



(ACT) ACTION NEEDED
(INF) INFORMATION ONLY
(DIS) DISCRETIONARY

AGENDA

REGULAR MEETING OF THE PLANNING COMMISSION
CITY OF NEEDLES, CALIFORNIA
WEDNESDAY, MARCH 05, 2025 AT 4:00 PM
EL GARCES - 950 FRONT STREET, NEEDLES

**THE PUBLIC MAY ATTEND VIA TEAMS OR IN PERSON
AND MAY SUBMIT ANY COMMENTS IN WRITING PRIOR TO NOON ON THE DAY OF THE
MEETING BY EMAILING cclark@cityofneedles.com**

**TO JOIN THE LIVE TEAMS MEETING: log into the City of Needles website at
www.cityofneedles.com to access the agenda and [Click here to join the meeting](#)**

***If asked, enter the following: Meeting ID: 893 975 798#
OR listen in and participate by calling Teams: 1-323-488-2227 - Meeting ID: 893 975 798#
The meetings are being recorded.***

CALL TO ORDER
ROLL CALL
PLEDGE OF ALLEGIANCE
APPROVAL OF AGENDA
CONFLICT OF INTEREST
CORRESPONDENCE
INTRODUCTIONS

AS A COURTESY TO THOSE IN ATTENDANCE, WE WOULD ASK THAT CELL PHONES BE TURNED OFF OR SET IN THEIR SILENT MODE. THANK YOU

PUBLIC APPEARANCE - Persons wishing to address the Commissioners on subjects other than those scheduled are requested to do so at this time. When called by the Chair, please announce your name and address for the record. In order to conduct a timely meeting, a three-minute time limit per person has been established by Municipal Code Section 2-18. Amendments to the California Government Code Section 54950 prohibits the Commissioners from taking action on a specific item until it appears on the agenda.

PUBLIC HEARING

1. Approval of Planning Commission Resolution No. 03-05-2025-PC recommending City Council approval of a Conditional Use Permit, for the construction of a new 185-foot wireless telecommunication facility (monopole) including associated equipment within a 50' x 50' enclosed lease area for Verizon Wireless, located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000), within the Highway Commercial (C-3) Land Use Zoning Designation. **(ACT)**
 - Staff Report
 - Commission Questions of Staff
 - Chair to open the public hearing
 - Public Comment
 - Applicant Comments
 - Comments in Favor
 - Comments Opposed
 - Applicant Rebuttal
 - Chair to close the public hearing
 - Commission Discussion / Deliberation
 - Adopt Planning Commission Resolution No 03-05-2025-PC recommending City Council approval of a Conditional Use Permit, for the construction of a new 185-foot wireless telecommunication facility (monopole) including associated equipment within a 50' x 50' enclosed lease area for Verizon Wireless, located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000), within the Highway Commercial (C-3) Land Use Zoning Designation.

REGULAR ITEMS

2. Approve the Minutes of February 12, 2025

(ACT)

COMMISSIONER REQUESTS

CITY MANAGER REPORT

City Manager's Report for the weeks of February 14 and 21, 2025

ADJOURNMENT

INTERNET ACCESS TO PLANNING COMMISSION AGENDAS AND STAFF REPORT MATERIAL IS AVAILABLE PRIOR TO PLANNING COMMISSION MEETINGS AT: <http://www.cityofneedles.com>

Posted: February 28, 2025

SB 343 - DOCUMENTS RELATED TO OPEN SESSION AGENDAS - Any public record, relating to an open session agenda item, that is distributed within 72 hours prior to a meeting is available for public inspection at the Needles Administrative Office, 817 Third Street, Needles, CA 92363.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Candace Clark, Interim City Clerk, at (760) 326-2113 ext 133. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 35.102-104 ADA Title II)

If a decision is made at this hearing and you later disagree with the decision, only issues raised at the public hearing or in written form at or before the public hearing can be considered.

I hereby certify, under penalty of perjury under the laws of the State of California that the foregoing Agenda was posted at the front entrance of City Hall not less than 72 hours prior to the meeting.

Dated this 28th day of February 2025

/s/ Candace Clark, Interim City Clerk



City of Needles, California Request for City Council Action

☐ CITY COUNCIL ☒ PLANNING COMMISSION ☒ Regular ☐ Special

MEETING DATE: March 5, 2025

TITLE: Planning Commission Resolution No. 03-05-2025-PC recommending City Council approval of a Conditional Use Permit for the construction of a new 185-foot wireless telecommunication facility (monopole) including associated equipment within a 50' x 50' enclosed lease area for Verizon Wireless, located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000), within the Highway Commercial (C-3) Land Use Zoning Designation.

APPLICANT: Jeremy Siegel, on behalf of APC Towers, 8601 Six Forks Road, Suite 250, Raleigh, NC 27615

LOCATION: The project site is located south of National Old Trails Highway and north of I-40, Needles Ca 92363 (APN 0660-162-07-0000).

BACKGROUND: A Special Use Permit (Resolution No. 01-03-2024-PC) for a 160-foot wireless communications facility (monopole) was approved by the Planning Commission of the City of Needles on January 3, 2024. APC Towers has submitted a Conditional Use Permit application to request an amendment to the approved project to support an increase in height of the monopole by 25'. The additional height is necessary to enhance wireless coverage, improve network reliability, and accommodate future co-location of multiple carriers, thereby reducing the need for additional towers in the vicinity.

The applicant, Jeremy Siegel with APC Towers, is proposing a 185-foot wireless telecommunication tower (monopole) with cabinets, associated equipment, within a 50' x 50' enclosed lease area at a parcel located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000). The lease area for the proposed tower is approximately 24 feet from the existing 102-foot AT&T wireless communications facility at the site. The proposed monopole would have the capacity to accommodate five additional wireless carriers. Spike's Old 66 Storage facility is located south of the project site, while vacant land is to the north. Further north, beyond the vacant land, there is an existing lattice wireless communications facility. National Old Trails Highway is situated north of the project site. The new installation would significantly enhance wireless coverage in both the local and surrounding areas without introducing major or intrusive aesthetic changes.

As shown in the plan set, the project includes the installation of a new 185-foot monopole, which can accommodate five additional wireless carriers, along with the construction of 8-foot chain-link fence enclosure with privacy slats around the 50' x 50' lease area. Additionally, the project involves the installation of multiple Verizon antennas and associated equipment. Access to the facility will be by means of a 10-foot-wide access easement and driveway from National Old Trails Highway. The plan set also includes elevations of the proposed tower.

The design and configuration of the wireless telecommunication facility aim to minimize adverse aesthetic, health, safety, and economic impacts by being located in a non-residential area, resulting in minimal impact on the City. According to the Table of Permissible Uses (City Code Section 96.01), cell towers exceeding 50 feet are permitted in the C-3 Highway Commercial Zone, subject to approval of a Conditional Use Permit (CUP). Attachment 3 includes photographs taken from various locations surrounding the project site, showing the proposed tower in relation to the existing surroundings, including

nearby wireless communication facilities. The proposed tower would be 65 feet taller than the existing tower at the site.

The project site is physically suitable in size and shape to accommodate the proposed wireless telecommunication facility. The project is required to maintain compliance with Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) regulations in addition to applicable building codes, zoning codes, fire codes, and standards, ensuring a safe, well-designed, and visually appropriate development.

CONDITIONAL USE PERMIT (CUP) FINDINGS: In accordance with Section 94.06, the Planning Commission must make the following findings to recommend approval of a conditional use permit:

1. The requested permit is conditionally within its jurisdiction according to the table of permissible uses.
2. The application is complete
3. The use will not endanger public health or safety.
4. The development will be in conformity with the Needles General Plan.

PUBLIC NOTIFICATION: A public hearing notice was published in the Needles Desert Star on Wednesday, February 19, 2025, and posted in two conspicuous locations. Notices were sent to property owners within 300' of the proposed project site.

ENVIRONMENTAL: CEQA Compliance – Categorical Exemption (Section 15303, Class 3): The proposed project qualifies for a Categorical Exemption under the California Environmental Quality Act, CEQA Guidelines, Section 15303, (new construction or conversion of small structures) of Title 14 of the California Code of Regulations (State CEQA Guidelines). The project consists of a Conditional Use Permit for the construction of 185-foot wireless telecommunication tower (monopole) and associated equipment within a 50' x 50' enclosed lease area.

RECOMMENDATION: Approval of Planning Commission Resolution No. 03-05-2025-PC recommending City Council approval of a Conditional Use Permit, for the construction of a new 185-foot wireless telecommunication facility (monopole) for Verizon Wireless, located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000), within the Highway Commercial (C-3) Land Use Zoning Designation.

SUBMITTED BY: Irene Romero, City Planner

ATTACHMENTS:

1. Vicinity Map
2. Project Plans
3. Photo Simulations
4. Planning Commission Resolution, Findings, and Conditions of Approval
5. CUP Application

City Manager Approval: Patrick J. Martinez

Date: 2/27/2025

Other Department Approval (when required): _____

Date: _____

Approved: ☐ Not Approved: ☐ Tabled: ☐ Other: ☐



VICINITY MAP

DATE: March 5, 2025

PROJECT: CONDITIONAL USE PERMIT (CUP) for the construction of a new 185-foot wireless telecommunication facility (monopole) including associated equipment within a 50' x 50' enclosed lease area for Verizon Wireless, located south of National Old Trails Highway and north of I-40 (APN: 0660-162-07-0000), within the Highway Commercial (C-3) Land Use Zoning Designation.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

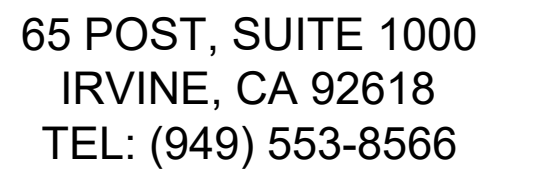
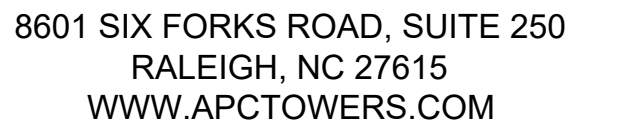
1.	2022 CALIFORNIA ADMINISTRATIVE CODE	6.	2022 CALIFORNIA FIRE CODE
2.	2022 CALIFORNIA BUILDING CODE	7.	ANY LOCAL BUILDING CODE AMENDMENTS
3.	2022 CALIFORNIA ELECTRIC CODE	8.	CITY/COUNTY ORDINANCES
4.	2022 CALIFORNIA MECHANICAL CODE	ANSI / TIA-222	STRUCTURAL CODE
5.	2022 CALIFORNIA PLUMBING CODE	10.	NFPA 780 - LIGHTING PROTECTION CODE

HANDICAP REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, AND IS EXEMPTED FROM ACCESSIBILITY REQUIREMENTS IN ACCORDANCE WITH 2016 CALIFORNIA BUILDING CODE SECTION 11B-203.5.

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

The logo for APC Towers, featuring the letters 'APC' in a bold, blue, sans-serif font, followed by the word 'Towers' in a dark blue, serif font. A stylized, dark blue swoosh or arc is positioned above the 'APC' letters.

<h2 style="margin: 0;">APPROVALS</h2>	
<p style="text-align: center;">THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.</p>	
<p style="text-align: center;">APPROVED BY:</p>	<p style="text-align: center;">DATE:</p>
APC OPERATIONS: _____	
SAQ MANAGER: _____	
PROJECT MANAGER: _____	
ZONING VENDOR: _____	
LEASING VENDOR: _____	
ZONING MANAGER: _____	
PROPERTY OWNER: _____	



GENERAL NOTES

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

IF CONTRACTOR ENCOUNTERS CONDITIONS IN FIELD, EITHER UNFORESEEN OR IN SOME MANNER IN CONFLICT WITH THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE REGISTERED DESIGN PROFESSIONAL OF SUCH CONDITIONS IN WRITING AND SHALL ACKNOWLEDGE ANY WORK DONE OUTSIDE OF JURISDICTIONAL PERMITTED PLANS IS DONE AT CONTRACTORS OWN RISK.

FOR "SPECIAL INSPECTIONS" SPECIFIC TO THIS PROJECT PURSUANT TO CBC SECTION 1704.3, SEE SHEET T-4, "STATEMENT OF SPECIAL INSPECTIONS"

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

FULL SIZE = 24"x36". ANY OTHER SIZE PRINT IS NOT ORIGINAL SCALE.

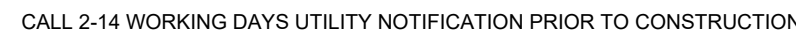
ALL INDICATED DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS.

PROJECT DESCRIPTION

APC PROPOSES TO INSTALL A WIRELESS COMMUNICATIONS FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- (1) NEW 185'-0" HIGH MONOPOLE
- (1) NEW METERING H-FRAME
- (1) NEW UTILITY COMPANY TRANSFORMER
- (2) UTILITY TRENCHES

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



SITE INFORMATION			
PROPERTY OWNER:	TERRANCE JONES	TOWER OWNER:	APC TOWERS
PHONE:	(760) 275-4980	ADDRESS:	8601 SIX FORKS RD, SUITE 250 RALEIGH, NC 27615
COUNTY:	SAN BERNARDINO	TOWER CO SITE ID:	CA-1374
ZONING JURISDICTION:	CITY OF NEEDLES	TOWER APP NUMBER:	--
ZONING DISTRICT:	C-3 COMMERCIAL	LATITUDE (NAD 83):	34° 51' 57.74" N
PARCEL NUMBER:	066016207	LONGITUDE (NAD 83):	114° 38' 07.81" W
OCCUPANCY GROUP:	U		
CONSTRUCTION TYPE:	II-B		
POWER COMPANY:	NEEDLES ELECTRIC DEPARTMENT		
TELEPHONE COMPANY:	FRONTIER		
LEASE AREA:	2500 SQFT		

The figure consists of two side-by-side panels. The left panel is a 'VICINITY MAP' showing a street layout with 'Needles Hwy' and 'National Old Trails Rd'. A black star icon marks the 'SITE' location. A blue location pin icon for 'Needles Auto Wrecking & Towing' is also shown. A north arrow is in the bottom right corner. The right panel is an 'AERIAL VIEW' of the same area, showing the terrain, roads, and the 'SITE' marked with a black star icon. The text 'National Old Trails Rd' and 'Needles Auto Wrecking & Towing' are visible on the map.

[illegible][illegible]

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET NUMBER

PROJECT TEAM		
<u>PROJECT MANAGER:</u> APC TOWERS 8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 CONTACT: ABIGAIL JOHNSON PHONE: (919) 346-8799 EMAIL: ajohnson@apctowers.com	<u>SITE ACQUISITION:</u> EUKON GROUP 65 POST, SUITE 1000 IRVINE, CA 92618 CONTACT: JEREMY SIEGEL PHONE: (714) 366-8047 EMAIL: jeremy.siegel@eukongroup.com	<u>A&E CONTACT:</u> EUKON GROUP 65 POST, SUITE 1000 IRVINE, CA 92618 CONTACT: RICH BRUNET PHONE: (949) 899-5597 EMAIL: rich.brunet@eukongroup.com
<u>RF ENGINEER:</u> -	<u>CONSTRUCTION:</u> EUKON GROUP 65 POST, SUITE 1000 IRVINE, CA 92618 CONTACT: JERRY AMBROSE PHONE: (805) 637-7407 EMAIL: jambrose@wireless01.com	<u>CONSTRUCTION:</u> -

DRIVING DIRECTIONS

DIRECTIONS FROM HARRY REID INTERNATIONAL AIRPORT AT 5757 WAYNE NEWTON BLVD, LAS VEGAS, NV 89119

1. HEAD SOUTH ON PARADISE RD

2. FOLLOW SIGNS FOR I-215 SOUTH

3. MERGE ONTO I-215 SOUTH

4. FOLLOW SIGNS FOR I-11 SOUTH

5. MERGE ONTO I-11 SOUTH

6. FOLLOW SIGNS FOR US-95 SOUTH

7. MERGE ONTO US-95 SOUTH

8. CONTINUE ON US-95 SOUTH

9. FOLLOW SIGNS FOR I-40 EAST

10. MERGE ONTO I-40 EAST

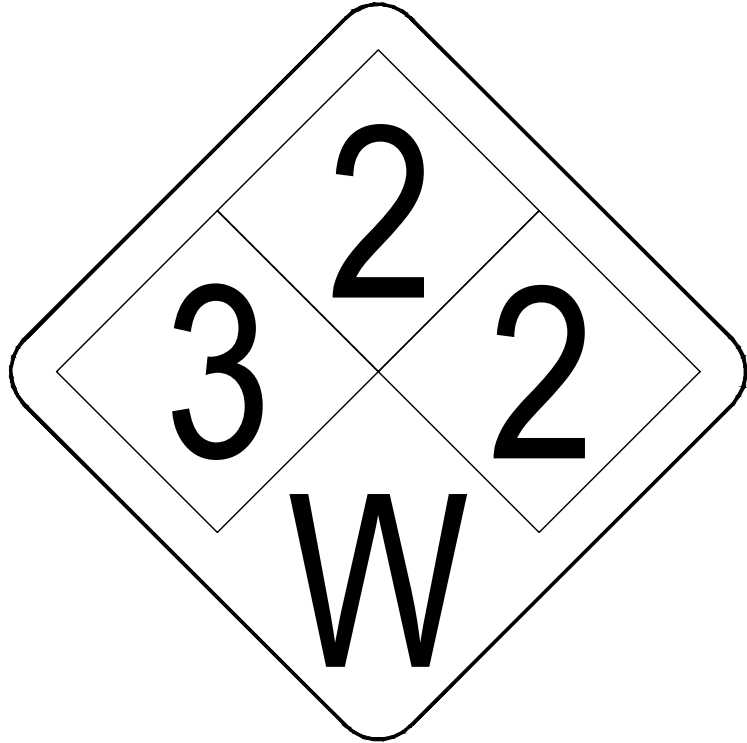
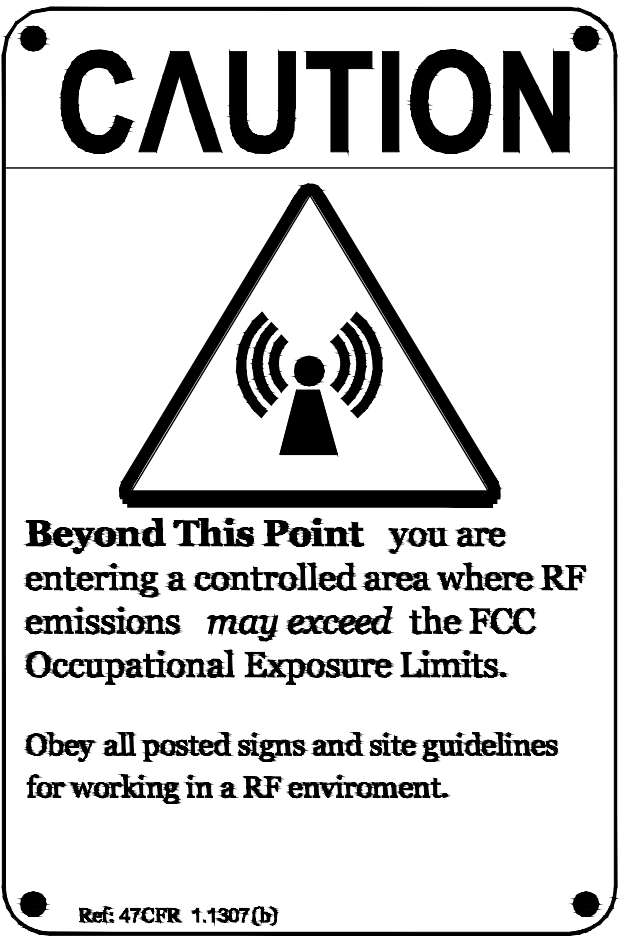
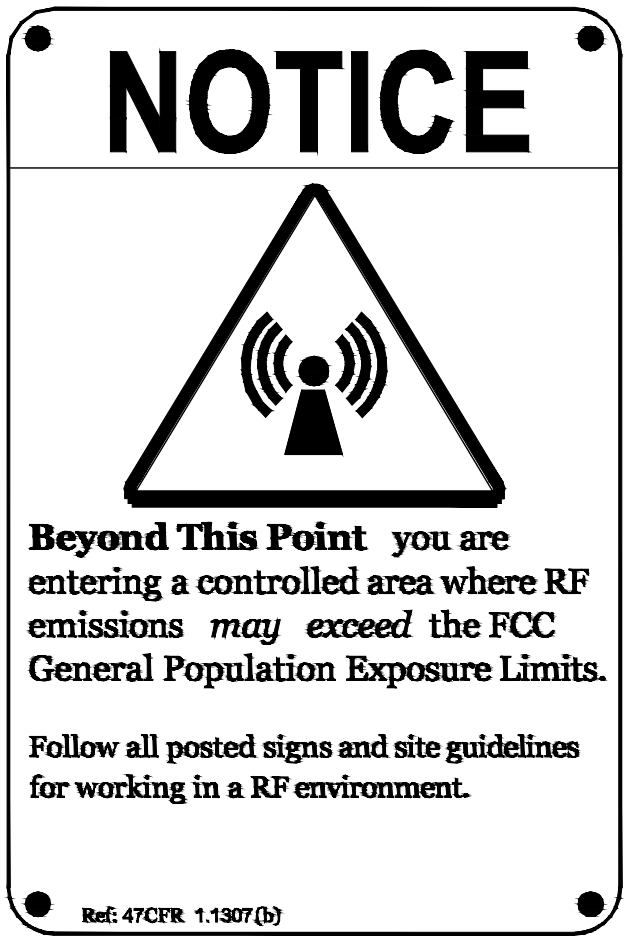
11. TAKE EXIT 139 TOWARD RIVER RD CUT OFF

