T-MOBILE SITE NUMBER: PH10928B

SCOTTSDALE RANCH T-MOBILE SITE NAME:

PH10928B T-MOBILE PROJECT:

827533 **BUSINESS UNIT #:**

10580 N. 100TH ST. **SITE ADDRESS:** SCOTTSDALE, AZ 85258 **MARICOPA COUNTY:**

MONOPALM SITE TYPE:

45'-0" **TOWER HEIGHT:**

F - Mobile TEMPE, AZ 85282





T-MOBILE SITE NUMBER: PH10928B

BU #: **827533** SCOTTSDALE RANCH

10580 N. 100TH ST. SCOTTSDALE, AZ 85258

EXISTING 45'-0" MONOPALM

ISSUED FOR:						
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3	10/12/21	MM	JDX COMMENTS	JD		
4	11/11/21	NP	JDX COMMENTS	CW		
5	01/13/22	NP	CLIENT COMMENTS	CW		

SITE INFORMATION

SCOTTSDALE RANCH

CROWN CASTLE USA INC.

SITE NAME:

SITE ADDRESS: 10580 N. 100TH ST. SCOTTSDALE, AZ 85258

COUNTY: MARICOPA 217-35-323A MAP/PARCEL #: AREA OF CONSTRUCTION: EXISTING 33° 34' 55.60" LATITUDE: -111° 51' 55.90" LONGITUDE: NAD83 LAT/LONG TYPE: 1375'-0" GROUND ELEVATION: CURRENT ZONING:

JURISDICTION: SCOTTSDALE

OCCUPANCY CLASSIFICATION: U TYPE OF CONSTRUCTION:

A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR

HUMAN HABITATION SCOTTSDALE RANCH COMMUNITY ASSOC

PROPERTY OWNER: 10580 N 100TH ST

SCOTTSDALE AZ 85258

TOWER OWNER:

A&E FIRM:

CROWN CASTLE

CONTACTS:

USA INC. DISTRIC

CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317

CARRIER/APPLICANT:

T-MOBILE

PROJECT TEAM

3450 N HIGLEY RD, SUITE 102

PENDING - PROJECT MANAGER

CWOLFE@TELCYTE.COM

2055 S. STEARMAN DRIVE

CHANDLER, AZ 85286

MESA, AZ 85215

PENDING

PENDING

(919) 440-2057

TELCYTE INFRASTRUCTURE SERVICES

PENDING - CONSTRUCTION MANAGER

CHRISTOPHER CARRANCHO - A&E SPECIALIST

CHRISTOPHER.CARRANCHO@CROWNCASTLE.COM

2625 S PLAZA DRIVE #400 TEMPE, AZ 85282

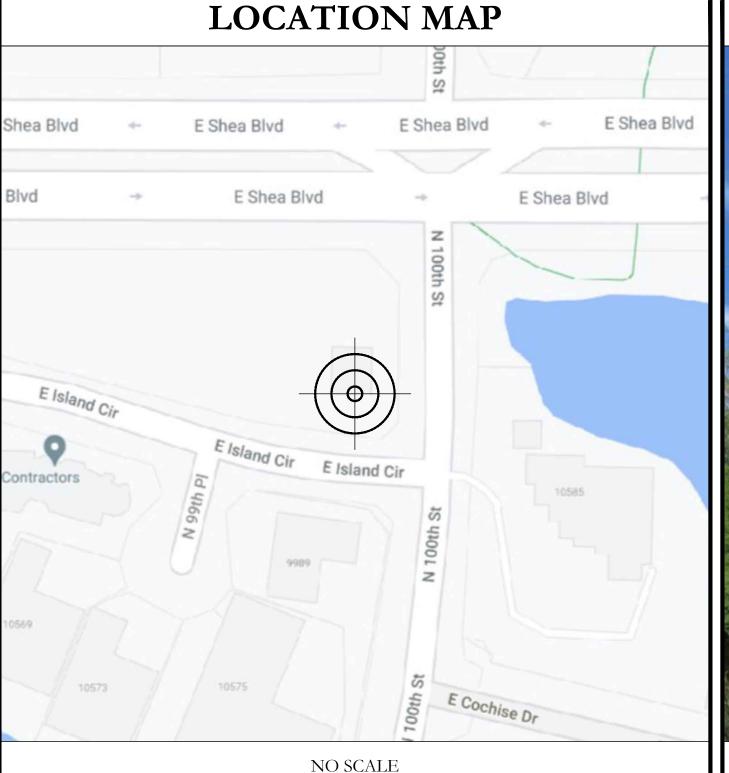
ELECTRIC PROVIDER: APS

602-371-6767 TELCO PROVIDER: CENTURY LINK 855-778-3066

SHEET# SHEET DESCRIPTION TITLE SHEET GENERAL NOTES OVERALL SITE PLAN EXISTING SITE PLAN FINAL EQUIPMENT PLAN EXISTING & FINAL ELEVATIONS EXISTING & FINAL ANTENNA PLANS FINAL EQUIPMENT SCHEDULE EQUIPMENT SPECS EQUIPMENT SPECS EQUIPMENT SPECS EQUIPMENT SPECS ELECTRICAL PLAN SINGLE-LINE, AC PANEL SCHEDULE GROUNDING DETAILS ATTACHED PLUMBING DIAGRAM

DRAWING INDEX

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALI IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME



SITE PHOTO

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

- TOWER SCOPE OF WORK:
- REMOVE (3) RRHs
- REMOVE (6) TMAS
- REMOVE (12) COAX CABLES (7/8")
- REMOVE (3) RFS ANTENNAS
- RELOCATE (3) ANTENNAS
- REPLACE (3) FACE HORIZONTAL PIPES WITH (3) SCH40 8'-0" LONG 3" PIPES
- REPLACE EXISTING FRONDS AS NEEDED PER JURISDICTIONAL REQUIREMENTS
- INSTALL (6) ANTENNAS
- INSTALL (3) RRHs
- INSTALL (3) TMAS
- INSTALL (3) NEW 2-7/8" MAST PIPES
- INSTALL (2) JUNCTION BOX
- INSTALL (2) HYBRID CABLES (1-1/2") • INSTALL NEW PALM FROND ANGLE
- **ADAPTERS** • INSTALL NEW ANTENNA SHROUDS ON OCTO AND QUAD ANTENNAS

PAINT NEW ANTENNAS TO MATCH EXISTING

GROUND SCOPE OF WORK:

- REMOVE (2) EXISTING AUXILIARY RACKS
- REMOVE (1) EXISTING POWER PLANT RACK W/BATTERIES
- INSTALL (1) NEW INDOOR BATTERY RACK
- INSTALL (1) NEW INDOOR RACK W/400A ALPHA POWER PLANT
- INSTALL (2) NEW AMIA CHASSIS
- INSTALL 200A SUB PANEL

CONTACT INSPECTION DEPARTMENT IN SCOTTSDALE FOR PRE-CON MEETING NOTE TO DESIGNER: ANTENNAS AND MOUNTS SHOULD BE DESIGNED TO BE lackbreakAS CLOSE TO THE POLE AS POSSIBLE.

PRE-CONSTRUCTION MEETING REQUIRED, CONTACT CITY OF SCOTTSDALE INSPECTION SERVICES 480-312-5796.

•PIPE MOUNTS TO BE TRIMMED TO BE NO LONGER THAN THE

- •IF CABLES ARE ATTACHED FROM THE BOTTOM RATHER THAN THE BACK, THEY MUST BE COVERED IN A SHROUD. • EMPTY PIPE MOUNTS MUST BE REMOVED.
- ANTENNAS AND RRHS MUST BE PAINTED TO MATCH THE POLE AND OTHER EQUIPMENT. COLOR: GREEN TO MATCH EXISTING ANTENNAS AND
- •FROND COUNTS FROM THE LARSON PROPOSAL DOCUMENT (68 TOTAL DOUBLE TETHERED FRONDS)

APPLICABLE CODES/REFERENCE DOCUMENTS

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:

CODE TYPE 2018 IBC BUILDING MECHANICAL 2018 IMC 2017 NEC ELECTRICAL 2018 IFC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: BY OTHERS DATED:

MOUNT ANALYSIS: KCI TECHNOLOGIES, INC.

DATED: 09/08/2021

RFDS REVISION: 4 DATED: 4/19/2021

ORDER ID: 558098 REVISION: 0



CALL ARIZONA ONE CALL (800) 782-5348 CALL 3 WORKING DAYS BEFORE YOU DIG!

