITLE:
DETAILS AND SPECIFICATIONS I

SHEET NUMBER:
D-1
 REVISION:
1
 SF71676M



T-Mobile
Stick Together.
1855 GARDEN RD. SUITE 100
COSTA MESA, CA 92626

PROJECT INFORMATION:

(M/N/C/P)
SF71676M
1550 MOFFETT ST.
SAN CARLOS, CA 95050
MONTREY, CALIFORNIA

CURRENT ISSUE DATE: 06/22/22

ISSUED FOR: CONSTRUCTION

REV. DATE DESCRIPTION BY

△	09/30/20	90% CD	RC
△	11/09/20	100% CD	JEB
△	06/22/22	REVISED REDS	JEB

PLANS PREPARED BY:

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CONSULTANT:

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DRAWN BY: JEB
CHK. BY: APV

LICENSE: JEB AB AB

SHEET TITLE: DETAILS AND SPECIFICATIONS II

SHEET NUMBER: D-2

REVISION: 1

SF71676M

AIR6419 B41 (MASSIVE MIMO)
WGT = 83.3 LBS

FRONT VIEW: 20.9" x 36.3"

SIDE VIEW: 9" x 36.3"

PLAN VIEW: 20.9" x 36.3"

Labels: ANTENNA MOUNTING HARDWARE (TOP), GALV. STEEL ANTENNA PIPE MAST, ANTENNA RAD CENTER, ANTENNA MOUNTING HARDWARE (BOT)

AIR6419 B41

- 192 ANTENNA ELEMENTS, 3:1 SUBARRAY
- UP TO 200MHz OPERATING BW & CARRIER BW
- UP TO 200MHz OPERATING BW & CARRIER BW
- RW 25dB/5 SFHC/2 AND TWO 10dB/5 QSPF (C1D AND C2 BACKLUP)
- 4B/45A TWO WIRE AND THREE WIRE VERSIONS
- AFC LIGHT CONNECTOR AND SELF TEST PUSH BUTTON
- SENSOR SUPPORT BUT UNFENDED
- DIMENSIONS = 11 x 11 x 11 (83.3lbs)
- WEIGHT (ANTENNA ONLY)
- VOLUME : 95 LITER

PSU 4813 DETAIL

SCALE: N.T.S.

PSU 4813

VOLTAGE BOOSTER
DIMENSIONS: WxDxH: 19"x14.3"x1.7"
WEIGHT: 1.87 LBS
INPUT VOLTAGE: 38 TO 56.5 VOLTS
OUTPUT VOLTAGE: 200A, 40A OR 50A
FUSE RATING:

ERICSSON XMU MULTIPLEXER

SCALE: N.T.S.

UNIT	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KG)
XMU 02 01	30	350	282	2.1

Labels: DC POWER SUPPLY, NOMINAL VOLTAGE: -48VDC, MAX. CURRENT: 6.5 DEG C, DIMENSION: 19" W x 13.56" D, WEIGHT: 17.21 lbs

RADIO 4460 B25+B66 PRODUCT DESCRIPTION

SCALE: N.T.S.

Spectrum Bands	B71 (600 MHz) and B85A (700 MHz)
Technology	LTE, NR and NB-IoT
Max Output Power	Up to 4x80W in total without fan Up to 4x100W in total with fan B71: max 4x60W / B85: max 4x40W Full IBW on both B71 and B85A
Instantaneous BW	B71: 663-698 MHz UL / 617-652 MHz DL B85A: 698-715 MHz UL / 718-745 MHz DL
RF Connector	4.3-10
Optical Ports	2 x 10G CPRI
DC Feed	-48 V DC power connector
Max Power Consumption	Max 1400W / Typical 980W (*ETSI Busy Hour)
Dimensions* (H x W x D)	21.8 x 15.7 x 7.5" (incl. protrusions) w/o an optional fan - not required for T-Mobile deployment scenarios
Weight	84 lbs

RADIO 4480 B71+B85 PRODUCT DESCRIPTION

SCALE: N.T.S.