12. TURN RIGHT ONTO NATIONAL OLD TRANSIT RD

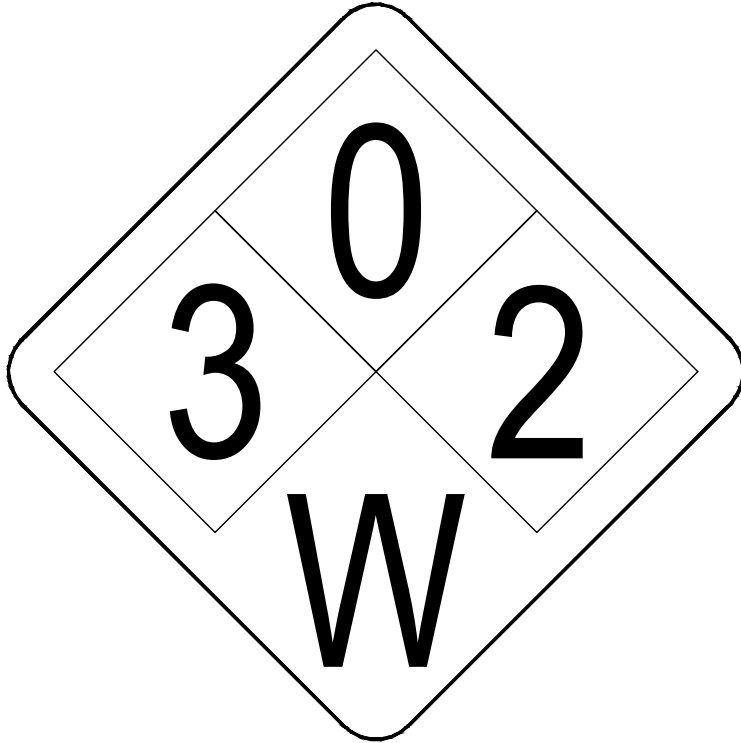
13. ARRIVE AT NATIONAL OLD TRANSIT RD ON THE RIGHT

	NEW ANTENNA		GROUT OR PLASTER		UNDERGROUND TELCO RUN		5/8" X 10'-0" .CU. GND ROD IN TEST WELL 30" MIN. BELOW GRADE.
	EXISTING ANTENNA		(E) BRICK		GROUNDING CONDUCTOR		CHEMICAL GROUND ROD (XIT GROUND ROD)
	GROUND ROD		(E) MASONRY		GROUNDING CONDUCTOR		CADWELD CONNECTION
	GROUND BUS BAR		CONCRETE		GROUNDING CONDUCTOR		MECHANICAL CONNECTION
	MECHANICAL GRND. CONN.		EARTH		GROUNDING CONDUCTOR		HALO GROUND CONNECTION
	CADWELD		GRAVEL		CONDUIT UNDERGROUND		CIRCUIT BREAKER
	GROUND ACCESS WELL		PLYWOOD		FUSE, SIZE AND TYPE AS INDICATED.		UTILITY METER BASE
	ELECTRIC BOX		SAND		SAFETY SWITCH, 2P-240V-60A W/60A FUSES, NEMA 3R ENCLOSURE, SQ D CATALOG NO. H222NRB		TRANSFORMER
	TELEPHONE BOX		WOOD CONT.		MANUAL TRANSFER SWITCH, 2P-240V-200A, NO FUSE, NEMA 3R ENCLOSURE		STEPDOWN TRANSFORMER
	LIGHT POLE		WOOD BLOCKING		LIGHTING FIXTURE, FLUORESCENT, 10.94" x 4'-0", 2/40W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #WSW232T		RECEPTACLE, 2P-3W-125V-15A, DUPLEX, GROUND TYPE, HUBBEL CATALOG #5362
	FND. MONUMENT		STEEL		LIGHTING FIXTURE, FLUORESCENT, 10.94" x 8'-0", 2/95W, SURFACE MOUNTING TYPE, HUBBELL LIGHTING CATALOG #TWSM232T		TOGGLE SWITCH, 1P-125V-15A, HUBBELL CATALOG #HBL 1201CN
	SPOT ELEVATION		CENTERLINE		LIGHTING FIXTURE, HIGH PRESSURE SODIUM, 1/70W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #NRG-307 OR 1/50W, HUBBELL LIGHTING CATALOG #NRG-121		TOGGLE SWITCH, 1P-120V-15A, "WP"
	SET POINT		PROPERTY/LEASE LINE		EXIT SIGN, THERMOPLASTIC LED, SINGLE FACE, UNIVERSAL MOUNTING, W/BATTERY PACK, HUBBELL LIGHTING CATALOG #PRB		IONIZATION SMOKE DETECTOR W/ALARM HORN & AUXILIARY CONTACT, 120 VAC, GENTEX PART NO. 7100F
	REVISION		MATCH LINE		EMERGENCY LIGHTING, 2/50W, HUBBELL LIGHTING CATALOG #HE6-50-2-R91		POLE
	GRID REFERENCE		WORK POINT		LIGHTING FIXTURE, INCANDESCENT, 1/100W, WALL MOUNTING TYPE, HUBBELL LIGHTING CATALOG #BRH-100-06-1		(N) POLE MOUNTED XFMR
	DETAIL REFERENCE		GROUND CONDUCTOR		LIGHTING FIXTURE, HALOGEN, QUARTZ, 1/300W, HUBBELL LIGHTING CATALOG #QL-505		(E) POLE MOUNTED XFMR
	ELEVATION REFERENCE		COAXIAL CABLE		LIGHTING FIXTURE, 1/175W. METAL HALIDE, HUBBELL CAT #MIC-0175H-336		(N) PAD MOUNTED XFMR
	SECTION REFERENCE		OVERHEAD SERVICE CONDUCTORS		5/8" X 10'-0" .CU. GND ROD 30" MIN. BELOW GRADE.		(E) PAD MOUNTED XFMR
			CHAIN LINK FENCING				
			OVERHEAD TELEPHONE/OVERHEAD POWER				
			OVERHEAD TELEPHONE LINE				
			OVERHEAD POWER LINE				
			UNDERGROUND POWER RUN				
			UNDERGROUND POWER/TELCO RUN				