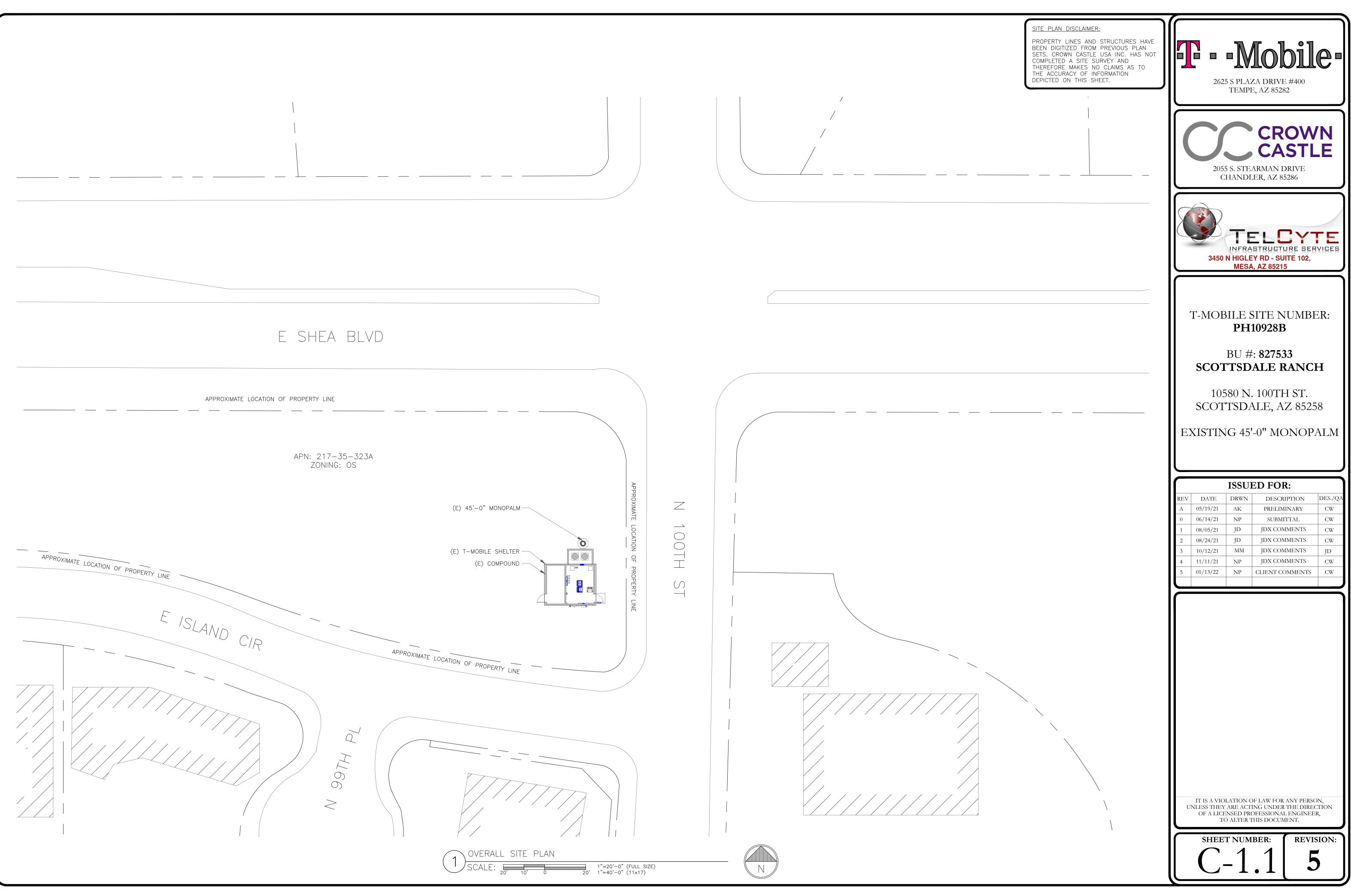


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

REVISION:

PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.