Labels: DC POWER CABLES TO ANTENNAS OR RRUS, 2" NPT MTL GLAND, HCS 6x24 CABLE, CANISTER BODY, TECHOMETT, FIBER JUMPERS TO ANTENNAS OR RRUS

Outer Dia. (Inch)	Nominal	WTS	RCS
1.87	1.79	1.99	1.99
2.27	2.65	2.5	2.5
6 (AWG)	6 (AWG)	6 (AWG)	6 (AWG)
SM	SM	SM	SM
24	24	24	24
00040g	00040g	00040g	00040g
BLG	BLG	BLG	BLG



PROJECT INFORMATION:
 (ARCH/DR) SF71676M
 SF71676M
 1550 MOFFETT ST.
 SAN FRANCISCO, CA 94116
 MONTEREY COUNTY

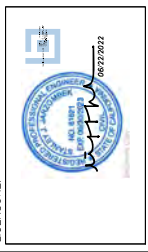
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CONSTRUCTION

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DRAWN BY: JEB
 CHK'D BY: APV



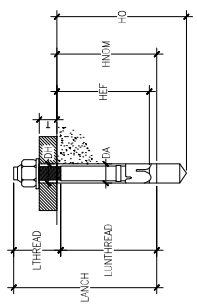
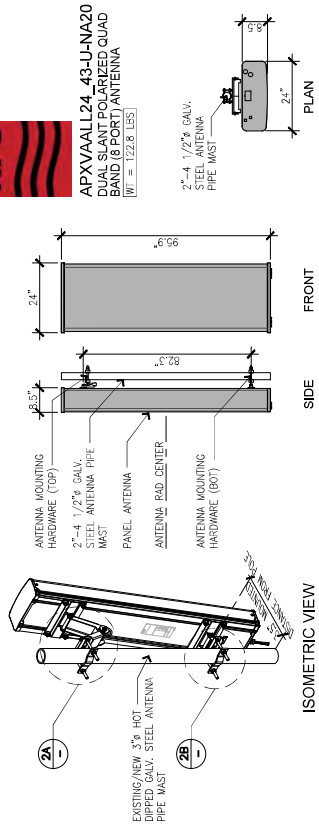
SHEET TITLE:
DETAILS AND SPECIFICATIONS II

SHEET NUMBER: **D-3**
 REVISION: 1
 SF71676M

ELECTRICAL SPECIFICATIONS	
IMPEDANCE	50.0
POLARIZATION	4pmx45
MECHANICAL SPECIFICATIONS	
DIMENSIONS - H x W x D	24.56 x 6.09 x 2.15 (72 x 24 x 8.5)
WEIGHT (ANTENNA ONLY)	45.7 (92.6)
WEIGHT W/O MIG HARDWARE	12.3 (27.1)
SHIPPING WEIGHT	37.9 (77.1)
CONNECTOR TYPE	8 X 4.3-10 FEMALE AT BOTTOM + 6 ASS. CONNECTORS (3 MALE, 3 FEMALE)
ADJUSTMENT MECHANISM	INTEGRATED SET SOLUTION ASS. COMPLIANT (FIELD REPLACEABLE) + MANUAL OVERRIDE + EXTERNAL TILT INDICATOR
MOUNTING HARDWARE MATERIAL	GALVANIZED STEEL
FINISH / COLOR	FIBER GLASS / LIGHT GREY RAL7035
TESTING AND ENVIRONMENTAL	
TEMPERATURE RANGE	-40 TO 60 (-40 TO 140)
UV PROTECTION	D3 COLOURED
SURVIVAL RATE WIND VELOCITY	240 (150)
ENVIRONMENTAL	ETSI 300-019-2+ CLASS 4, 1E