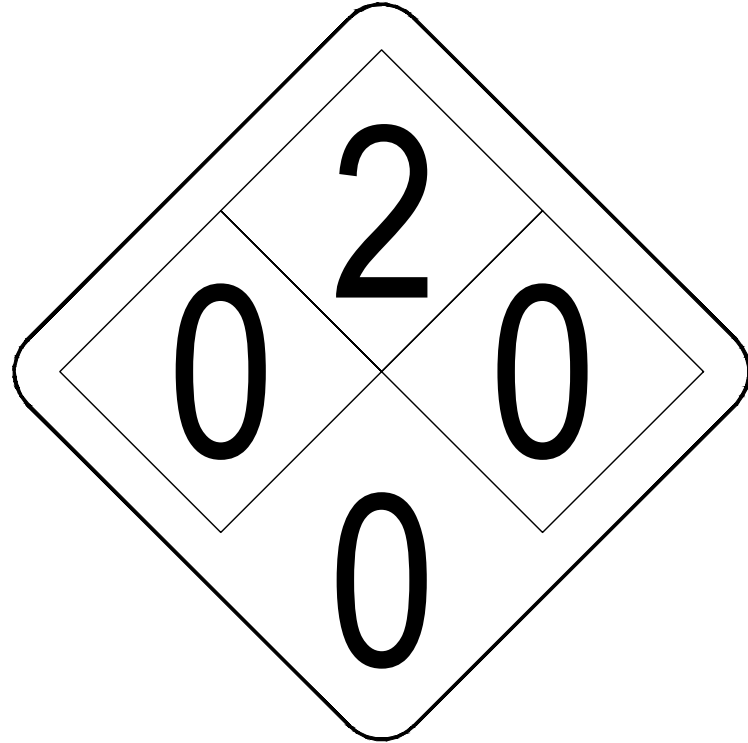
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<table><tr><td>A</td><td>AMPERE</td><td>EMT.</td><td>ELECTRICAL METALLIC TUBING</td></tr><tr><td>A.B.</td><td>ANCHOR BOLT</td><td>EN.</td><td>EDGE NAIL</td></tr><tr><td>ABV.</td><td>ABOVE</td><td>ENCL.</td><td>ENCLOSURE</td></tr><tr><td>AC</td><td>ALTERNATE CURRENT/AIR CONDITIONER</td><td>ENG.</td><td>ENGINEER</td></tr><tr><td>ACCA</td><td>ANTENNA CABLE COVER ASSEMBLY</td><td>EO.</td><td>EQUAL</td></tr><tr><td>ADD'L</td><td>ADDITIONAL</td><td>EXST.(E)</td><td>EXISTING</td></tr><tr><td>A.F.F.</td><td>ABOVE FINISHED FLOOR</td><td>EXP.</td><td>EXPANSION</td></tr><tr><td>A.F.G.</td><td>ABOVE FINISHED GRADE</td><td>EXT.</td><td>EXTERIOR</td></tr><tr><td>AIC</td><td>AMPERE INTERRUPTING CAPACITY</td><td>FAB.</td><td>FABRICATION(OR)</td></tr><tr><td>ALUM.</td><td>ALUMINUM</td><td>FAC.</td><td>FACTOR</td></tr><tr><td>ALT.</td><td>ALTERNATE</td><td>F/A</td><td>FIRE ALARM</td></tr><tr><td>ANT.</td><td>ANTENNA</td><td>F.F.</td><td>FINISH FLOOR</td></tr><tr><td>APPROX.</td><td>APPROXIMATE(LY)</td><td>F.G.</td><td>FINISH GRADE</td></tr><tr><td>ARCH.</td><td>ARCHITECT(URAL)</td><td>FIN.</td><td>FINISH</td></tr><tr><td>AT.</td><td>AMPERE TRIP</td><td>FLR.</td><td>FLOOR</td></tr><tr><td>AWG.</td><td>AMERICAN WIRE GAUGE</td><td>FLUOR</td><td>FLUORESCENT</td></tr><tr><td>BATT.</td><td>BATTERY</td><td>FDN.</td><td>FOUNDATION</td></tr><tr><td>BD.</td><td>BOARD</td><td>F.O.C.</td><td>FACE OF CONCRETE</td></tr><tr><td>BLDG.</td><td>BUILDING</td><td>F.O.M.</td><td>FACE OF MASONRY</td></tr><tr><td>BLK.</td><td>BLOCK</td><td>F.O.S.</td><td>FACE OF STUD</td></tr><tr><td>BLKG.</td><td>BLOCKING</td><td>F.O.W.</td><td>FACE OF WALL</td></tr><tr><td>BM.</td><td>BEAM</td><td>FRP</td><td>FIBER REINFORCE POLYMER/GALV.</td></tr><tr><td>B.N.</td><td>BOUNDARY NAILING</td><td>F.S.</td><td>FINISH SURFACE</td></tr><tr><td>BR.</td><td>BRANCH</td><td>FT.(')</td><td>FOOT (FEET)</td></tr><tr><td>BRKR.</td><td>BREAKER</td><td>FTG.</td><td>FOOTING</td></tr><tr><td>BTBW.</td><td>BARE TINNED COPPER WIRE</td><td>FU</td><td>FUSE</td></tr><tr><td>BTS.</td><td>BASE TRANSMISSION SYSTEM</td><td>G</td><td>GROUND</td></tr><tr><td>B.O.F.</td><td>BOTTOM OF FOOTING</td><td>GR</td><td>GROWTH (CABINET)</td></tr><tr><td>B/U</td><td>BACK-UP CABINET</td><td>GA.</td><td>GAUGE</td></tr><tr><td>C</td><td>CONDUIT</td><td>GEN.</td><td>GENERATOR</td></tr><tr><td>CAB.</td><td>CABINET</td><td>GI.</td><td>GALVANIZE(D)</td></tr><tr><td>CANT.</td><td>CANTILEVER(ED)</td><td>G.F.C. I.</td><td>GROUND FAULT CIRCUIT INTERRUPTER</td></tr><tr><td>CB</td><td>CIRCUIT BREAKER</td><td>GLB. (GLU-LAM)</td><td>GLUE LAMINATED BEAM</td></tr><tr><td>CDMA</td><td>CODE-DIVISION MULTIPLE ACCESS (2G & 3G)</td><td>GN</td><td>GLOBAL POSITIONING SYSTEM</td></tr><tr><td>CDUK</td><td>CONSOLIDATION DISTRIBUTION UNIT KIT</td><td>GPS</td><td>GROUND</td></tr><tr><td>C.I.P.</td><td>CAST IN PLACE</td><td>GRND.</td><td>GROUND</td></tr><tr><td>CKT.</td><td>CIRCUIT</td><td>GSM</td><td>GLOBAL SYSTEM MOBILE (2G+ MOBILE TECH.)</td></tr><tr><td>CLG.</td><td>CEILING</td><td>HDBC</td><td>HARD DRAWN COPPER WIRE</td></tr><tr><td>CLR.</td><td>CLEAR</td><td>HDR.</td><td>HEADER</td></tr><tr><td>CMU</td><td>CONCRETE MASONRY UNIT (JAMB BLOCKS)</td><td>HGR.</td><td>HANGER</td></tr><tr><td>COL.</td><td>COLUMN</td><td>HPS</td><td>HIGH PRESSURE SODIUM</td></tr><tr><td>CONC.</td><td>CONCRETE</td><td>HT.</td><td>HEIGHT</td></tr><tr><td>CONN.</td><td>CONNECTION(OR)</td><td>ICGB.</td><td>ISOLATED COPPER GROUND BUS</td></tr><tr><td>CONST.</td><td>CONSTRUCTION</td><td>ILC.</td><td>INTEGRATED LEAD CENTER</td></tr><tr><td>CONT.</td><td>CONTINUOUS</td><td>IN.(")</td><td>INCH(ES)</td></tr><tr><td>d</td><td>PENNY (NAILS)</td><td>INT.</td><td>INTERIOR</td></tr><tr><td>DBL.</td><td>DOUBLE</td><td>LB.(#)</td><td>POUND(S)</td></tr><tr><td>DC.</td><td>DIRECT CURRENT</td><td>L.B.</td><td>LAG BOLTS</td></tr><tr><td>DEM.</td><td>DEMAND</td><td>L.F.</td><td>LINEAR FEET (FOOT)</td></tr><tr><td>DEPT.</td><td>DEPARTMENT</td><td>LG.</td><td>LENGTH</td></tr><tr><td>D.F.</td><td>DOUGLAS FIR</td><td>L.</td><td>LONG(ITUDINAL)</td></tr><tr><td>DIA.</td><td>DIAMETER</td><td>LPS</td><td>LOW PRESSURE SODIUM</td></tr><tr><td>DIAG.</td><td>DIAGONAL</td><td>LTE</td><td>LONG TERM EVOLUTION (4G MOBILE TECH.)</td></tr><tr><td>DIM.</td><td>DIMENSION</td><td>MAS.</td><td>MASONRY</td></tr><tr><td>DWG.</td><td>DRAWING(S)</td><td>MAX.</td><td>MAXIMUM</td></tr><tr><td>DWL.</td><td>DOWEL(S)</td><td>M.B.</td><td>MACHINE BOLT</td></tr><tr><td>EA.</td><td>EACH</td><td>MECH.</td><td>MECHANICAL</td></tr><tr><td>EGR.</td><td>EMERGENCY GENERATOR RECEPTACLE</td><td>MFR.</td><td>MANUFACTURER</td></tr><tr><td>EL.</td><td>ELEVATION</td><td>MIN.</td><td>MINIMUM</td></tr><tr><td>ELEC.</td><td>ELECTRICAL</td><td>MISC.</td><td>MISCELLANEOUS</td></tr><tr><td>ELEV.</td><td>ELEVATOR</td><td>MLO</td><td>MAIN LUGS ONLY</td></tr></table>				A	AMPERE	EMT.	ELECTRICAL METALLIC TUBING	A.B.	ANCHOR BOLT	EN.	EDGE NAIL	ABV.	ABOVE	ENCL.	ENCLOSURE	AC	ALTERNATE CURRENT/AIR CONDITIONER	ENG.	ENGINEER	ACCA	ANTENNA CABLE COVER ASSEMBLY	EO.	EQUAL	ADD'L	ADDITIONAL	EXST.(E)	EXISTING	A.F.F.	ABOVE FINISHED FLOOR	EXP.	EXPANSION	A.F.G.	ABOVE FINISHED GRADE	EXT.	EXTERIOR	AIC	AMPERE INTERRUPTING CAPACITY	FAB.	FABRICATION(OR)	ALUM.	ALUMINUM	FAC.	FACTOR	ALT.	ALTERNATE	F/A	FIRE ALARM	ANT.	ANTENNA	F.F.	FINISH FLOOR	APPROX.	APPROXIMATE(LY)	F.G.	FINISH GRADE	ARCH.	ARCHITECT(URAL)	FIN.	FINISH	AT.	AMPERE TRIP	FLR.	FLOOR	AWG.	AMERICAN WIRE GAUGE	FLUOR	FLUORESCENT	BATT.	BATTERY	FDN.	FOUNDATION	BD.	BOARD	F.O.C.	FACE OF CONCRETE	BLDG.	BUILDING	F.O.M.	FACE OF MASONRY	BLK.	BLOCK	F.O.S.	FACE OF STUD	BLKG.	BLOCKING	F.O.W.	FACE OF WALL	BM.	BEAM	FRP	FIBER REINFORCE POLYMER/GALV.	B.N.	BOUNDARY NAILING	F.S.	FINISH SURFACE	BR.	BRANCH	FT.(')	FOOT (FEET)	BRKR.	BREAKER	FTG.	FOOTING	BTBW.	BARE TINNED COPPER WIRE	FU	FUSE	BTS.	BASE TRANSMISSION SYSTEM	G	GROUND	B.O.F.	BOTTOM OF FOOTING	GR	GROWTH (CABINET)	B/U	BACK-UP CABINET	GA.	GAUGE	C	CONDUIT	GEN.	GENERATOR	CAB.	CABINET	GI.	GALVANIZE(D)	CANT.	CANTILEVER(ED)	G.F.C. I.	GROUND FAULT CIRCUIT INTERRUPTER	CB	CIRCUIT BREAKER	GLB. (GLU-LAM)	GLUE LAMINATED BEAM	CDMA	CODE-DIVISION MULTIPLE ACCESS (2G & 3G)	GN	GLOBAL POSITIONING SYSTEM	CDUK	CONSOLIDATION DISTRIBUTION UNIT KIT	GPS	GROUND	C.I.P.	CAST IN PLACE	GRND.	GROUND	CKT.	CIRCUIT	GSM	GLOBAL SYSTEM MOBILE (2G+ MOBILE TECH.)	CLG.	CEILING	HDBC	HARD DRAWN COPPER WIRE	CLR.	CLEAR	HDR.	HEADER	CMU	CONCRETE MASONRY UNIT (JAMB BLOCKS)	HGR.	HANGER	COL.	COLUMN	HPS	HIGH PRESSURE SODIUM	CONC.	CONCRETE	HT.	HEIGHT	CONN.	CONNECTION(OR)	ICGB.	ISOLATED COPPER GROUND BUS	CONST.	CONSTRUCTION	ILC.	INTEGRATED LEAD CENTER	CONT.	CONTINUOUS	IN.(")	INCH(ES)	d	PENNY (NAILS)	INT.	INTERIOR	DBL.	DOUBLE	LB.(#)	POUND(S)	DC.	DIRECT CURRENT	L.B.	LAG BOLTS	DEM.	DEMAND	L.F.	LINEAR FEET (FOOT)	DEPT.	DEPARTMENT	LG.	LENGTH	D.F.	DOUGLAS FIR	L.	LONG(ITUDINAL)	DIA.	DIAMETER	LPS	LOW PRESSURE SODIUM	DIAG.	DIAGONAL	LTE	LONG TERM EVOLUTION (4G MOBILE TECH.)	DIM.	DIMENSION	MAS.	MASONRY	DWG.	DRAWING(S)	MAX.	MAXIMUM	DWL.	DOWEL(S)	M.B.	MACHINE BOLT	EA.	EACH	MECH.	MECHANICAL	EGR.	EMERGENCY GENERATOR RECEPTACLE	MFR.	MANUFACTURER	EL.	ELEVATION	MIN.	MINIMUM	ELEC.	ELECTRICAL	MISC.	MISCELLANEOUS	ELEV.	ELEVATOR	MLO	MAIN LUGS ONLY	<table><tr><td>MTD.</td><td>MOUNTED</td><td>T.O.F.</td><td>TOP OF FOUNDATION</td></tr><tr><td>MTG.</td><td>MOUNTING</td><td>T.O.P.</td><td>TOP OF PLATE (PARAPET)</td></tr><tr><td>MTL.</td><td>METAL</td><td>T.O.S.</td><td>TOP OF STEEL</td></tr><tr><td>N</td><td>NEUTRAL</td><td>T.O.W.</td><td>TOP OF WALL</td></tr><tr><td>N</td><td>NEW</td><td>TYP.</td><td>TYPICAL</td></tr><tr><td>N</td><td>NATIONAL ELECTRICAL MANUFACTURERS ASSOC.</td><td>U.G.</td><td>UNDER GROUND</td></tr><tr><td>NEMA</td><td>NUMBER</td><td>U.L.</td><td>UNDERWRITERS LABORATORY INC.</td></tr><tr><td>NO.(#)</td><td>NOT TO SCALE</td><td>UMTS</td><td>UNIVERSAL MOBIL TECH. SYS. (3G MOBILE TECH.)</td></tr><tr><td>N.T.S.</td><td>OPTICAL BASEBAND INTERFACE</td><td>U.N.O.</td><td>UNLESS NOTED OTHERWISE</td></tr><tr><td>OBIF</td><td>OVERHEAD</td><td>V</td><td>VOLT</td></tr><tr><td>OH</td><td>ON CENTER</td><td>VAC</td><td>VOLT ALTERNATING CURRENT</td></tr><tr><td>O.C.</td><td>OPENING</td><td>V.I.F.</td><td>VERIFY IN FIELD</td></tr><tr><td>OPNG.</td><td>POLE</td><td>W</td><td>WATT OR WIRE</td></tr><tr><td>P</td><td>PRECAST CONCRETE</td><td>WD</td><td>WIDE(WIDTH)</td></tr><tr><td>P/C</td><td>PERSONAL COMMUNICATION SERVICES</td><td>W/O</td><td>WITH</td></tr><tr><td>PH.</td><td>PHASE</td><td>W/O</td><td>WITHOUT</td></tr><tr><td>PLY.</td><td>PLYWOOD</td><td>WD.</td><td>WOOD</td></tr><tr><td>PNLBD</td><td>PANELBOARD</td><td>W.P.</td><td>WEATHERPROOF</td></tr><tr><td>PPC</td><td>POWER PROTECTION CABINET</td><td>WT.</td><td>WEIGHT</td></tr><tr><td>PRC</td><td>PRIMARY RADIO CABINET</td><td>XFMR</td><td>TRANSFER</td></tr><tr><td>PRI</td><td>PRIMARY</td><td>XLPE</td><td>TRANSFORMER</td></tr><tr><td>P.S.F.</td><td>POUNDS PER SQUARE FOOT</td><td>E</td><td>CROSS-LINK POLYETHYLENE</td></tr><tr><td>P.S.I.</td><td>POUNDS PER SQUARE INCH</td><td></td><td>CENTERLINE</td></tr><tr><td>P.T.</td><td>PRESSURE TREATED</td><td></td><td>PLATE, PROPERTY LINE</td></tr><tr><td>PWR.</td><td>POWER (CABINET)</td><td></td><td></td></tr><tr><td>QTY.</td><td>QUANTITY</td><td></td><td></td></tr><tr><td>RAD.(R)</td><td>RADIUS</td><td></td><td></td></tr><tr><td>RBS</td><td>RADIO BASE STATION (BASE STATION 3G NETWORKS)</td><td></td><td></td></tr><tr><td>RCPT.</td><td>RECEPTACLE</td><td></td><td></td></tr><tr><td>REF.</td><td>REFERENCE</td><td></td><td></td></tr><tr><td>REINF.</td><td>REINFORCEMENT(ING)</td><td></td><td></td></tr><tr><td>REQ'D.</td><td>REQUIRED</td><td></td><td></td></tr><tr><td>RGS.</td><td>RIGID GALVANIZED STEEL</td><td></td><td></td></tr><tr><td>RRU</td><td>REMOTE RADIO UNIT (RADIO TRANSCEIVER)</td><td></td><td></td></tr><tr><td></td><td>RECEIVER AIR INTERFACE TRAY</td><td></td><td></td></tr><tr><td></td><td>SAFETY</td><td></td><td></td></tr><tr><td></td><td>SCHEDULE</td><td></td><td></td></tr><tr><td></td><td>SOFT DRAWN BARE COPPER</td><td></td><td></td></tr><tr><td></td><td>SECONDARY</td><td></td><td></td></tr><tr><td></td><td>SHEET</td><td></td><td></td></tr><tr><td></td><td>SIMILAR</td><td></td><td></td></tr><tr><td></td><td>S.M.</td><td></td><td></td></tr><tr><td></td><td>S.N.</td><td></td><td></td></tr><tr><td></td><td>SPEC.</td><td></td><td></td></tr><tr><td></td><td>SO.</td><td></td><td></td></tr><tr><td></td><td>S.S.</td><td></td><td></td></tr><tr><td></td><td>STD.</td><td></td><td></td></tr><tr><td></td><td>STEEL</td><td></td><td></td></tr><tr><td></td><td>STRUCTURAL</td><td></td><td></td></tr><tr><td></td><td>SURF</td><td></td><td></td></tr><tr><td></td><td>SW</td><td></td><td></td></tr><tr><td></td><td>TEL.</td><td></td><td></td></tr><tr><td></td><td>MASONRY</td><td></td><td></td></tr><tr><td></td><td>TEMP.</td><td></td><td></td></tr><tr><td></td><td>THK.(NESS)</td><td></td><td></td></tr><tr><td></td><td>TOWER MOUNTED AMPLIFIER</td><td></td><td></td></tr><tr><td></td><td>(DC SUPPLY VOLTAGE)</td><td></td><td></td></tr><tr><td></td><td>TOE NAIL</td><td></td><td></td></tr><tr><td></td><td>TOP OF ANTENNA</td><td></td><td></td></tr><tr><td></td><td>TOP OF CURB</td><td></td><td></td></tr></table>				MTD.	MOUNTED	T.O.F.	TOP OF FOUNDATION	MTG.	MOUNTING	T.O.P.	TOP OF PLATE (PARAPET)	MTL.	METAL	T.O.S.	TOP OF STEEL	N	NEUTRAL	T.O.W.	TOP OF WALL	N	NEW	TYP.	TYPICAL	N	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.	U.G.	UNDER GROUND	NEMA	NUMBER	U.L.	UNDERWRITERS LABORATORY INC.	NO.(#)	NOT TO SCALE	UMTS	UNIVERSAL MOBIL TECH. SYS. (3G MOBILE TECH.)	N.T.S.	OPTICAL BASEBAND INTERFACE	U.N.O.	UNLESS NOTED OTHERWISE	OBIF	OVERHEAD	V	VOLT	OH	ON CENTER	VAC	VOLT ALTERNATING CURRENT	O.C.	OPENING	V.I.F.	VERIFY IN FIELD	OPNG.	POLE	W	WATT OR WIRE	P	PRECAST CONCRETE	WD	WIDE(WIDTH)	P/C	PERSONAL COMMUNICATION SERVICES	W/O	WITH	PH.	PHASE	W/O	WITHOUT	PLY.	PLYWOOD	WD.	WOOD	PNLBD	PANELBOARD	W.P.	WEATHERPROOF	PPC	POWER PROTECTION CABINET	WT.	WEIGHT	PRC	PRIMARY RADIO CABINET	XFMR	TRANSFER	PRI	PRIMARY	XLPE	TRANSFORMER	P.S.F.	POUNDS PER SQUARE FOOT	E	CROSS-LINK POLYETHYLENE	P.S.I.	POUNDS PER SQUARE INCH		CENTERLINE	P.T.	PRESSURE TREATED		PLATE, PROPERTY LINE	PWR.	POWER (CABINET)			QTY.	QUANTITY			RAD.(R)	RADIUS			RBS	RADIO BASE STATION (BASE STATION 3G NETWORKS)			RCPT.	RECEPTACLE			REF.	REFERENCE			REINF.	REINFORCEMENT(ING)			REQ'D.	REQUIRED			RGS.	RIGID GALVANIZED STEEL			RRU	REMOTE RADIO UNIT (RADIO TRANSCEIVER)				RECEIVER AIR INTERFACE TRAY				SAFETY				SCHEDULE				SOFT DRAWN BARE COPPER				SECONDARY				SHEET				SIMILAR				S.M.				S.N.				SPEC.				SO.				S.S.				STD.				STEEL				STRUCTURAL				SURF				SW				TEL.				MASONRY				TEMP.				THK.(NESS)				TOWER MOUNTED AMPLIFIER				(DC SUPPLY VOLTAGE)				TOE NAIL				TOP OF ANTENNA				TOP OF CURB		
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NOTES FOR EXISTING T-MOBILECELL SITES:				<ol style="list-style-type: none">PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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GENERATOR BATTERY
NO SCALE



BATTERY
NO SCALE



DIESEL
NO SCALE

ALERTING SIGNS
NO SCALE



ALERTING SIGN
NO SCALE

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INFO SIGN
NO SCALE

GENERAL SIGNAGE GUIDELINES								
Structure Type	INFO SIGN #1	INFO SIGN #2	INFO SIGN #3	INFO SIGN #4	INFO SIGN #5	Striping	NOTICE SIGN	CAUTION SIGN
Towers								
MONOPINE/Monopine/Monopalm	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			At the height of the first climbing step, min. 9ft above ground
SCE Towers/Towers with high voltage	entrance gates, shelter doors OR on the outdoor cabinets	climbing side of the Tower	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			At the height of the first climbing step, min. 9ft above ground
Light Poles/Flag Poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			
Utility Wood Poles (JPA)	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet		If GP max value of MPE at antenna level is: 0–99%: Notice sign; over 99%: Caution sign at no less than 3ft below antenna and 9ft above ground	
Microcells mounted on non–JPA poles	entrance gates, shelter doors OR on the outdoor cabinets	on the pole, no less than 3ft below the Antenna and no	on backside of Antennas	on the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Notice or Caution sign at no less than 9ft above ground; only if the exposure exceeds 90% of the General Public Exposure at 6ft above ground or at
Roof Tops								
At all access points to the roof	X							
On Antennas	X		X	X				
Concealed Antennas	X	X						
antennas mounted facing outside the building	X	X						
antennas on support structure	X	X						
Roofview Graph:								
Radiation area is within 3ft from antenna	X	adjacent to each antenna					either Notice or Caution sign (based on Roofview results) at antennas/barrier	
Radiation area is beyond 3ft from antenna	X	adjacent to each antenna				diagonal, yellow striping as to Roofview graph		
Church Steeples	Access to steeple	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign at the antennas
Water Stations	Access to ladder	adjacent to antennas if antennas are concealed	On backside of Antennas	On the side of Antennas	On the shelter door or on one outdoor equipment cabinet			Caution sign beside info sign #1, min. 9ft above ground
Notes for Rooftop sites:								
1. Either NOTICE or CAUTION signs need to be posted at each sector as close as possible to: the outer edge of the striped off area of the outer antennas of the sector.								
2. If Roofview shows: only blue = Notice Sign, blue and yellow = Caution Sign, only yellow = Caution sign to be installed.								
3. Should the Required striping area interfere with any structures or equipment (A/C, vents, roof hatch, doors, other antennas, dishes, etc.).								
please notify T–MOBILEto modify the striping area, prior to starting the work								

SIGNAGE GUIDELINES CHART
NO SCALE



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PG	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

PROJECT INFORMATION

CA-1374

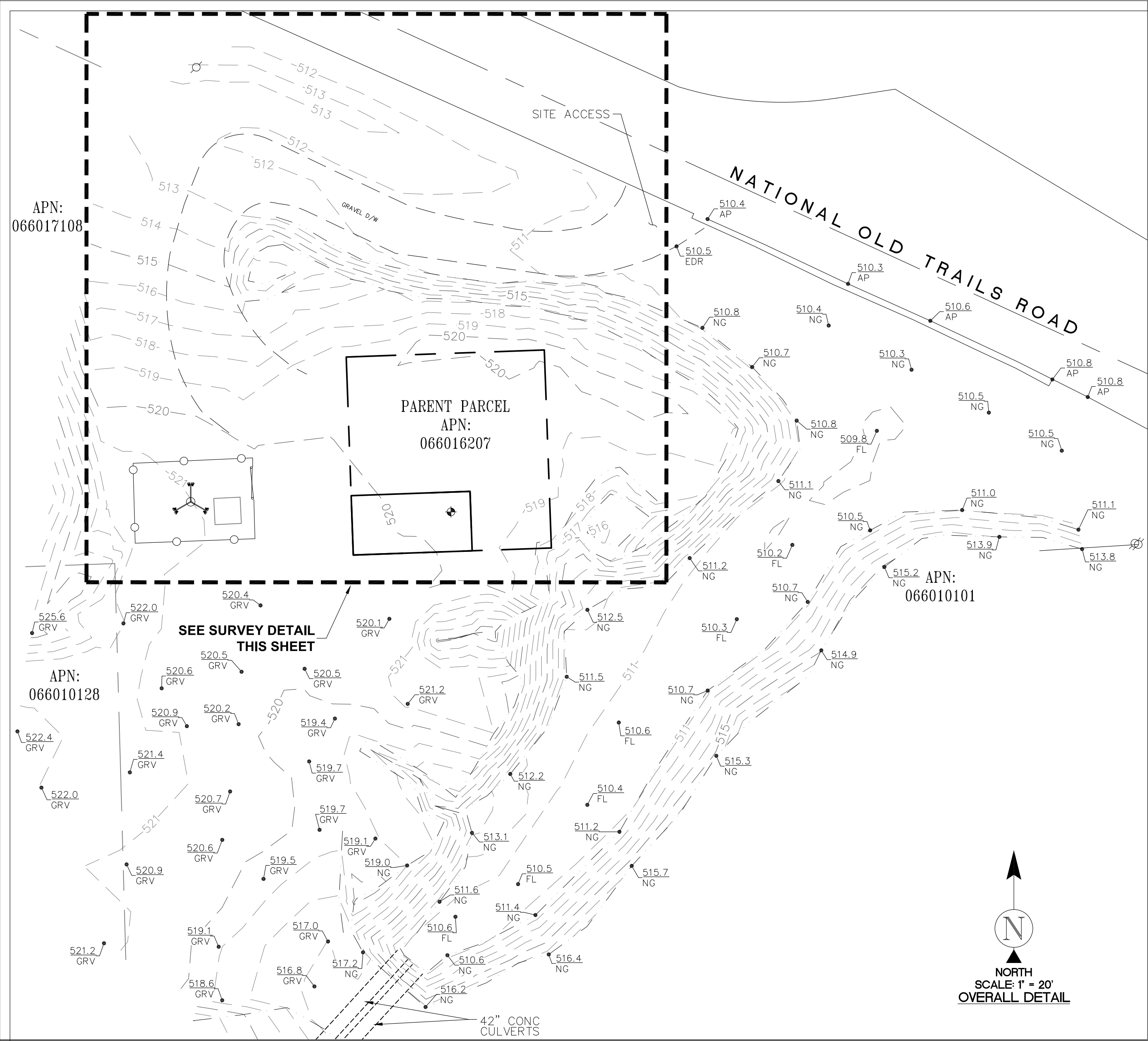
NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET TITLE

GENERAL SIGNAGE

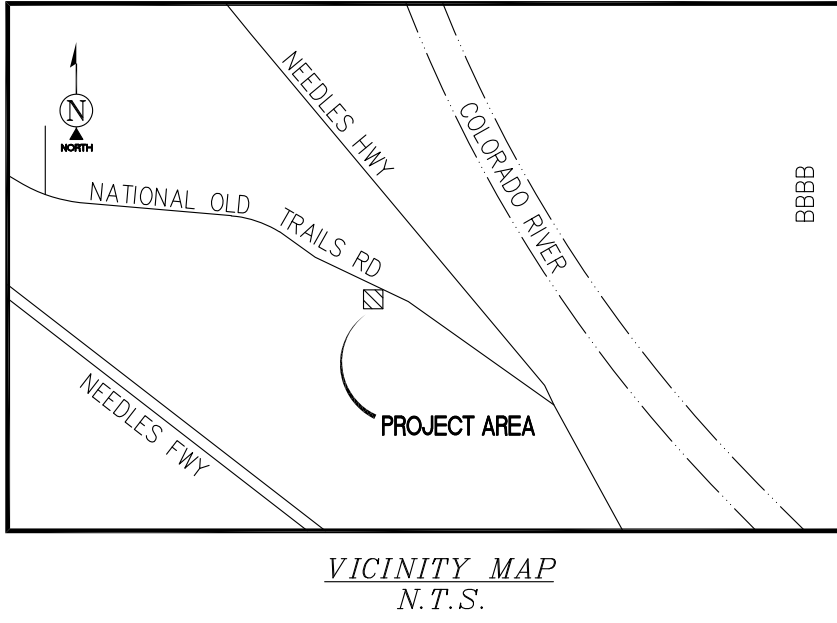
SHEET NUMBER

T-3



LEGEND

BLDG	TOP OF BUILDING		TELECOMMUNICATIONS MONOPOLE
CONC	CONCRETE		
EDR	EDGE OF GRAVEL ROAD		POSITION OF GEODETIC COORDINATES
EP	EDGE OF PAVEMENT		
FL	FLOW LINE		SPOT ELEVATION
NG	NATURAL GRADE		
TOE	TOE OF SLOPE		
TOP	TOP OF SLOPE		
			CHAIN LINK FENCE
			EXISTING BUILDINGS
			STREET CENTERLINES
			SUBJECT PROPERTY LINE
			ADJACENT PROPERTY LINE
			LEASE AREA LIMITS
			MAJOR CONTOUR INTERVAL
			MINOR CONTOUR INTERVAL



SURVEY DATE
07/11/2023

BASIS OF BEARING
BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE FIVE STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011). DETERMINED BY RAW STATIC GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE NGS OPUS WEBSITE.