2625 S PLAZA DRIVE #400 TEMPE, AZ 85282



CHANDLER, AZ 85286



T-MOBILE SITE NUMBER: PH10928B

BU #: **827533** SCOTTSDALE RANCH

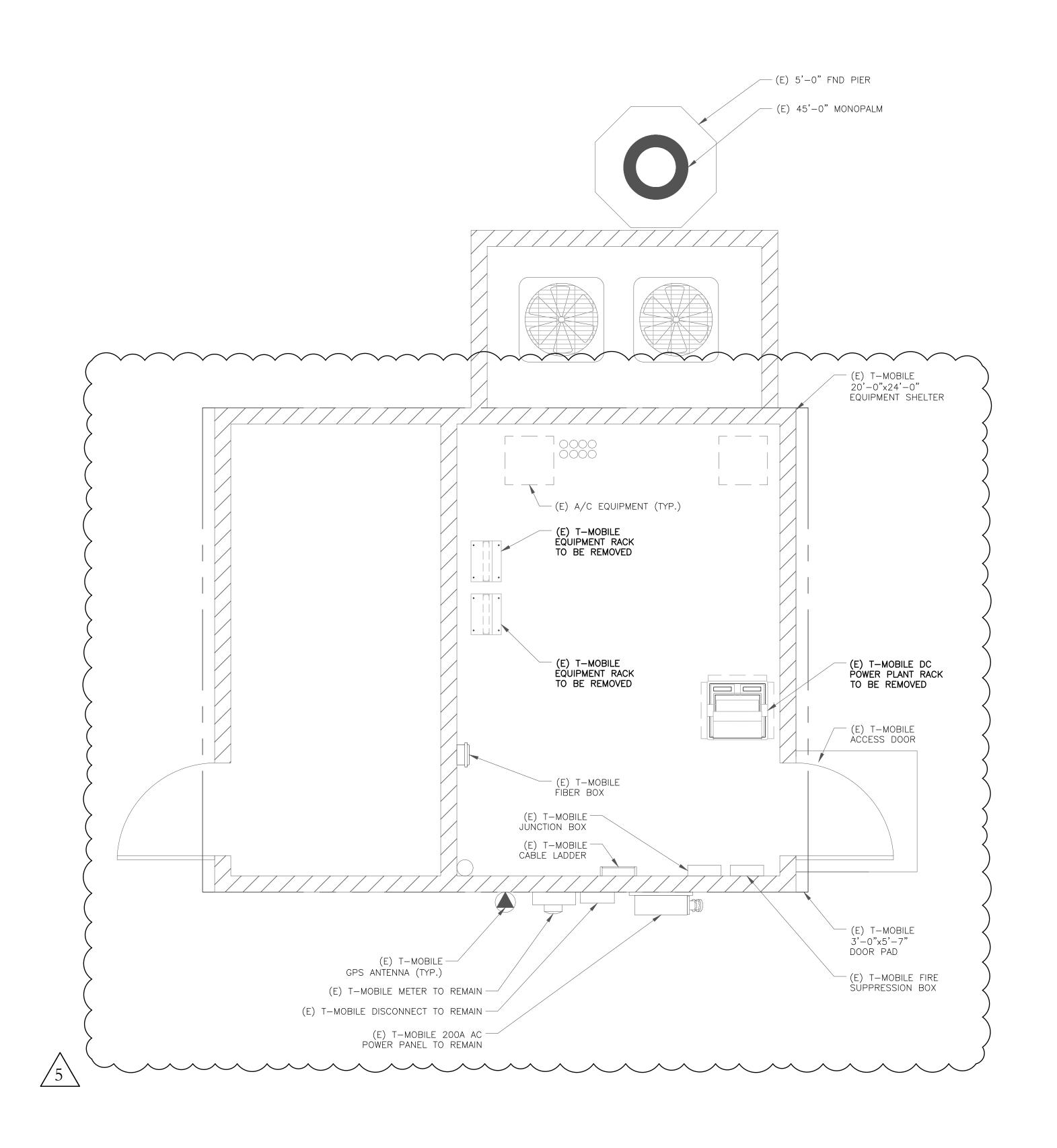
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