APXVAALL24_43-U-NA20
 DUAL SLANT POLARIZED QUAD BAND (8 PORT) ANTENNA
 WF = 122.8 LBS



INSTALLATION DETAILS FOR POST-INSTALLED ANCHORS	
ANCHOR TYPES	HILTI HE=122 STAINLESS STEEL
ANCHOR DIAMETER, ØA (in)	0.500
ANCHOR EMBEDMENT DEPTH, HEF (in)	3.750
MINIMUM EMBEDMENT HATCH, H (in)	3.750
MINIMUM DRILL HOLE DEPTH, HD (in)	4.250**
MINIMUM CONCRETE SLAB THICKNESS, TOCN (in)	5.00*
REQUIRED INSTALLATION TORQUE	40 FT-LB

*NOTIFY FOR IF MATERIAL THICKNESS DOES NOT MEET MINIMUM VALUES SPECIFIED.
 **HAMMER DRILL HOLE IN CONCRETE BASE MATERIAL AND CLEAN HOLE PER MANUFACTURER'S SPECIFICATIONS

- INSTALLATION NOTES FOR POST-INSTALLED ANCHORS:
- CENTER OF ANCHORS TO HAVE A MINIMUM OF 12" DISTANCE TO CONCRETE EDGES/SEAMS AND OTHERS EXISTING OR ABANDONED ANCHORS.
 - CONTRACTOR SHALL FIELD VERIFY CONCRETE STRENGTH.
 - CONTRACTOR SHALL SCAN FOR AND LOCATE EXISTING REBAR BEFORE DRILLING. DO NOT CUT OR DAMAGE FOUNDATION REBAR. IF REBAR IS LOCATED, CONTRACTOR SHALL MAKE MINOR ADJUSTMENT TO ANCHOR LOCATION MAY BE REQUIRED.
 - CONTRACTOR SHALL USE EQUIPMENT MANUFACTURER'S INSTALLATION LAYOUT AND MANUAL CLEANING OF ANCHORS REQUIRED. DURING INSTALLATION OF ANCHORS REQUIRED ACCORDING TO ANCHOR EVALUATION REPORT NO. ESR-4294, CC-ES ABANDONED ANCHORS TO BE REMOVED OR CUT FLUSH WITH CONCRETE SURFACE. ANY REMAINING MOLD SHALL BE FILLED WITH MIL-HIT - RE 500 V3 EPOXY (CC ESR NO.3874).

(N) CABINET ANCHORAGE DETAIL 1 SCALE: NO SCALE 1 APXVAALL24_43-U-NA20 ANTENNA SPECIFICATION 2 SCALE: 1/2" = 1'-0" 2



PROJECT INFORMATION:
 (ANALYST)
SF71676M
SF71676M
 1550 MOFFETT ST.
 SAN FRANCISCO, CA 94035
 MONTEREY, CALIFORNIA

CURRENT ISSUE DATE:
06/22/22

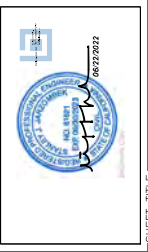
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CONSTRUCTION

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3	06/22/22	REVISED REDS	JEB



PLANS PREPARED BY:
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 7543 Woodley Ave., #201 Van Nuys, CA 91410
 Office (818) 844-0208 Fax (818) 844-0208