BENCHMARK
PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 18' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY RAW STATIC GPS DATA PROCESSED ON THE NGS OPUS WEBSITE. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

GRID-TO-GROUND SCALE FACTOR NOTE
ALL BEARINGS AND DISTANCES ARE BASED ON THE CALIFORNIA STATE ZONE FIVE STATE PLANE COORDINATE ZONE GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99992413

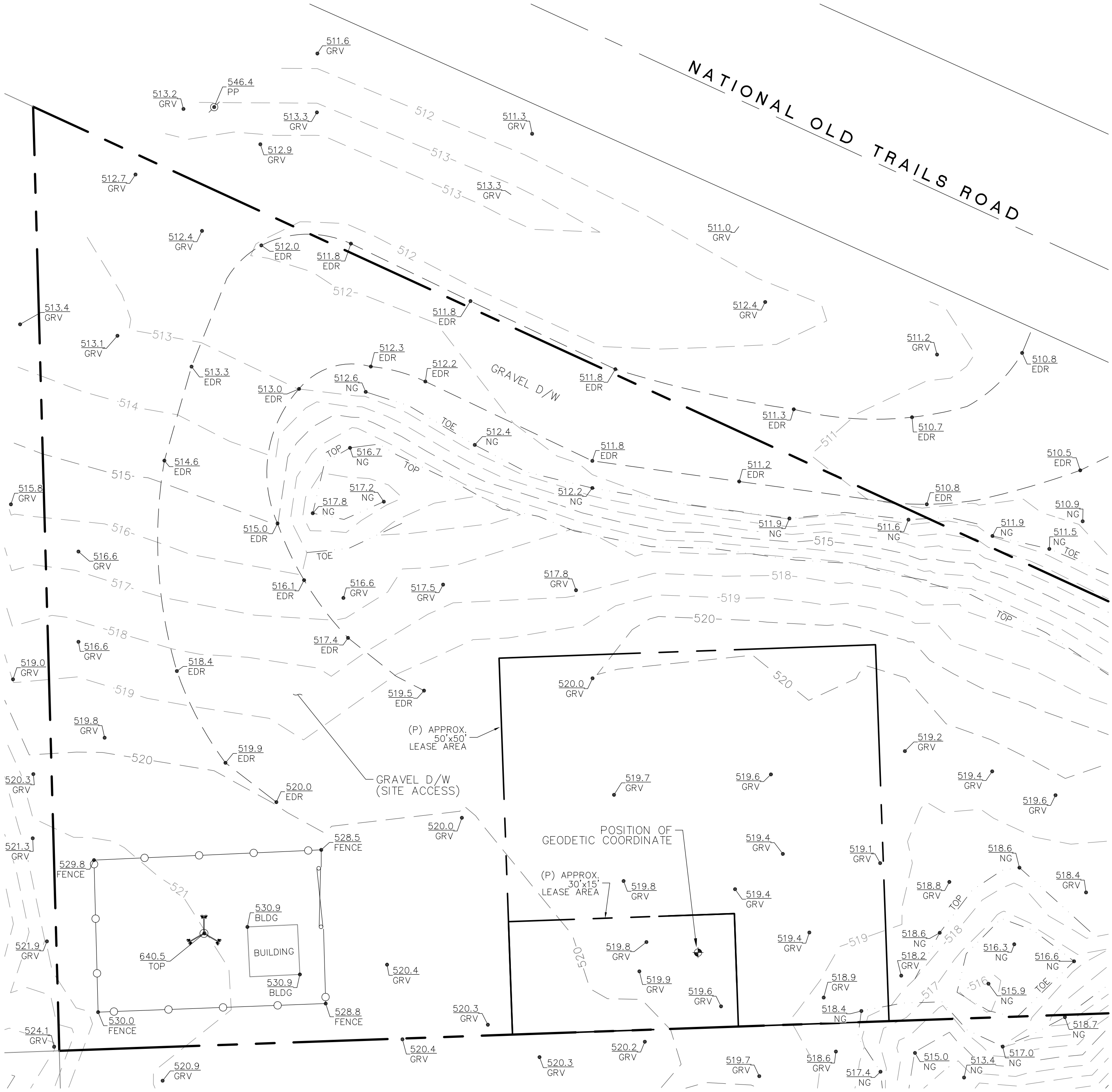
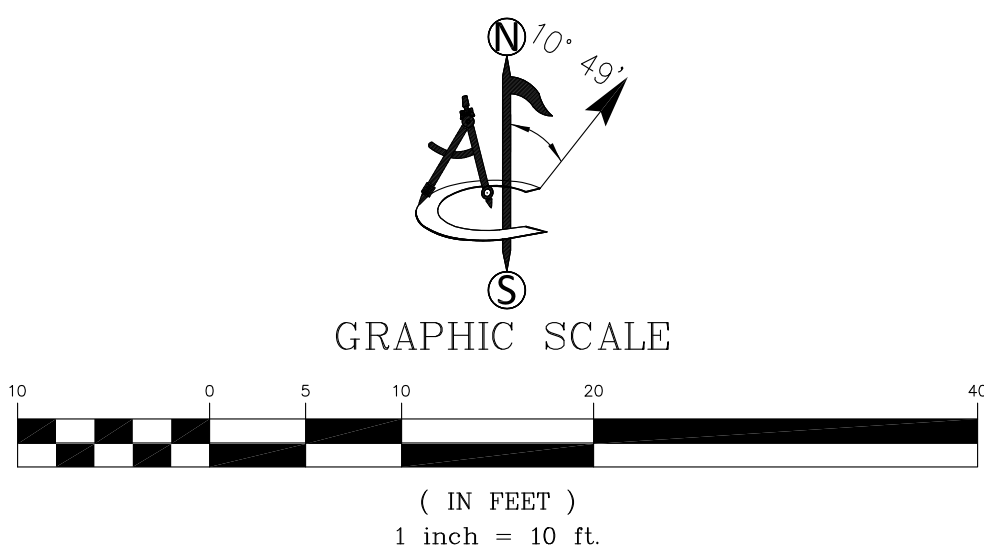
FLOOD ZONE
THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06071C5010H, DATED 08/28/2008

SURVEYOR'S NOTES
CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

POSITION OF GEODETIC COORDINATES
LATITUDE 34° 51' 57.74" (34.866040°) NORTH (NAD83)
LONGITUDE 114° 38' 07.81" (114.635501°) WEST (NAD83)
GROUND ELEVATION @ 519.5' (NAVD88)



APC Towers
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WWW.APCTOWERS.COM

PROJECT INFORMATION:

CL-1374

**NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363
SAN BERNARDINO COUNTY**

ORIGINAL ISSUE DATE:

07/16/2023

REV.: DATE: DESCRIPTION: BY:

0	07/16/23	PRELIM SUBMITTAL	RR

SURVEY PREPARED BY:

ambit consulting

428 MAIN STREET
SUITE 206
HUNTINGTON BEACH, CA 92648
PH. (480) 659-4072
www.ambitconsulting.us

CONSULTANT:

DRAWN BY: CHK.: APV.:

RR	NS	XX
----	----	----

LICENSER:

PRELIMINARY

PATRICK B. DONOHOE
P.L.S. NO. 9332

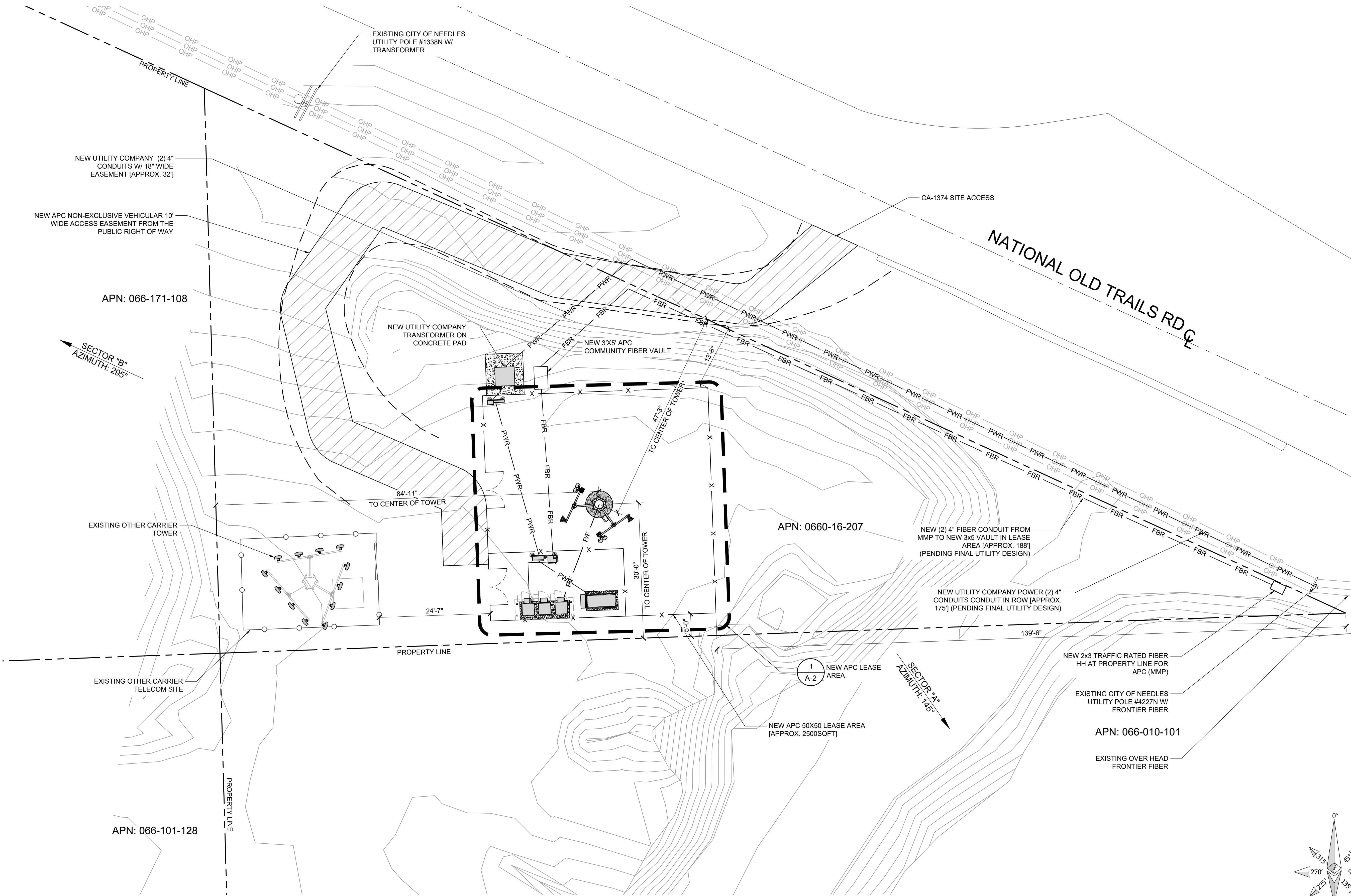
SHEET TITLE:

SITE SURVEY

SHEET NUMBER:

LS-1

- NOTES:
1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
 2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
 3. UTILITY DESIGNS AND ROUTES ARE PRELIMINARY PENDING FINAL DESIGN BY UTILITY PROVIDER.
 4. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY.



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an SFC Communications, Inc. Company
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PG	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

PROJECT INFORMATION

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

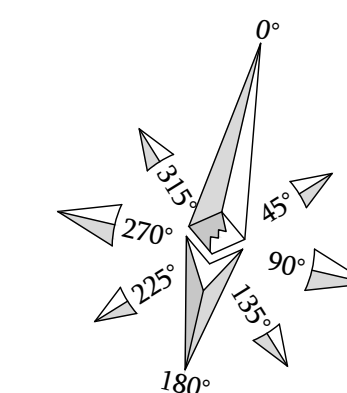
SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1

1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS



A-2

SCALE	2'	0	1'	2'	4'	8'
3/8"=1'-0"						

Agenda Item #1.

ANTENNA SCHEDULE (VERIFY WITH CURRENT RFDS)							
	SECTOR	TECHNOLOGY	ANTENNA MODEL	ANTENNA SIZE	ANTENNA AZIMUTH	RAD CENTER	TRANSMISSION CABLE LENGTH
ALPHA SECTOR	A1	700/850/PCS/AWS	NHH-65C-R2B	8'-0"	145°	180'-0"	-
	A2	-	SPARE	-	-	-	-
	A3	L6	AIR6419_B77D	2'-7"	145°	182'-6"	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
BETA SECTOR	B1	700/850/PCS/AWS	NHH-65C-R2B	8'-0"	295°	180'-0"	-
	B2	-	SPARE	-	-	-	-
	B3	L6	AIR6419_B77D	2'-7"	295°	182'-6"	-
	-	-	-	-	-	-	-
	-	-	-	-	-	-	-

REMOTE RADIO UNIT SCHEDULE						
SECTOR	RRU TYPE	RRU LOCATION (DISTANCE FROM ANTENNA)	MINIMUM CLEARANCES			
			ABOVE	BELOW	SIDES	
ALPHA SECTOR	A1	(1) ERICSSON RRU 4480 B71 / B85	±15'	16"	8"	0"
	A1	(1) ERICSSON RRU 4460 B25 / B66	±15'	16"	8"	0"
	A2					
	A3					
	A4					
	A5					
BETA SECTOR	B1	(1) ERICSSON RRU 4480 B71 / B85	±15'	16"	8"	0"
	B1	(1) ERICSSON RRU 4460 B25 / B66	±15'	16"	8"	0"
	B2					
	B3					
	B4					
	B5					

SURGE SUPPRESSION SYSTEM SCHEDULE				
SYSTEM	MFR.	PART NUMBER	QTY	LOCATION
	RAYCAP	RVZDC-6627-PF-48	1	MOUNTED ON NEW MONOPOLE
	RAYCAP	RVZDC-4520-RM-48	1	MOUNTED WITHIN NEW EQUIPMENT CABINET

NOTES TO CONTRACTOR:

- CONTRACTOR IS TO REFER TO VERIZON'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION.
- CABLE LENGTHS WERE DETERMINED BASED ON A VISUAL INSPECTION DURING SITE WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK.
- CONTRACTOR TO USE ROSENBERGER FIBER LINE HANGER COMPONENTS (OR ENGINEER APPROVED EQUAL).
- CONTRACTOR TO USE CABLES SPECIFIED (OR ENGINEER APPROVED EQUAL).

NOTES:

- IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- ANTENNA AND MW APCSPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.

The diagram illustrates the antenna layout for the tower. It shows three sectors: ALPHA SECTOR (A1, A2, A3) and BETA SECTOR (B1, B2, B3). A central circular area represents the tower's base. Various antennas are shown with their respective labels and dimensions. Key dimensions include 4'-0" TYP., 8'-6" TYP., 5'-10" TYP., and 9'-5". A north arrow is located in the bottom right corner, and a scale bar is provided at the bottom of the page.

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Eukon

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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
PG	GD	RB

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

PROJECT INFORMATION

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET TITLE

ANTENNA PLAN AND SCHEDULE

SHEET NUMBER

A-3

2

ANTENNA AND RRU SCHEDULE

2

ANTENNA PLAN

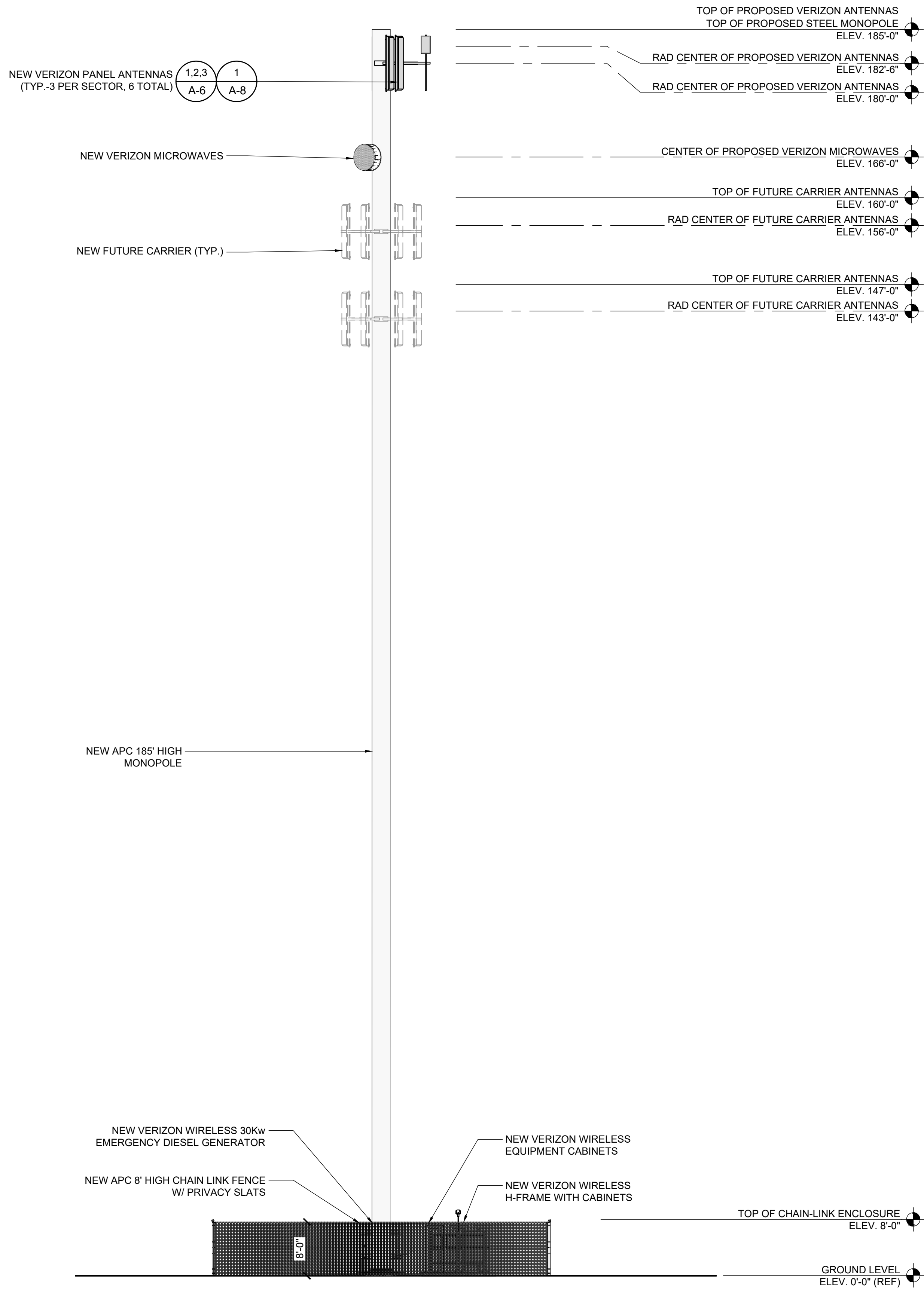
SCALE	2'	0	1'	2'	4'	8'
1/2"=1'-0"	1					

Page 12

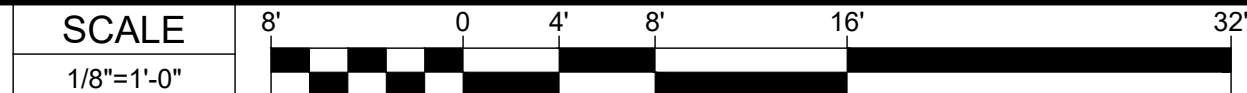
ATTACHMENT NO. 2

Agenda Item #1.