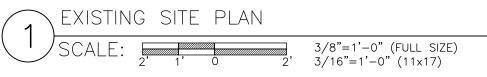
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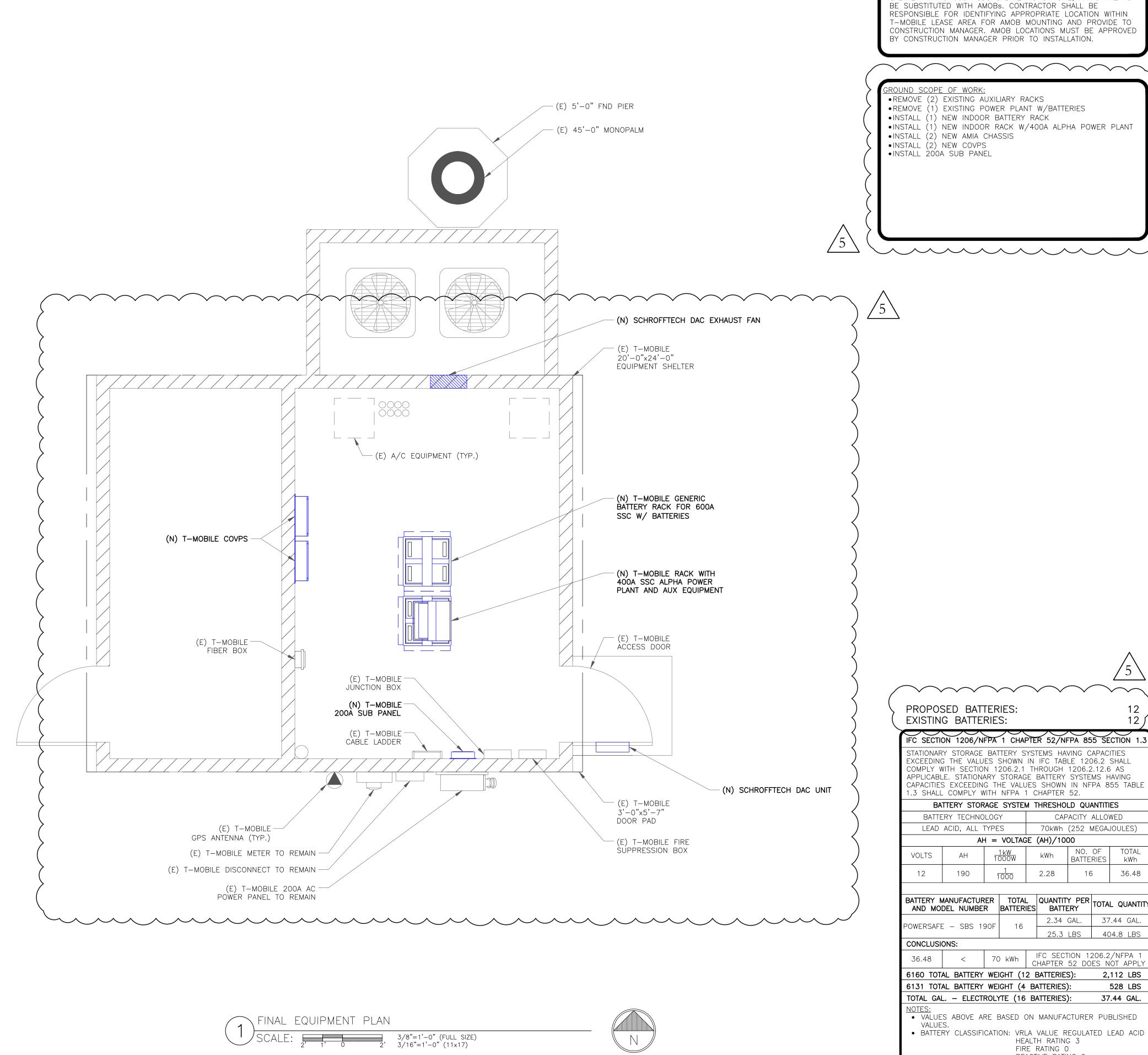
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INSTALLER NOTE:

AMIAS ARE TO BE INSTALLED INTERNALLY IN THE 600A SSC CABINET. IF NO 600A SSC CABINET IS ON SITE, AMIAS ARE TO BE SUBSTITUTED WITH AMOBS. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING APPROPRIATE LOCATION WITHIN T-MOBILE LEASE AREA FOR AMOB MOUNTING AND PROVIDE TO CONSTRUCTION MANAGER. AMOB LOCATIONS MUST BE APPROVED BY CONSTRUCTION MANAGER PRIOR TO INSTALLATION.



2625 S PLAZA DRIVE #400 TEMPE, AZ 85282



CHANDLER, AZ 85286



MESA, AZ 85215

T-MOBILE SITE NUMBER: PH10928B

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10580 N. 100TH ST. SCOTTSDALE, AZ 85258

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NO. OF TOTAL BATTERIES kWh 190 2.28 36.48 BATTERY MANUFACTURER TOTAL QUANTITY PER TOTAL QUANTITY

AH = VOLTAGE (AH)/1000

CAPACITY ALLOWED

70kWh (252 MEGAJOULES)

2.34 GAL. 37.44 GAL.

404.8 LBS

528 LBS

IFC SECTION 1206.2/NFPA 1 CHAPTER 52 DOES NOT APPLY 70 kWh 2,112 LBS

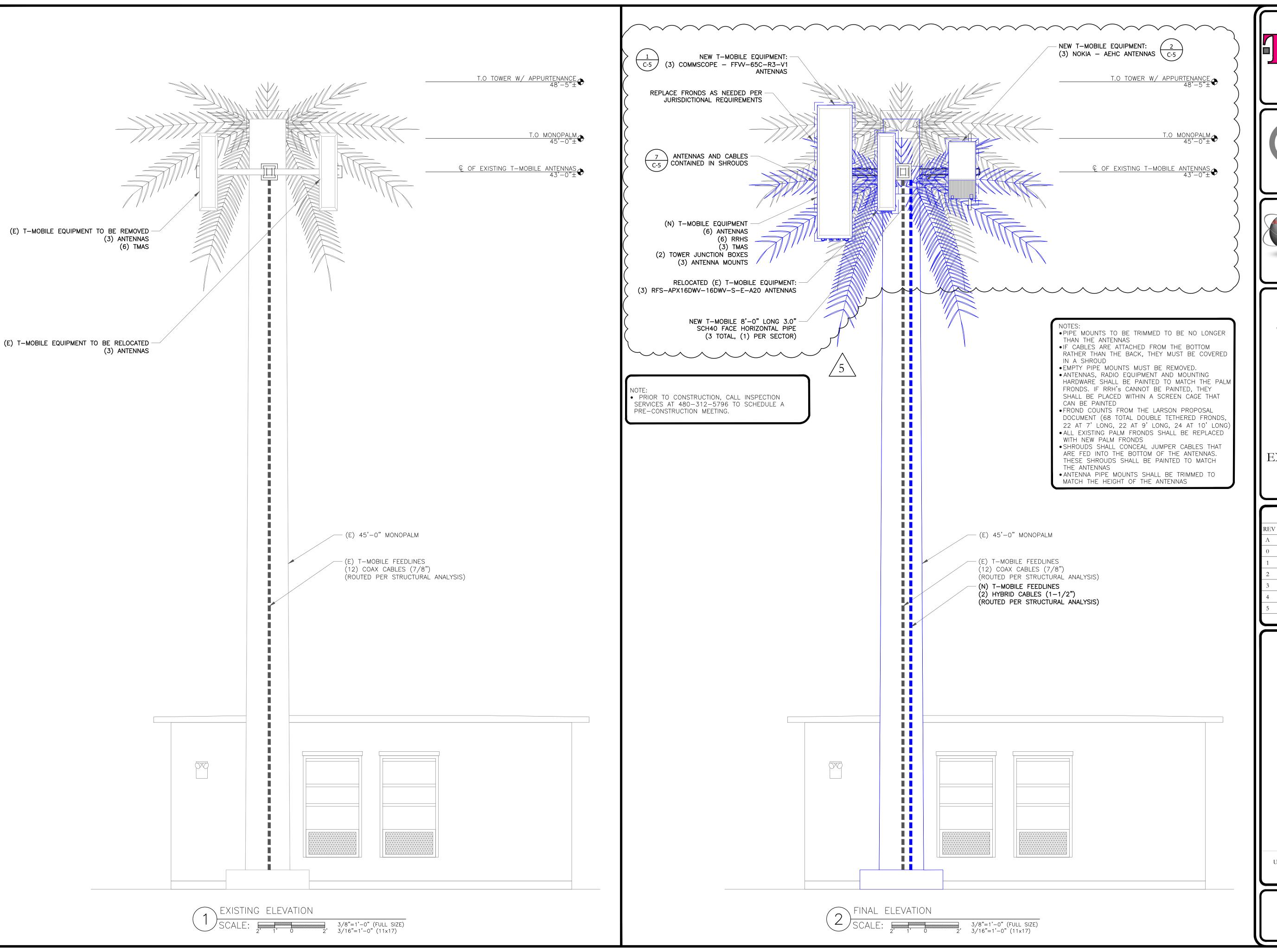
6160 TOTAL BATTERY WEIGHT (12 BATTERIES): 6131 TOTAL BATTERY WEIGHT (4 BATTERIES): TOTAL GAL. - ELECTROLYTE (16 BATTERIES): 37.44 GAL.

VALUES ABOVE ARE BASED ON MANUFACTURER PUBLISHED

 BATTERY CLASSIFICATION: VRLA VALUE REGULATED LEAD ACID HEALTH RATING 3 FIRE RATING O REACTIVE RATING 2

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TEMPE, AZ 85282

2625 S PLAZA DRIVE #400



2055 S. STEARMAN DRIVE CHANDLER, AZ 85286



T-MOBILE SITE NUMBER: **PH10928B**

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