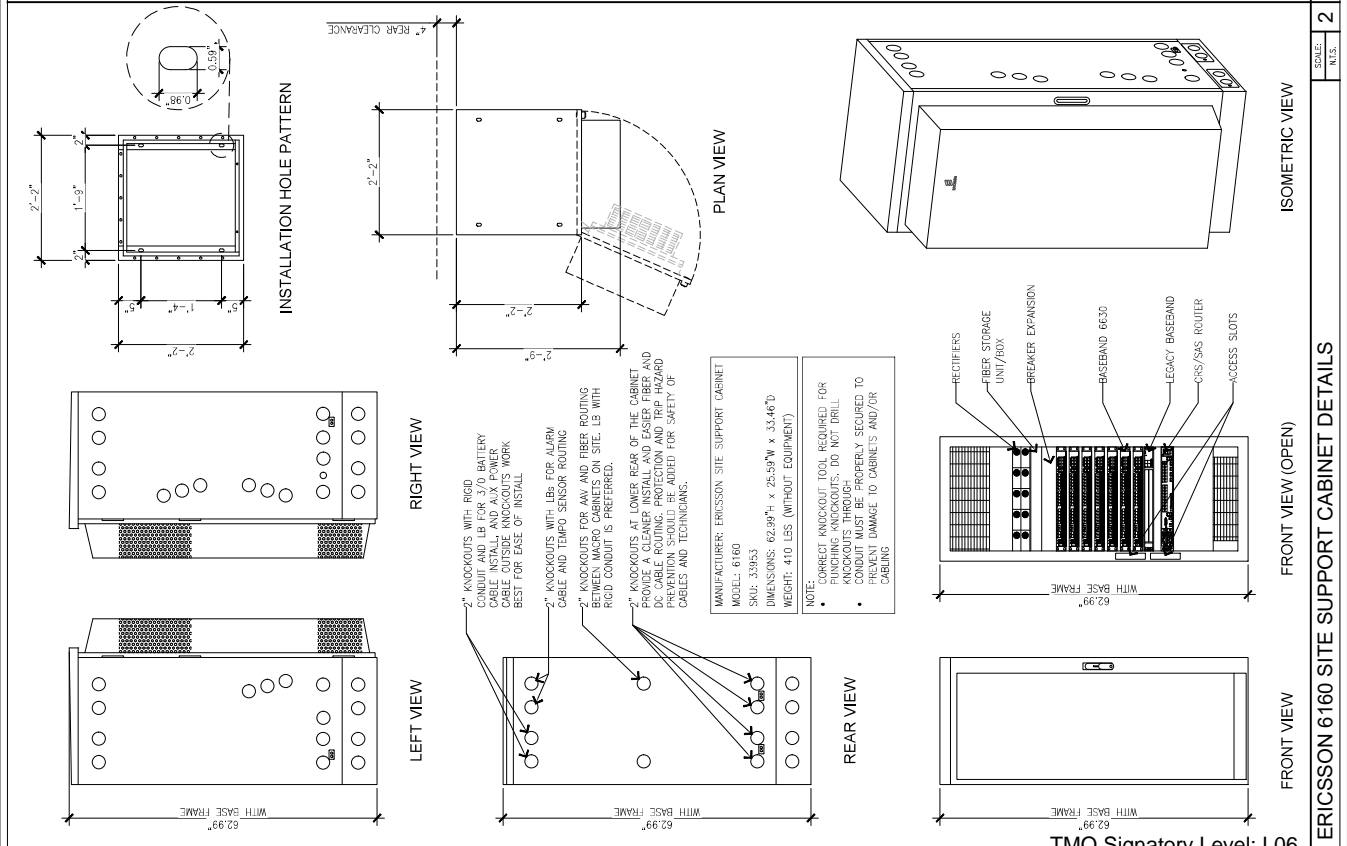
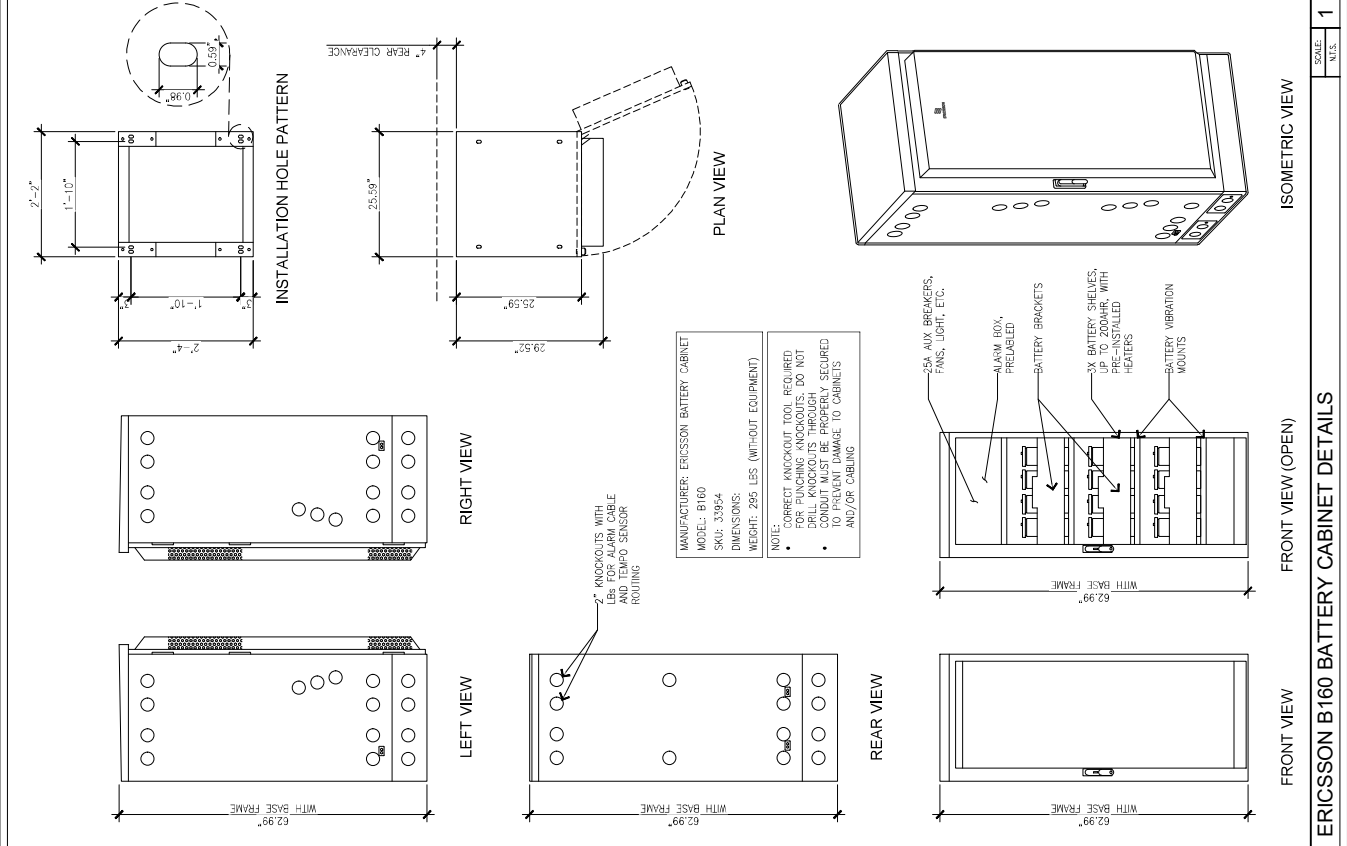
DRAWN BY: JEB
 CHECKED BY: APV
 LICENSE: JEB AB AB