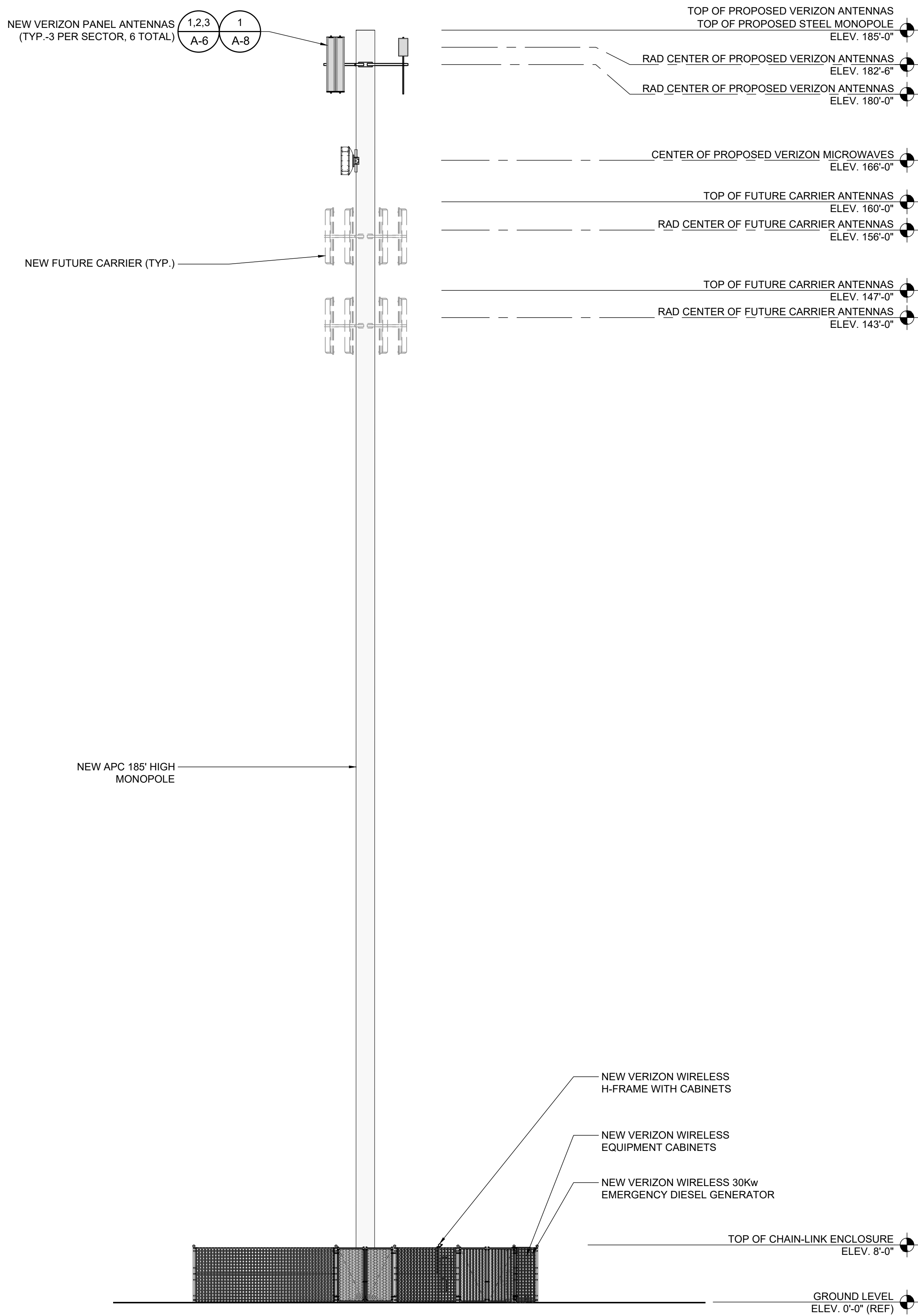
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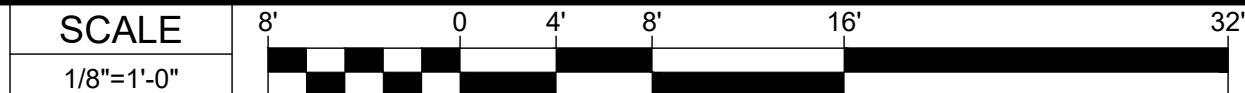
NEW NORTH ELEVATION



2



NEW WEST ELEVATION



1



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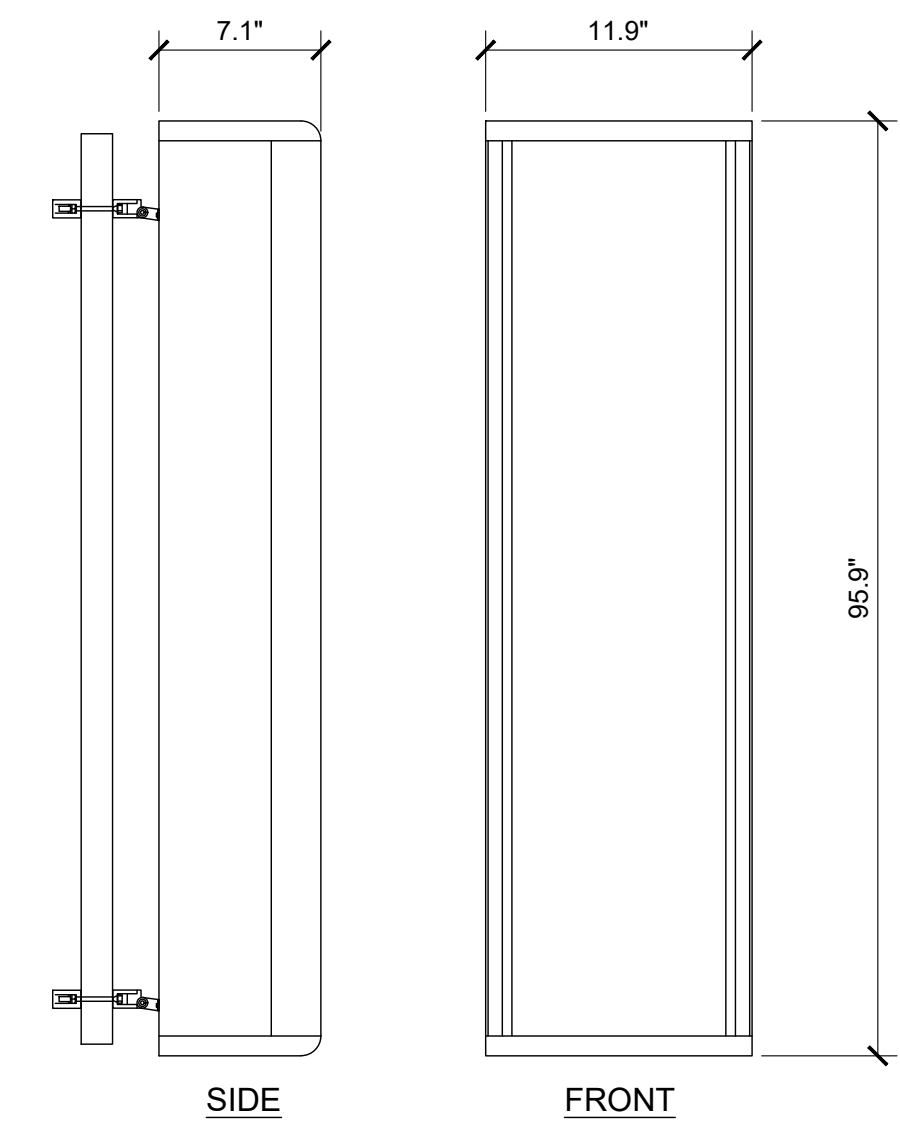
SHEET TITLE

ELEVATIONS

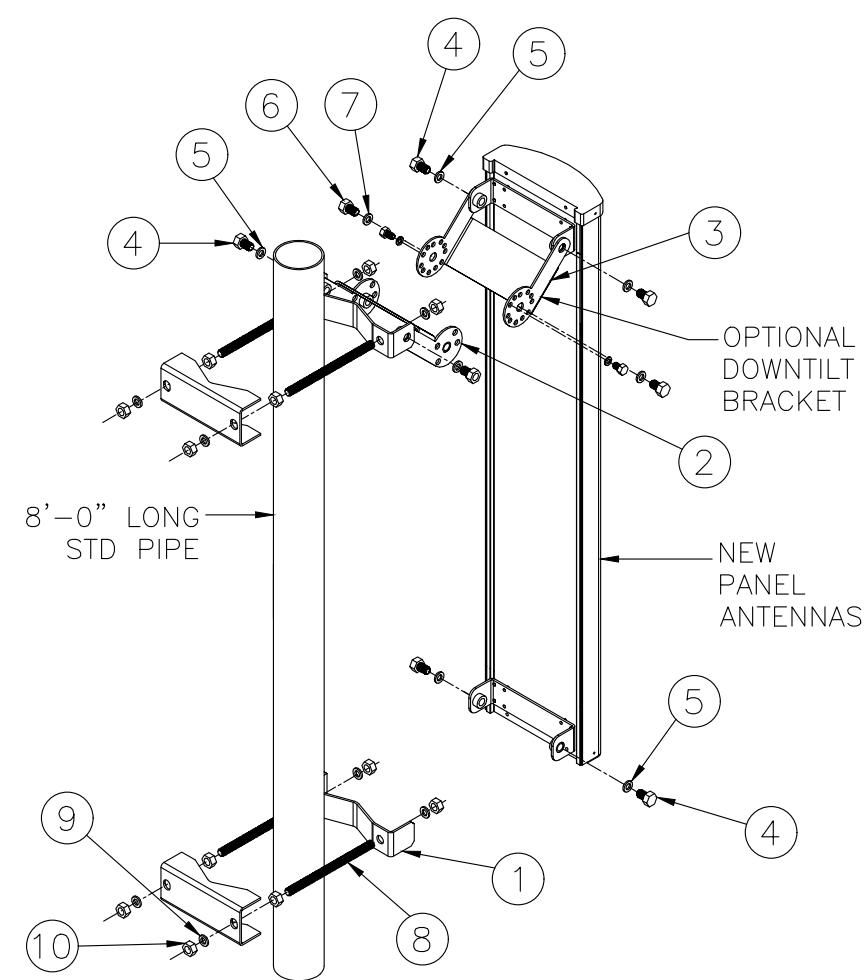
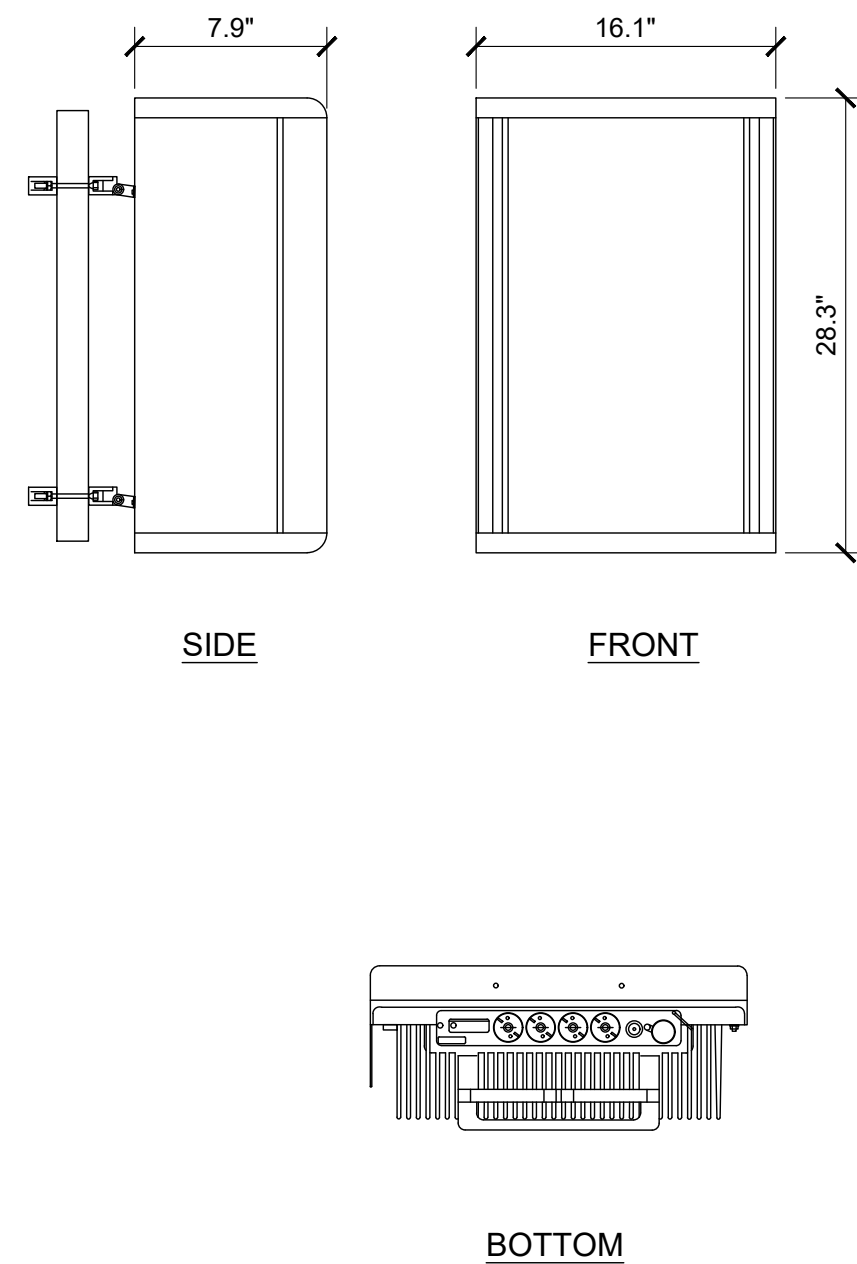
SHEET NUMBER

A-4

DIMENSIONS (LxWxD):	95.9 x 11.9 x 7.1 INCHES (2438 x 301 x 180 mm)
NET WEIGHT (WITHOUT MOUNTING):	51.6 lbs (23.4 kg)
WIND LOADING, FRONTAL:	88.3 lbf @ 150 km/h
WIND LOADING, LATERAL:	74.2 lbf @ 150 km/h
WIND LOADING, MAXIMUM:	170.2 lbf @ 150 km/h
WIND SPEED, MAXIMUM:	241 km/h (150 mph)



DIMENSIONS (LxWxD):	28.3 x 16.1 x 7.9 in
NET WEIGHT (WITHOUT MOUNTING):	66.1 lbs

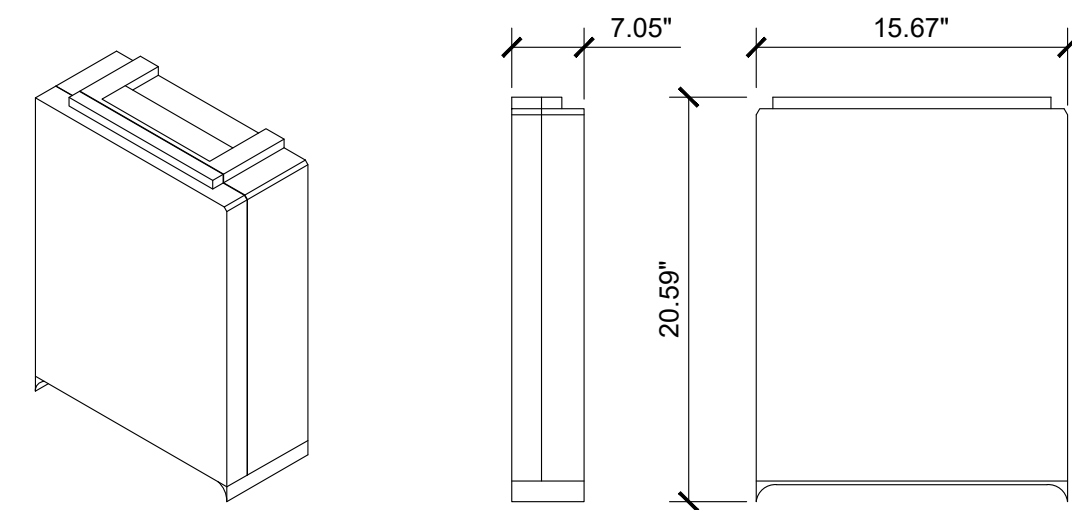


NOTES:

1. INSERT SCISSOR BRACKETS BETWEEN THE UPPER ANTENNA MOUNTING BRACKET AND THE UPPER POLE ADAPTER BRACKET. SECURE USING 1/2 INCH HARDWARE PROVIDED.
2. TO SET THE DEGREE OF DOWNTILT, ALIGN THE DESIRED HOLES ON THE SCISSOR BRACKETS AND SECURE USING 5/16 INCH HARDWARE PROVIDED.
3. THE NUMBER OF CONNECTORS WILL VARY BASED ON ANTENNA TYPE.