SHEET TITLE:
DETAILS AND SPECIFICATIONS IV

SHEET NUMBER:
D-4

REVISION:
1

SF71676M





1855 CATERWAY RD. SUITE 100
CONCORD, CA 94520

PROJECT INFORMATION:


(M) MOBILE
SF71676M
1500 MOFFETT ST.
SAN CARLOS, CA 94060
MONTEREY COUNTY


CURRENT ISSUE DATE:
06/22/22

ISSUED FOR:
CONSTRUCTION


REV. DATE DESCRIPTION BY:

△	09/30/20	90% CD	RC
△	11/09/20	100% CD	JEB
△	06/22/22	REVISED REDS	JEB

PLANS PREPARED BY:
 advantage engineers
7540 Woodley Ave. #201 Van Nuys, CA 91408
Office (818) 342-0208 Fax (818) 342-0208

CONSULTANT:
 advantage engineers
7540 Woodley Ave. #201 Van Nuys, CA 91408
Office (818) 342-0208 Fax (818) 342-0208

DRAWN BY: JEB
CHK.: APV.

LICENSURE:


SHEET TITLE:
GROUNDING NOTES AND DETAILS

SHEET NUMBER: **G-1**
REVISION: 1
SF71676M

NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND
- ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
- TYPICAL FACTORY MADE JUMPERS ONLY

(E) ±100'-0" SELF SUPPORT TOWER

(M) T-MOBILE ANTENNA PIPE 2-3/8" O.D. X 8-FT LONG (SCH40) ASTM A53-B-35
(4) PER SECTOR, (12) TOTAL

(M) T-MOBILE RADIO 4460 B23-H86
(1) PER SECTOR, (3) TOTAL

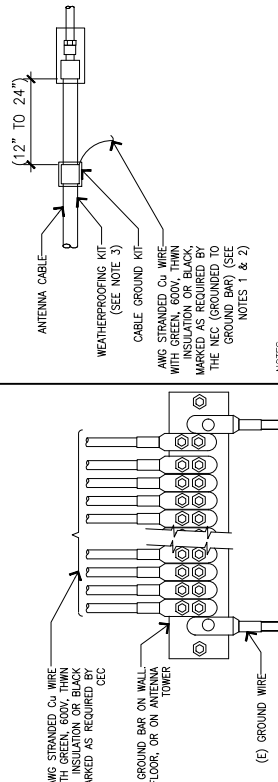
(M) T-MOBILE ANTENNA 841 ANTENNA
(1) PER SECTOR, (3) TOTAL

(M) T-MOBILE ANTENNA MOUNTS BY SYSTEM BAR W/ GALV. HD-S
(1) PER SECTOR, (3) TOTAL

#6 AWG STRANDED COPPER GROUND WIRE W/ GREEN, 600V, MINIMUM TENSILE (PART OF TYP. GROUND KIT)

EXISTING SOLID COPPER GROUND BAR, BOND TO MGB TO MASTER GROUND BAR

TYPICAL ANTENNA GROUNDING



ANTENNA CABLE

WEATHERPROOFING KIT (SEE NOTE 3)

CABLE GROUND KIT

AWG STRANDED Cu WIRE WITH GREEN, 600V MINIMUM TENSILE, MARKED AS REQUIRED BY THE NEC (GROUNDED TO GROUND BAR) (SEE NOTES 1 & 2)

GROUND BAR ON WALL, FLOOR, OR ON ANTENNA TOWER

(E) GROUND WIRE

NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- WEATHERPROOFING SHALL BE (TYPE AND PART NUMBER) AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER AND APPROVED BY CONTRACTOR

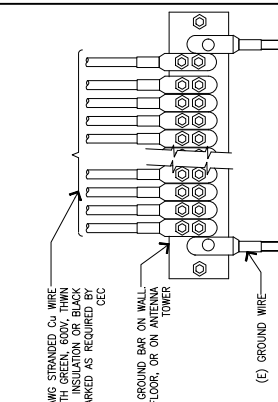
NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND OTHER) SHALL BE INSTALLED IN ACCORDANCE WITH THE CEC.
- METAL RACKWAYS SHALL NOT BE USED AS THE GEC. REQUIRED EQUIPMENT GROUND CONDUCTOR STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTI-OXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE W/ THE CEC.
- METAL CONDUIT AND TRAY SHALL BE BONDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS

SYMBOLS:

- ☒ GROUND TEST WELL
- ⊗ GROUND ROD
- COMPRESSION / MECHANICAL TYPE CONNECTION
- CADWELD TYPE CONNECTION
- GROUND WIRE
- GROUND BAR

TYPICAL ANTENNA GROUNDING



#6AWG STRANDED Cu WIRE WITH GREEN, 600V MINIMUM TENSILE, MARKED AS REQUIRED BY CEC

GROUND BAR ON WALL, FLOOR, OR ON ANTENNA TOWER

(E) GROUND WIRE

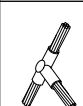
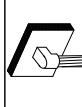

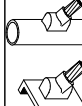

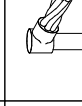
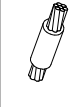
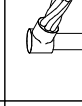
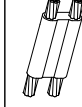

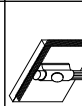
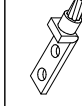
NOTES:

- APPLY NC-001 TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLUG.
- IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT T-MOBILE CM

NOT USED

SCALE: N.T.S.