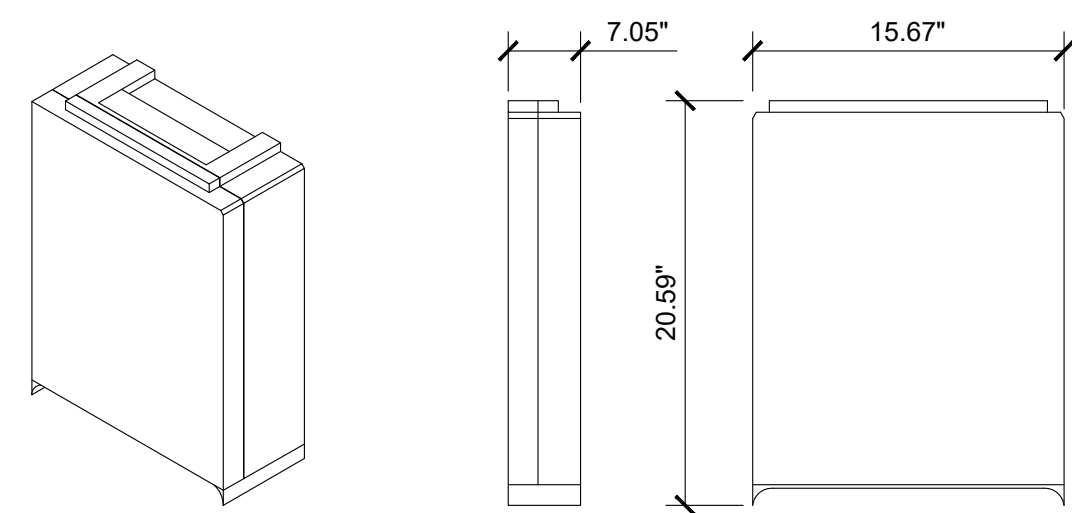
ITEM	QTY	DESCRIPTION
①	1	ADAPTER, POLE, LOWER
②	1	BRACKET, DOWNTILT, POLE
③	1	BRACKET, DOWNTILT, ANTENNA
④	6	1/2 x 1 HEX HEAD BOLT
⑤	6	1/2 SPLIT WASHER
⑥	2	5/16 x 1 HEX HEAD BOLT
⑦	2	5/16 SPLIT WASHER
⑧	4	1/2" THREADED ROD
⑨	8	1/2" SPLIT WASHER
⑩	12	1/2" NUT

DIMENSIONS (LxWxD): 20.55in x 15.63in x 7in
WEIGHT W/ MOUNTING: 90 lbs



SCALE	4
NONE	

DIMENSIONS (LxWxD): 20.59in x 15.67in x 7.05in
WEIGHT W/ MOUNTING: 92.3 lbs



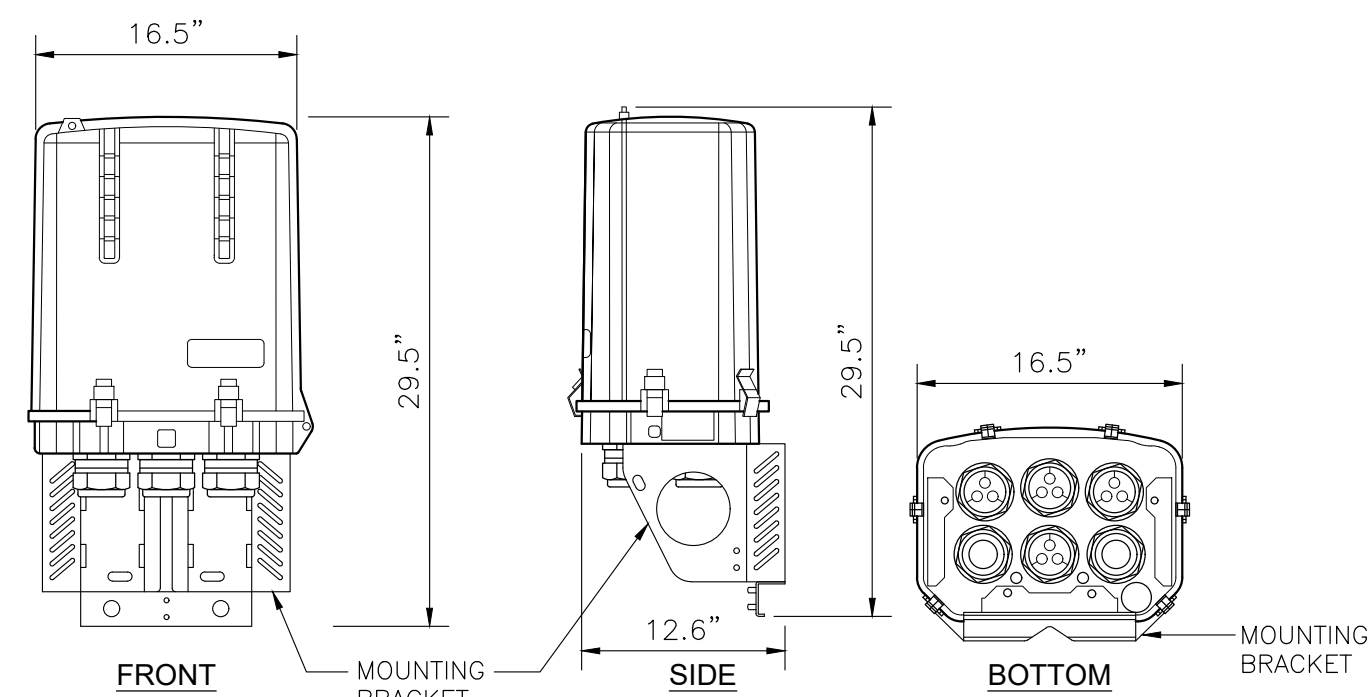
SCALE	1
NONE	

SCALE	2
NONE	

SCALE	3
NONE	

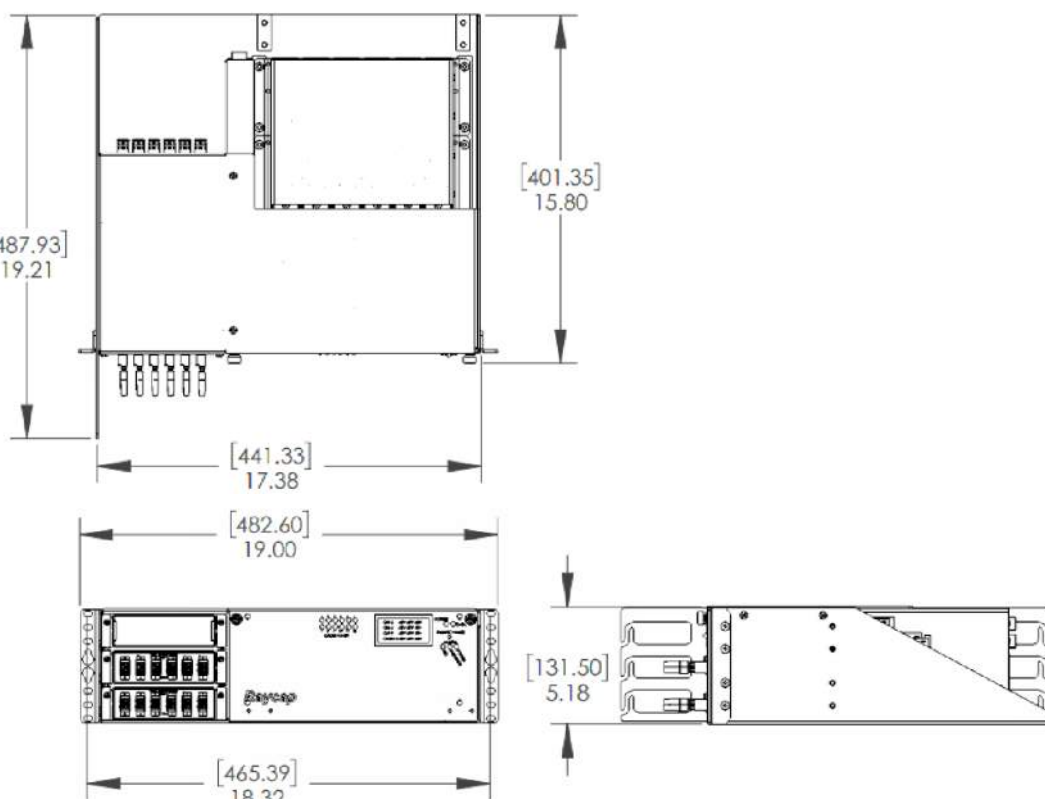
SCALE	5
NONE	

OPERATING TEMPERATURE:	-40° C TO +80° C
UV RESISTANT:	YES
DIMENSIONS:	12.6" X 16.5" X 29.5"
WEIGHT:	SYSTEM: 32 lbs



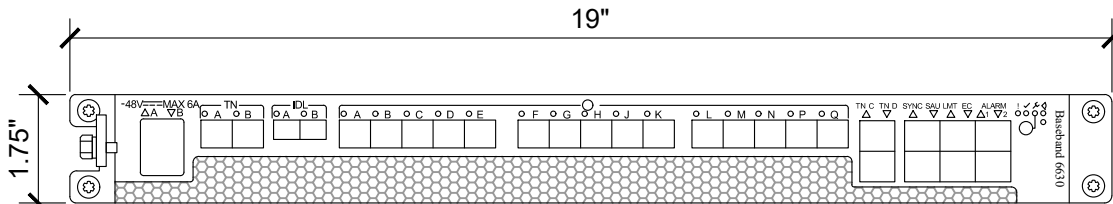
SCALE	6
NONE	

DIMENSIONS, WxDxH:	(18.32"x19.21"x5.18")
NOMINAL OPERATING VOLTAGE:	48 VDC
NOMINAL DISCHARGE CURRENT:	20 kA 8/20μs
MAXIMUM DISCHARGE CURRENT:	60 kA 8/20μs
MAXIMUM CONTINUOUS OPERATING VOLTAGE:	75 VDC
VOLTAGE PROTECTION RATING:	400 V
TOTAL WEIGHT:	22.10 lbs



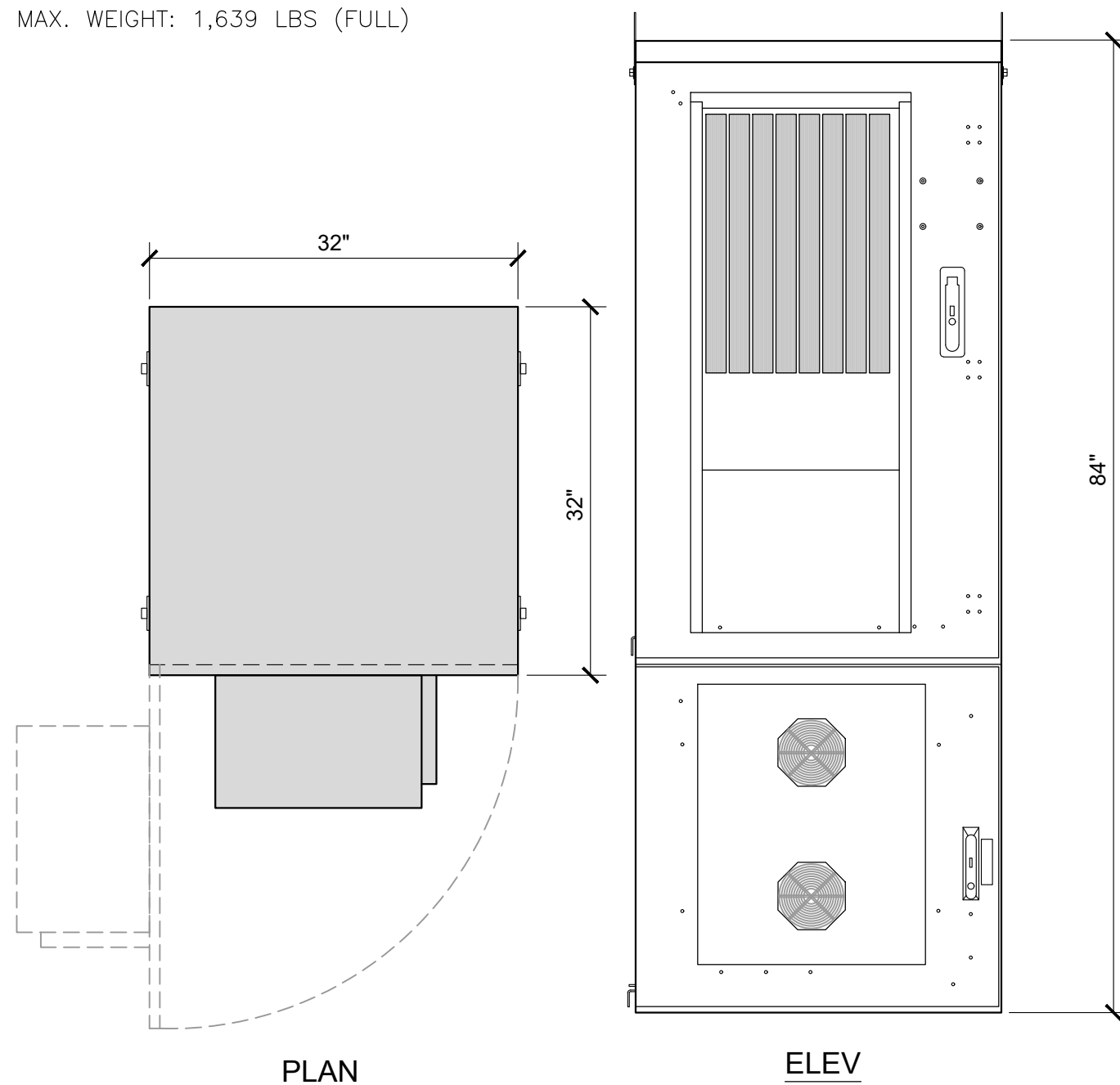
SCALE	9
NONE	

DIMENSIONS (HxWxD):	1.75"x19"x13.78"
WEIGHT:	14.33 lbs
TEMPERATURE:	0 TO +55°C
RELATIVE HUMIDITY:	5-95%
ABSOLUTE HUMIDITY:	1-29 g/m ₃

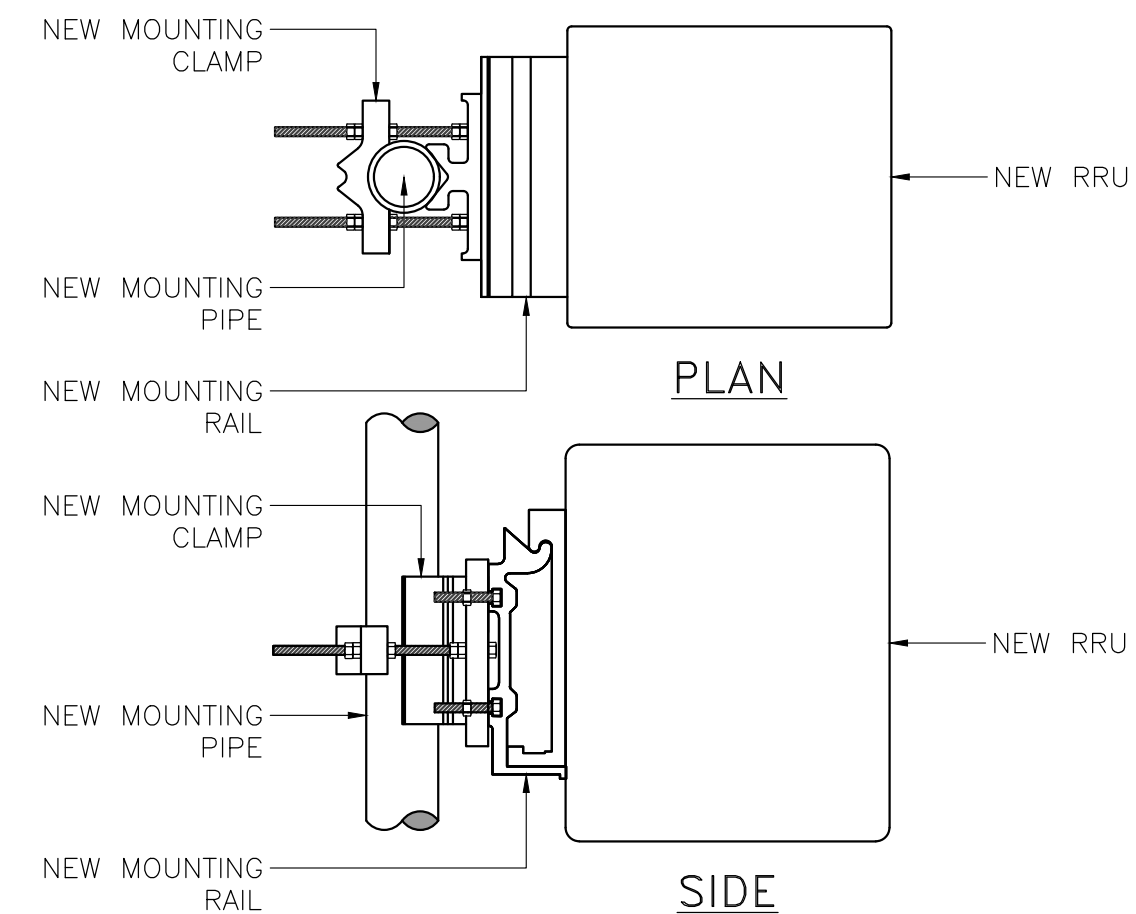


SCALE	7
NONE	

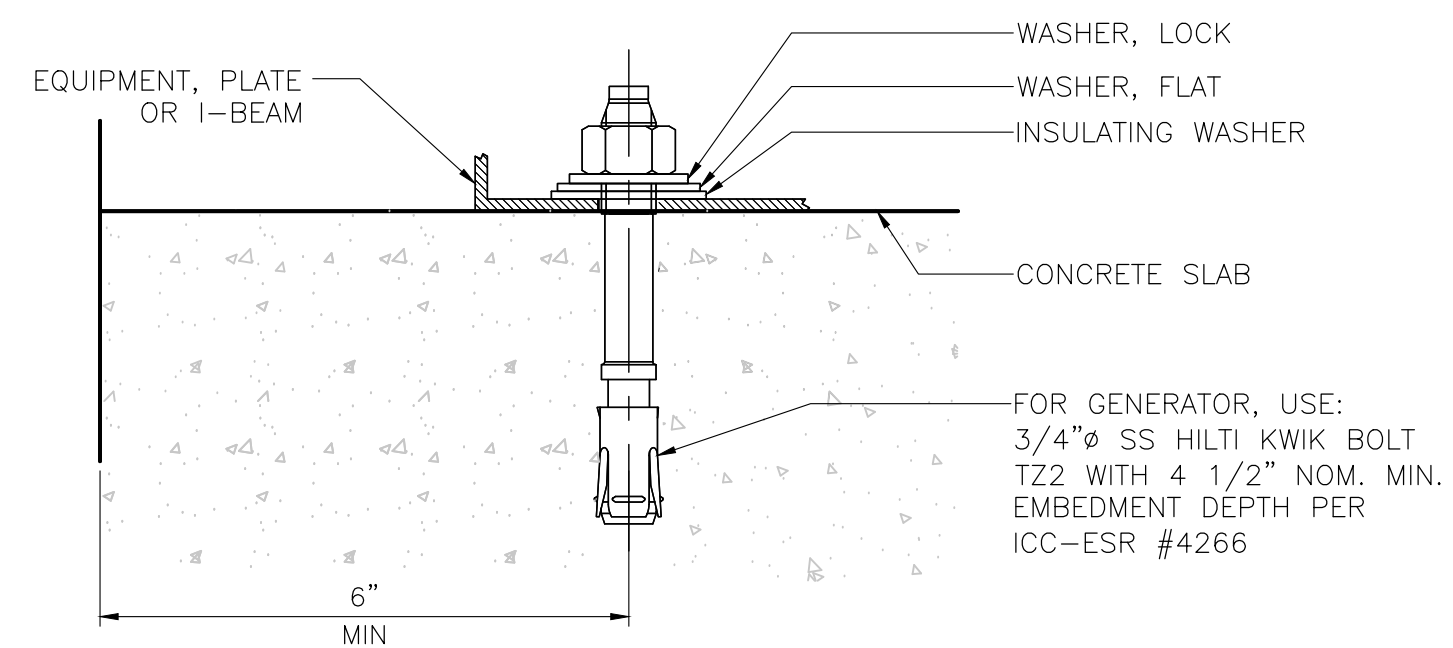
HEIGHT: 84"
WIDTH: 32"
DEPTH: 32"
MIN. WEIGHT: 600 LBS (EMPTY)
MAX. WEIGHT: 1,639 LBS (FULL)



SCALE	8
NONE	



SCALE	9
NONE	



NOTES:
1. MIN. (4) 3/4"Ø HILTI KWIK
BOLT TZ2 PER GENERATOR.

SCALE	10
NONE	



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TO ALTER THIS DOCUMENT.

DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
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PG	GD	RB
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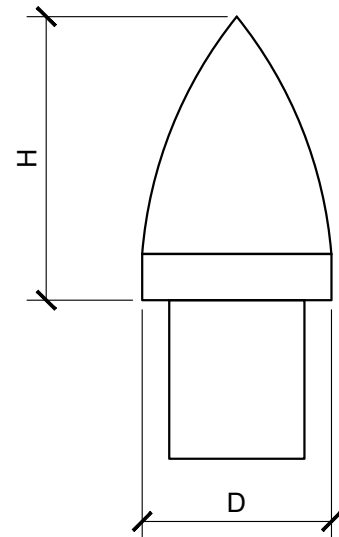
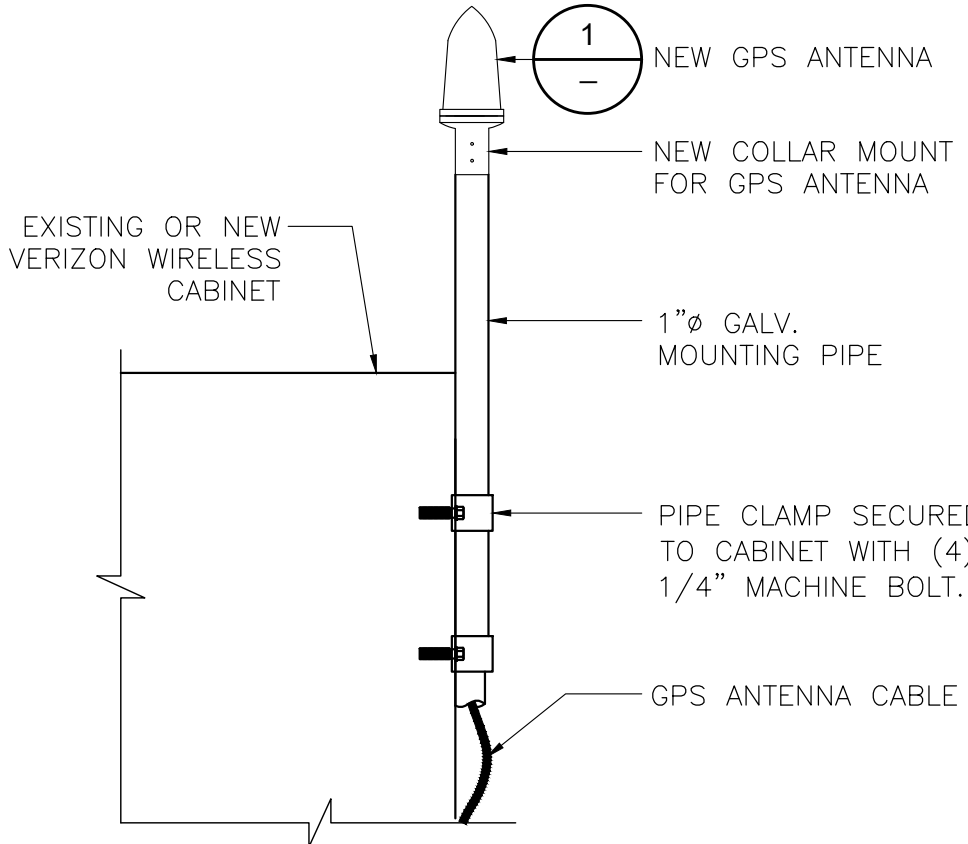
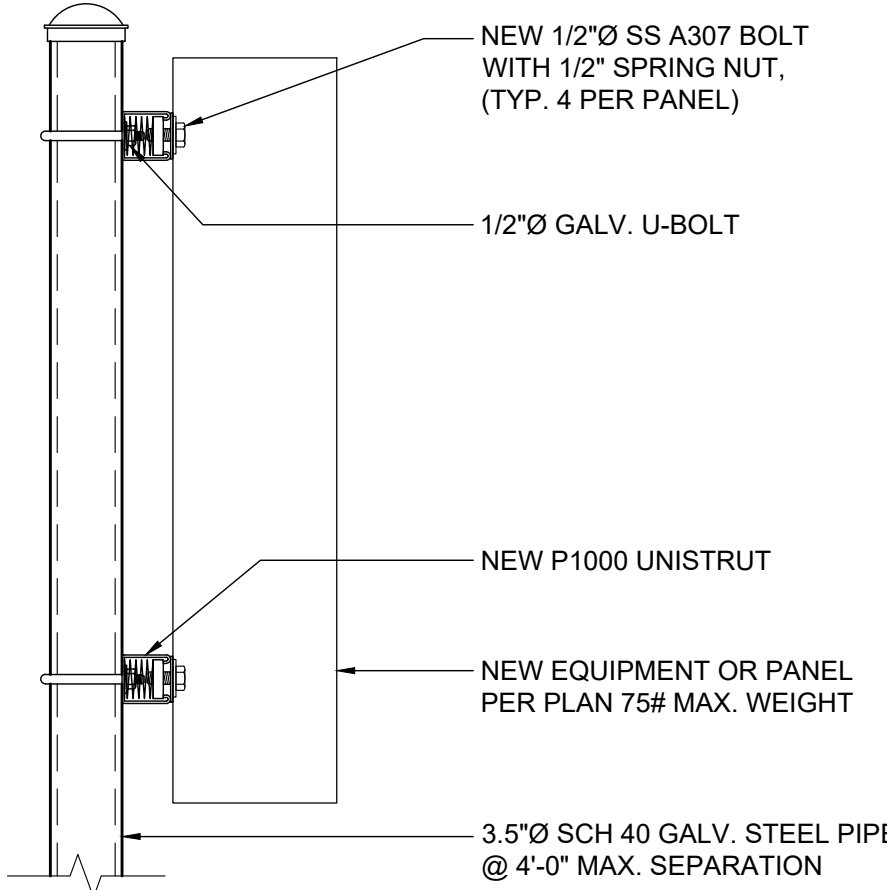


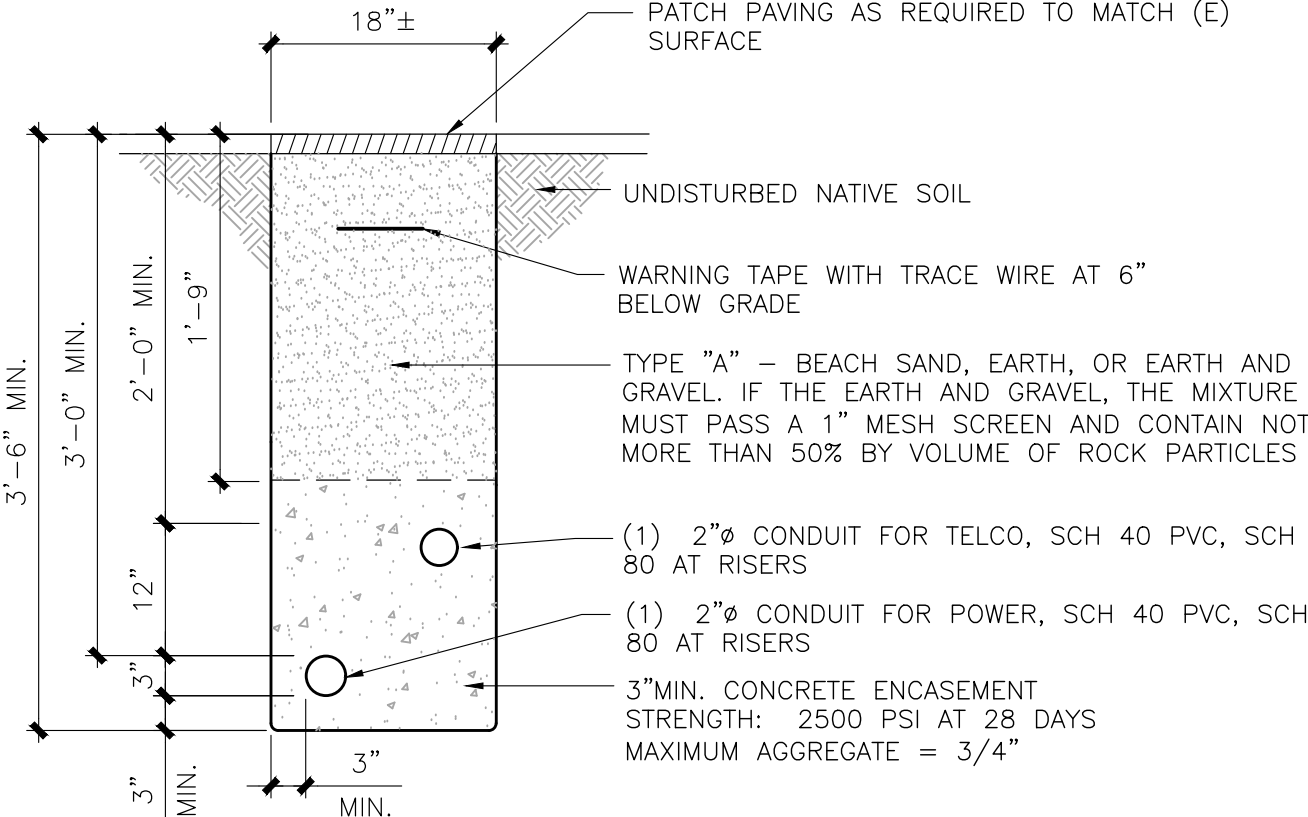
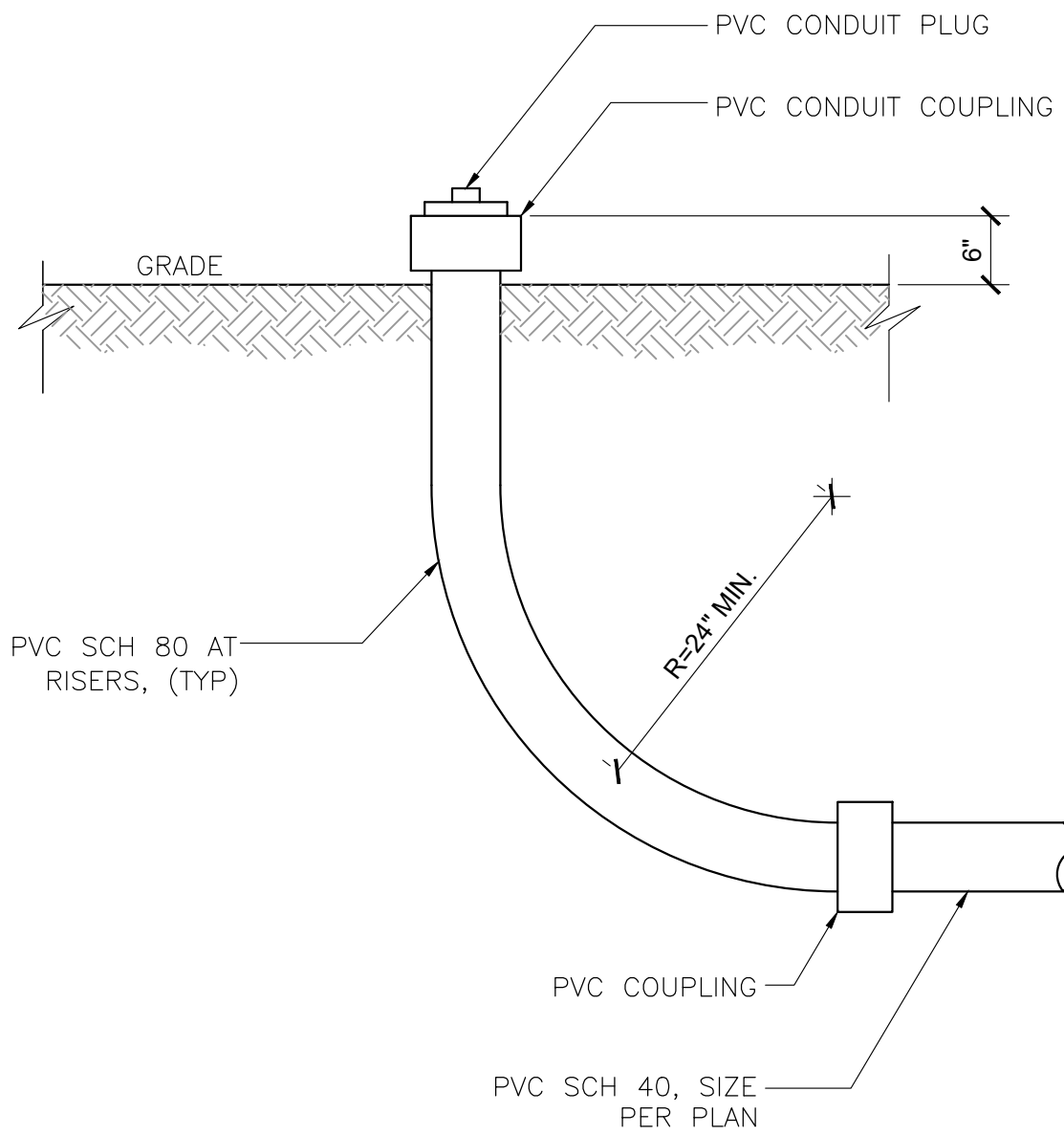
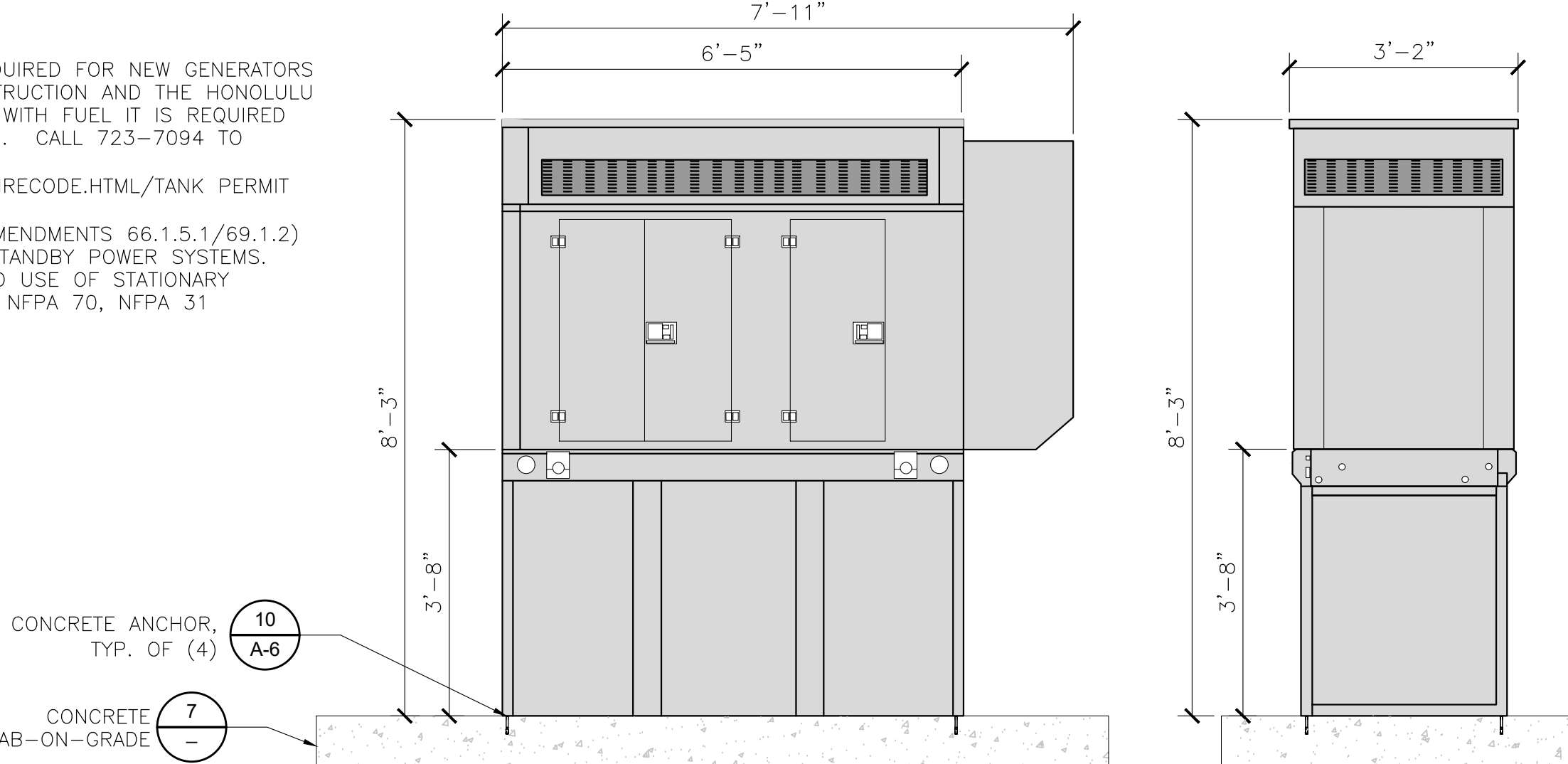
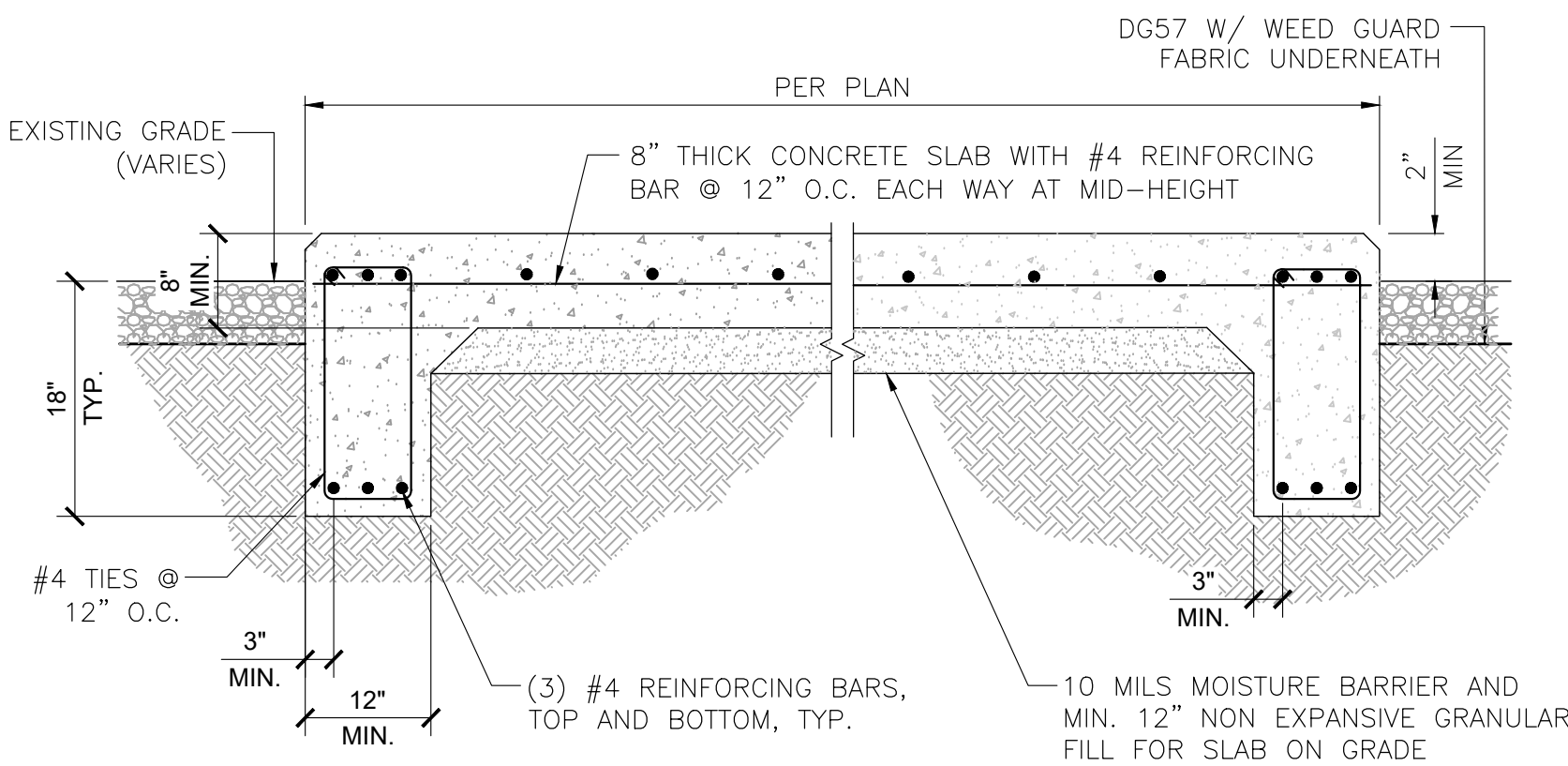
SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