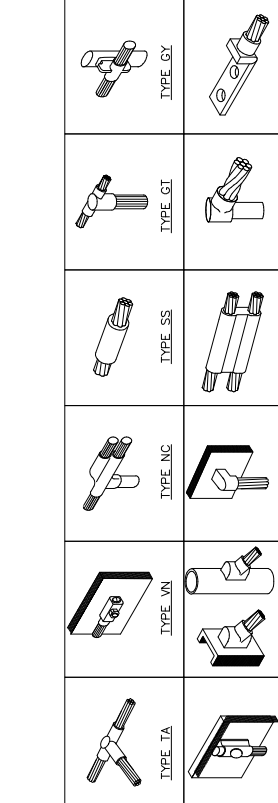
NOTES AND SYMBOLS

	TYPE TA		TYPE VB
	TYPE VN		TYPE VS
	TYPE NG		TYPE GR
	TYPE SS		TYPE GI
	TYPE ET		TYPE GX
	TYPE VV		TYPE GL

NOT USED

SCALE: N.T.S.

TYPICAL CADWELD CONNECTIONS



NOT USED

SCALE: N.T.S.

TYPICAL ANTENNA GROUNDING

SCALE: N.T.S.

NOT USED

SCALE: N.T.S.

GROUNDING KIT

SCALE: N.T.S.

NOT USED

SCALE: N.T.S.

GROUND CONDUCTOR TO GROUND BAR

SCALE: N.T.S.

NOT USED

SCALE: N.T.S.

GROUNDING KIT

SCALE: N.T.S.

EXHIBIT B-2

ASSISTANT SECRETARY'S CERTIFICATE OF AUTHORIZATION

[SEE ATTACHED]



ASSISTANT SECRETARY'S CERTIFICATE OF AUTHORIZATION

I, Frederick Williams, do hereby certify that I am a duly elected and acting Assistant Secretary of T-Mobile USA, Inc., a Delaware corporation, and the business entities listed on Exhibit B (collectively, the "T-Mobile Subsidiaries", together "T-Mobile") and have access to the records and minutes of T-Mobile.

I further certify that, based on information provided to me and subject to the applicable contracting policy, including without limitation, the Delegation of Authority Policy of T-Mobile, Rachelle Lam, Senior Director, Engineering Development, is authorized to execute the agreements and documents relating to individual cell site (macro) lease and license agreements and amendments thereto, and the ancillary agreements and documents listed on Exhibit A, on behalf of the T-Mobile Subsidiaries.

DATED: 5/8/2023 | 9:23 AM PDT

T-Mobile USA, Inc.
T-Mobile Subsidiaries

DocuSigned by:
Frederick Williams

0B00440B13EF4B7...

Frederick Williams
Assistant Secretary



Exhibit A

The following ancillary documents are authorized for signature to the extent related to an individual cell site (macro)¹:

- Affidavits/Pleadings required to support litigation or zoning/permitting applications
- Bill of Sale (for equipment being left for the landlord or a third party after T-Mobile vacates a site)
- Cost Share Agreements, including the development and construction of sites for a municipality (RFP for new site builds/structure modifications)
- COW/COLT Agreements
- Easements
- Entry and Testing Agreements
- Generator Agreements
- Indemnification agreements relating to permits
- Indemnification agreements/authorizations for utility to install equipment above power lines
- Memorandum of Lease (MOL) and release of MOL
- Microwave Agreements
- RFPs from municipalities/government agencies for cell site leases (non-binding agreements only)
- Settlement agreements for back rent/utilities or property damage
- Single site agreements including site leases/licenses/subleases/sublicenses, amendments, consent agreements, temporary relocation/reimbursement agreements, utility use agreements, lease termination agreements/pay and walk agreements, but not lease termination notices or notices of non-renewal
- Various forms required when dealing with federal, state, or local government agencies
- Zoning or Permit Approvals that need to be countersigned by any of the entities in Exhibit B

¹ The Delegate is also authorized to execute non-Excluded Agreements listed on this Exhibit A in connection with the implementation of initiatives led by T-Mobile's Procurement and Alternative Coverage Solutions teams, e.g., small cells, distributed antenna systems (DAS), and in-building agreements.

Exhibit B

- Clear Wireless, LLC
- MetroPCS California, LLC
- MetroPCS Nevada, LLC
- Nextel South Corp.
- Nextel West Corp.
- Sprint LLC
- Sprint PCS Assets, L.L.C.
- Sprint Solutions LLC
- Sprint Spectrum LLC
- Sprint Spectrum Realty Company, LLC
- SprintCom LLC
- T-Mobile West LLC



ASSISTANT SECRETARY'S CERTIFICATE OF AUTHORIZATION

I, Frederick Williams, do hereby certify that I am a duly elected and acting Assistant Secretary of T-Mobile USA, Inc., a Delaware corporation, and the business entities listed on Exhibit B (collectively, the "T-Mobile Subsidiaries", together "T-Mobile") and have access to the records and minutes of T-Mobile.

I further certify that, based on information provided to me and subject to the applicable contracting policy, including without limitation, the Delegation of Authority Policy, of T-Mobile, Geri Roper, Director, Network Engineering and Operations, is authorized to execute the ancillary agreements and documents listed in Exhibit A on behalf of the T-Mobile Subsidiaries.

DATED: June 20, 2023

T-Mobile USA, Inc.
T-Mobile Subsidiaries

DocuSigned by:
Frederick Williams
0B00440B13EF4B7...

Frederick Williams
Assistant Secretary



12920 SE 38th Street, Bellevue, WA 98006
www.t-mobile.com



Exhibit A

The following ancillary documents are authorized for signature to the extent related to an individual cell site (macro)¹:

Affidavits/Pleadings required to support litigation or zoning/permitting applications

Bill of Sale (for equipment being left for the landlord or a third party after T-Mobile vacates a site)

Cost Share Agreements, including the development and construction of sites for a municipality (RFP for new site builds/structure modifications)

COW/COLT Agreements

Easements

Entry and Testing Agreements

Generator Agreements

Indemnification agreements relating to permits

Indemnification agreements/authorizations for utility to install equipment above power lines

Memorandum of Lease (MOL) and release of MOL

Microwave Agreements

RFPs from municipalities/government agencies for cell site leases (non-binding agreements only)

Settlement agreements for back rent/utilities or property damage

Single site agreements including site leases/licenses/subleases/sublicenses, amendments, consent agreements, temporary relocation/reimbursement agreements, utility use agreements, lease termination agreements/pay and walk agreements, but not lease termination notices or notices of non-renewal

Various forms required when dealing with federal, state, or local government agencies

Zoning or Permit Approvals that need to be countersigned by any of the T-Mobile Entities

Excluded Agreements: The following documents can only be executed by T-Mobile Procurement or Property Management personnel with the required signing authority:

- National/Regional Master Lease and BTS Agreements/Amendments
- Distributed Antenna System (DAS) Agreements
- In-Building Agreements and Tfb Agreements
- Small Cell Agreements
- Estoppels
- SNDAs
- Lease termination notices or notices of non-renewal
- Bonds
- Any agreement that needs to be executed on behalf of T-Mobile USA, Inc.
- Tfb Agreements

¹ The Delegate is also authorized to execute non-Excluded Agreements listed on this Exhibit A in connection with the implementation of initiatives led by T-Mobile's Procurement and Alternative Coverage Solutions teams, e.g., small cells, distributed antenna systems (DAS), and in-building agreements.



12920 SE 38th Street, Bellevue, WA 98006
www.t-mobile.com



Exhibit B

T-Mobile Region:	West
T-Mobile Entities Authorized:	Clear Wireless LLC MetroPCS California, LLC MetroPCS Nevada, LLC Nextel South Corp. Nextel West Corp. Sprint LLC Sprint PCS Assets, L.L.C. Sprint Solutions LLC Sprint Spectrum LLC Sprint Spectrum Realty Company, LLC SprintCom LLC T-Mobile West LLC



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