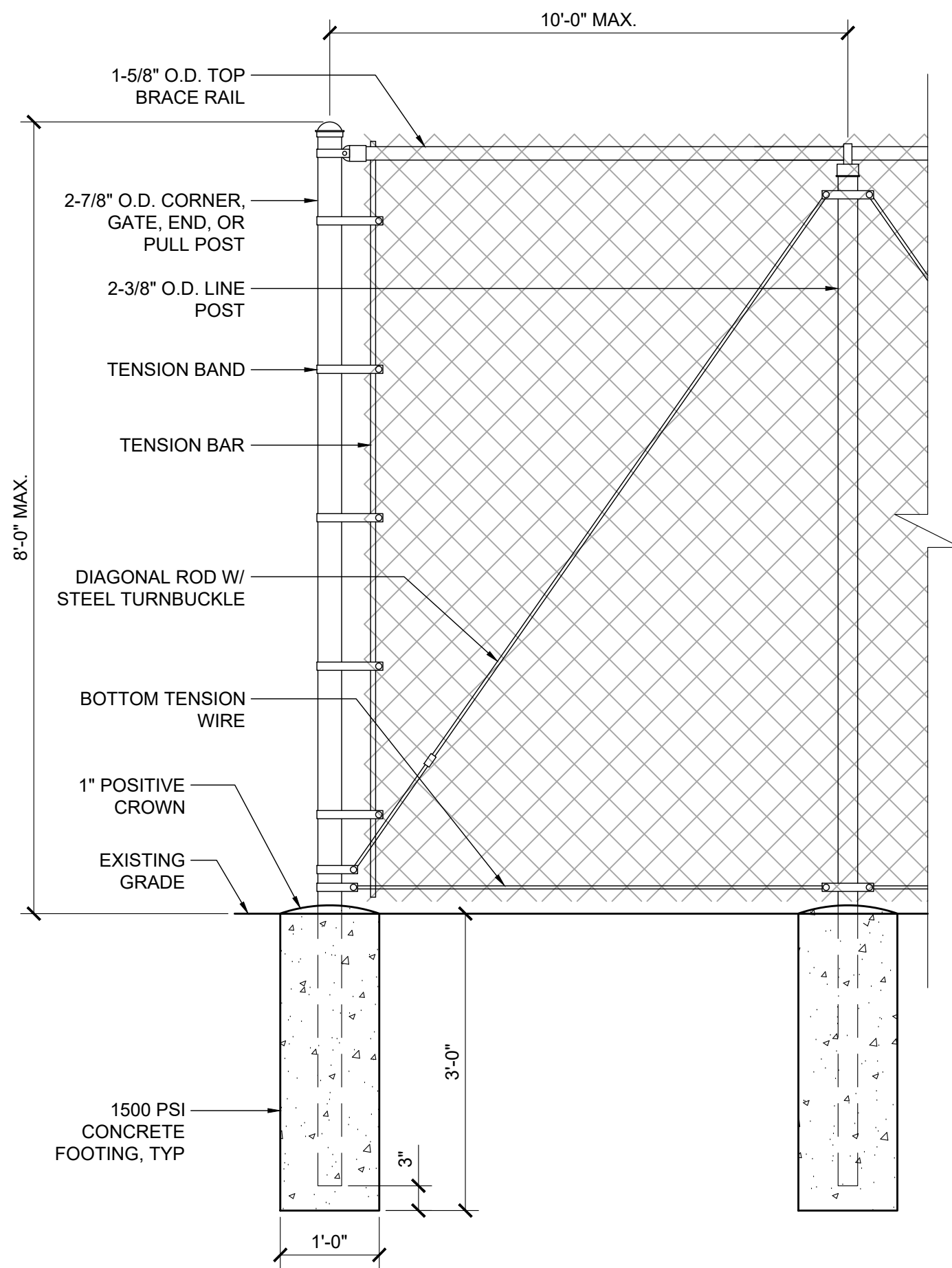
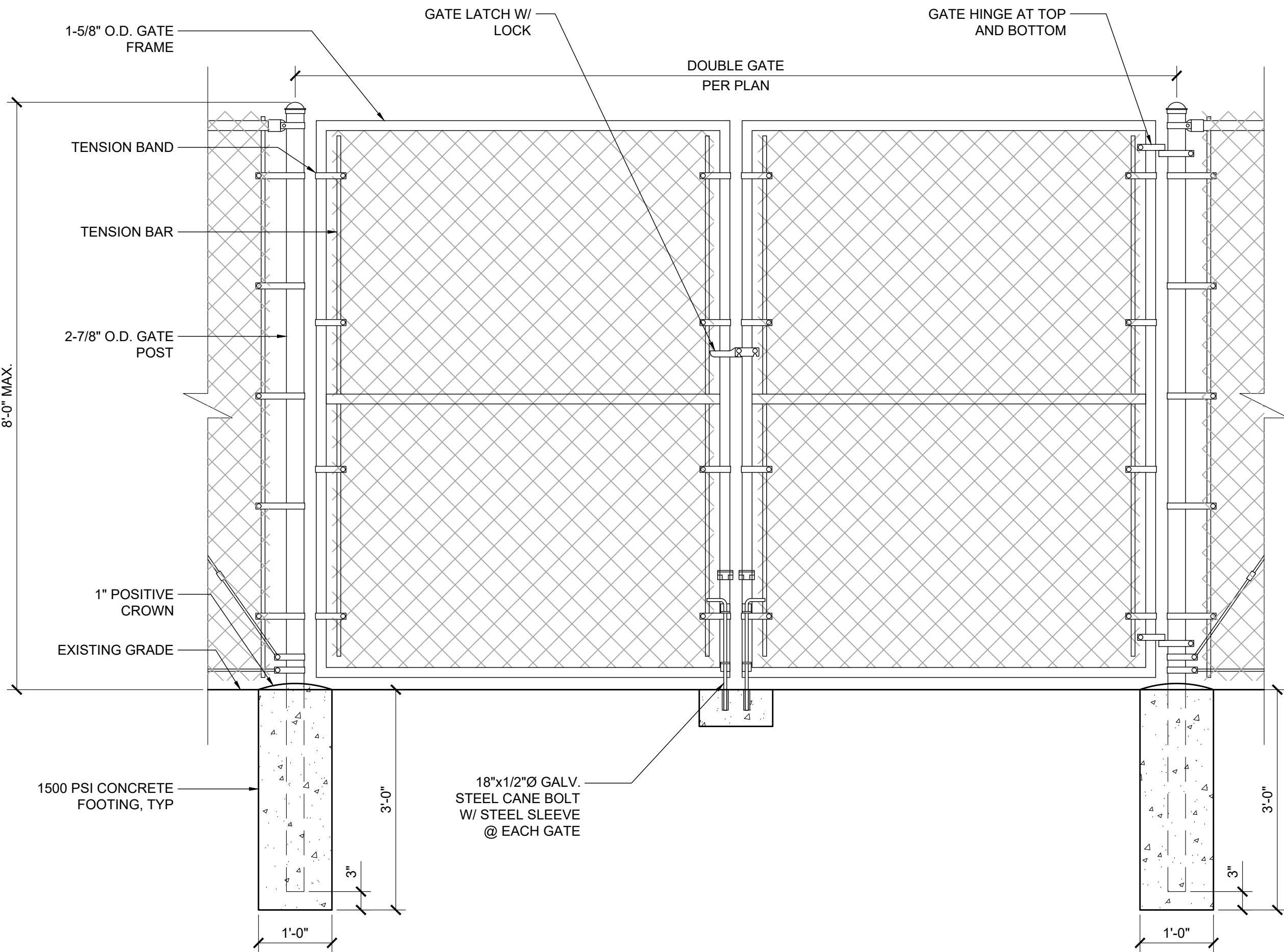
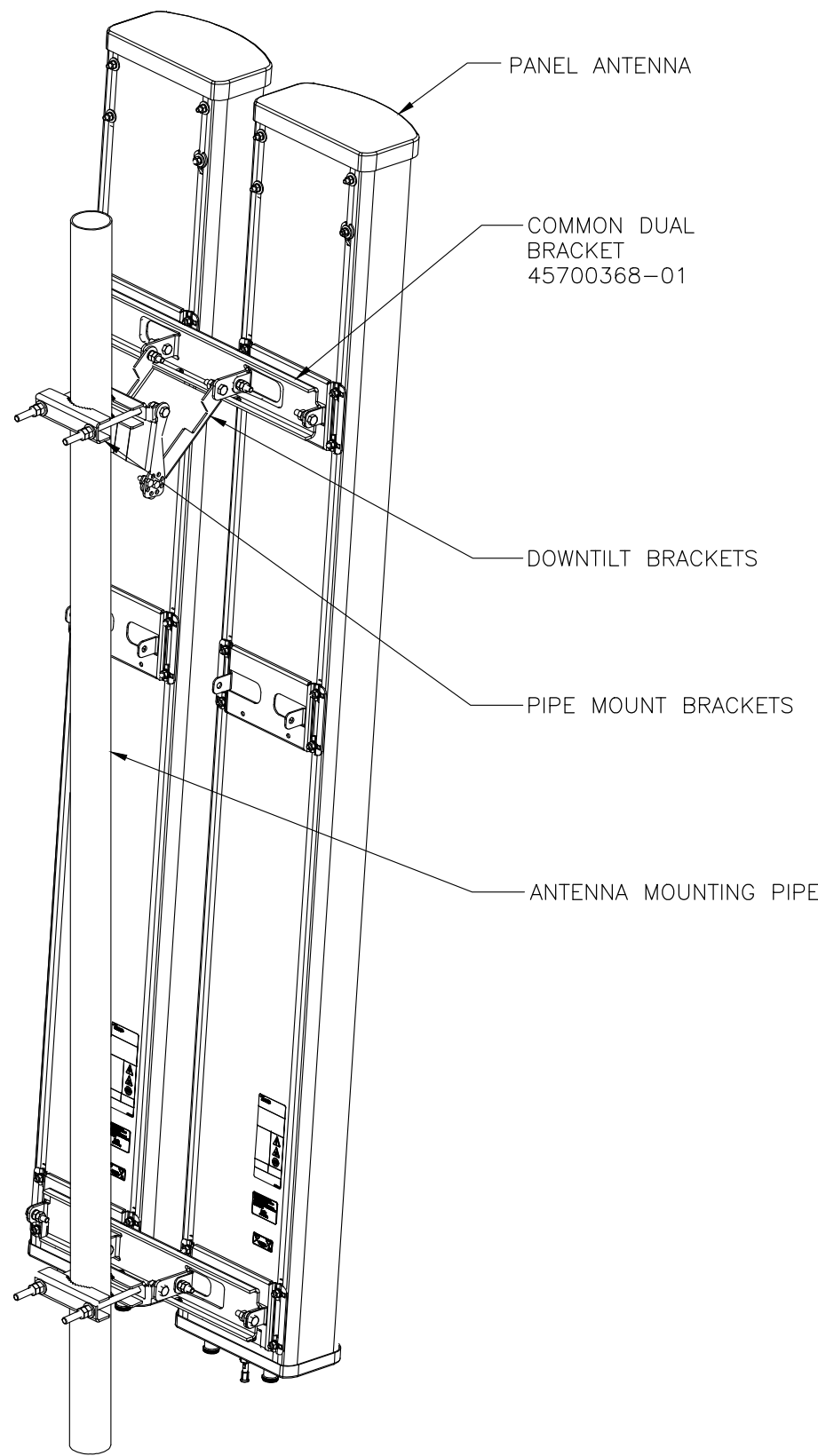
SHEET NUMBER

A-5

<div>GPS-QBW-26NMS</div> <div>GPS ANTENNA</div> <div>ANTENNA ELECTRICAL SPECIFICATIONS</div> <div><div>FREQUENCY BAND, MHz:</div><div>1575.42 +/-10</div></div> <div><div>ANTENNA GAIN, dBic:</div><div>4.5</div></div> <div><div>IMPEDANCE, ohms, nominal:</div><div>50</div></div> <div><div>VSWR:</div><div><1.5:1</div></div> <div><div>POLARIZATION:</div><div>RIGHT HAND CIRCULAR</div></div> <div><div>CONNECTOR:</div><div>N TYPE FEMALE</div></div> <div><div>CONNECTOR POSITION:</div><div>BOTTOM</div></div> <div><div>NUMBER OF CONNECTORS:</div><div>1</div></div> <div>MECHANICAL SPECIFICATIONS</div> <div><div>DIMENSIONS H x D, in (mm):</div><div>5.0 (126) x 3.2 (81)</div></div> <div><div>WEIGHT, lb (kg):</div><div>0.6 (0.3)</div></div> <div><div>RADOME COLOR</div><div>WHITE</div></div> <div><div>MOUNTING HARDWARE:</div><div>MODEL GPS-QBW-26N DOES NOT INCLUDE MOUNTING HARDWARE.</div><div>MODEL GPS-1BW-26NMS INCLUDES STANDARD MOUNTING HARDWARE. NMS VERSION INCLUDES COLLAR AND PIPE CLAMP. PIPE DIAMETER OUTER, in (mm): 1.0 (25) to 1.45 (37)</div></div> <div></div>		<div>NOTES:</div> <div><div>1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY AND CANNOT HAVE ANY BLOCKAGES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.</div><div>2. ALL GPS ANTENNA LOCATIONS MUST BE ABLE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES. VERIFY WITH HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.</div></div> <div></div>		<div></div>		<div><div></div><div>8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 WWW.APCTOWERS.COM</div></div> <div><div></div><div>an SFC Communications, Inc. Company</div><div>65 POST, SUITE 1000 IRVINE, CA 92618 TEL: (949) 553-8566 www.eukongroup.com</div></div>																																															
GPS ANTENNA DETAIL		SCALE NONE	1	GPS MOUNTED TO CABINET		SCALE NONE	2	PANEL OR CABINET TO H-FRAME		SCALE NONE	3																																										
<div></div>				<div></div>				<div>CONCRETE AND REINFORCING STEEL NOTES:</div> <div><div>1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION PER CAST-IN-PLACE CONCRETE.</div><div>2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.</div><div>3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.</div><div>4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:<div><div>CONCRETE CAST AGAINST EARTH.....3 IN.</div><div>CONCRETE EXPOSED TO EARTH OR WEATHER:<div><div>#6 AND LARGER2 IN.</div><div>#5 AND SMALLER & WWF1 1/2 IN.</div></div>CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:<div><div>SLAB AND WALL3/4 IN.</div><div>BEAMS AND COLUMNS1 1/2 IN.</div></div></div></div><div>5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.</div><div>6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL, UNLESS NOTED OTHERWISE.</div><div>7. GRAVEL SHALL BE NATURAL OR CRUSHED STONE WITH 100% PASSING 1 INCH SIEVE.</div><div>8. DIMENSIONS SHOWN ARE EXACT MINIMUM PAD SIZES REQUIRED FOR EQUIPMENT LAYOUTS - CONTRACTOR MAY ROUND UP TO THE NEAREST FOOT (OR HALF FOOT) IF LEASE AREA AND SPACE PERMIT.</div></div></div>																																													
UTILITY TRENCH		SCALE NONE	4	STUB-UP DETAIL		SCALE NONE	5	<div>NOT FOR CONSTRUCTION</div> <div>IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.</div> <table><tr><td>DRAWN BY:</td><td>UTILITIES CHECKED BY:</td><td>A&E CHECKED BY:</td></tr><tr><td>PG</td><td>GD</td><td>RB</td></tr></table> <div>CONSTRUCTION DRAWINGS</div> <table><tr><th colspan="3">SUBMITTALS</th></tr><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>A</td><td>08/21/24</td><td>90% CONSTRUCTION DRAWINGS</td></tr><tr><td>A</td><td>11/11/24</td><td>REVISED TOWER HEIGHT</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>				DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:	PG	GD	RB	SUBMITTALS			REV	DATE	DESCRIPTION	A	08/21/24	90% CONSTRUCTION DRAWINGS	A	11/11/24	REVISED TOWER HEIGHT																								
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A	08/21/24	90% CONSTRUCTION DRAWINGS																																																			
A	11/11/24	REVISED TOWER HEIGHT																																																			
<div>BACK-UP GENERATOR</div> <div>30KW DIESEL</div> <div>CABINET DIMENSIONS</div> <div>HEIGHT: 99"</div> <div>WIDTH: 94.8"</div> <div>DEPTH: 38"</div> <div>WEIGHT (EMPTY): 3,439 LBS</div> <div>WEIGHT (FULL): 4,916 LBS</div> <div>CAPACITY: 211 GAL</div> <div>MAKE/MODEL #: GENERAC/SD030 (LEVEL 2 ACOUSTIC ENCLOSURE)</div> <div>RUN TIME: 77 HRS</div> <div>NOTES:</div> <div>1. CONTRACTOR TO VERIFY QUANTITY, SIZE AND SPACING OF ANCHORS FOR CONFORMANCE WITH GENERATOR SPECIFICATIONS.</div> <div>GENERATOR TANK INSTALLATION PERMIT NOTES:</div> <div><div>1. A SEPARATE TANK INSTALLATION PERMIT IS REQUIRED FOR NEW GENERATORS AND TANKS TO BE SUBMITTED THROUGH CONSTRUCTION AND THE HONOLULU FIRE DEPARTMENT AND PAID. BEFORE FILLING WITH FUEL IT IS REQUIRED TO BE INSPECTED BY THE HFD PLANS SECTION. CALL 723-7094 TO ARRANGE INSPECTION.</div><div>2. REFERENCE HTTP://WWW.HONOLULU.GOV/HFD/FIRECODE.HTML/TANK PERMIT AND FORM</div><div>3. GENERAL PERMIT REQUIREMENTS (HONOLULU AMENDMENTS 66.1.5.1/69.1.2)</div><div>4. REFER ALSO TO: NFPA 110 EMERGENCY AND STANDBY POWER SYSTEMS. NFPA 37 STANDARD FOR THE INSTALLATION AND USE OF STATIONARY COMBUSTION ENGINES AND GAS TURBINES AND NFPA 70, NFPA 31 INSTALLATION OF OIL-BURNING EQUIPMENT.</div></div> <div></div>		<div></div> <div>ELEVATION VIEW</div> <div>NOTE: CONTRACTOR SHALL MEET ALL REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT PREPARED BY SHINSATO ENGINEERING.</div>																																																			
GENERATOR DETAIL		SCALE NONE	6	CONCRETE SLAB DETAIL		SCALE NONE	7	<div>PROJECT INFORMATION</div> <div>CA-1374</div> <div>NATIONAL OLD TRAILS ROAD NEEDLES, CA 92363</div> <div>SHEET TITLE</div> <div>CONSTRUCTION DETAILS</div> <div>SHEET NUMBER</div> <div>A-6</div>																																													

JMA - DUAL MOUNT BRACKET - P/N 91900314

Dimensions
Diameter(Max.): 4.5 in
Diameter(Min.): 1.3 in
Net Weight: 25.9 lb



DUAL ANTENNA DETAIL

SCALE
NONE

1

CHAIN-LINK GATE DETAIL

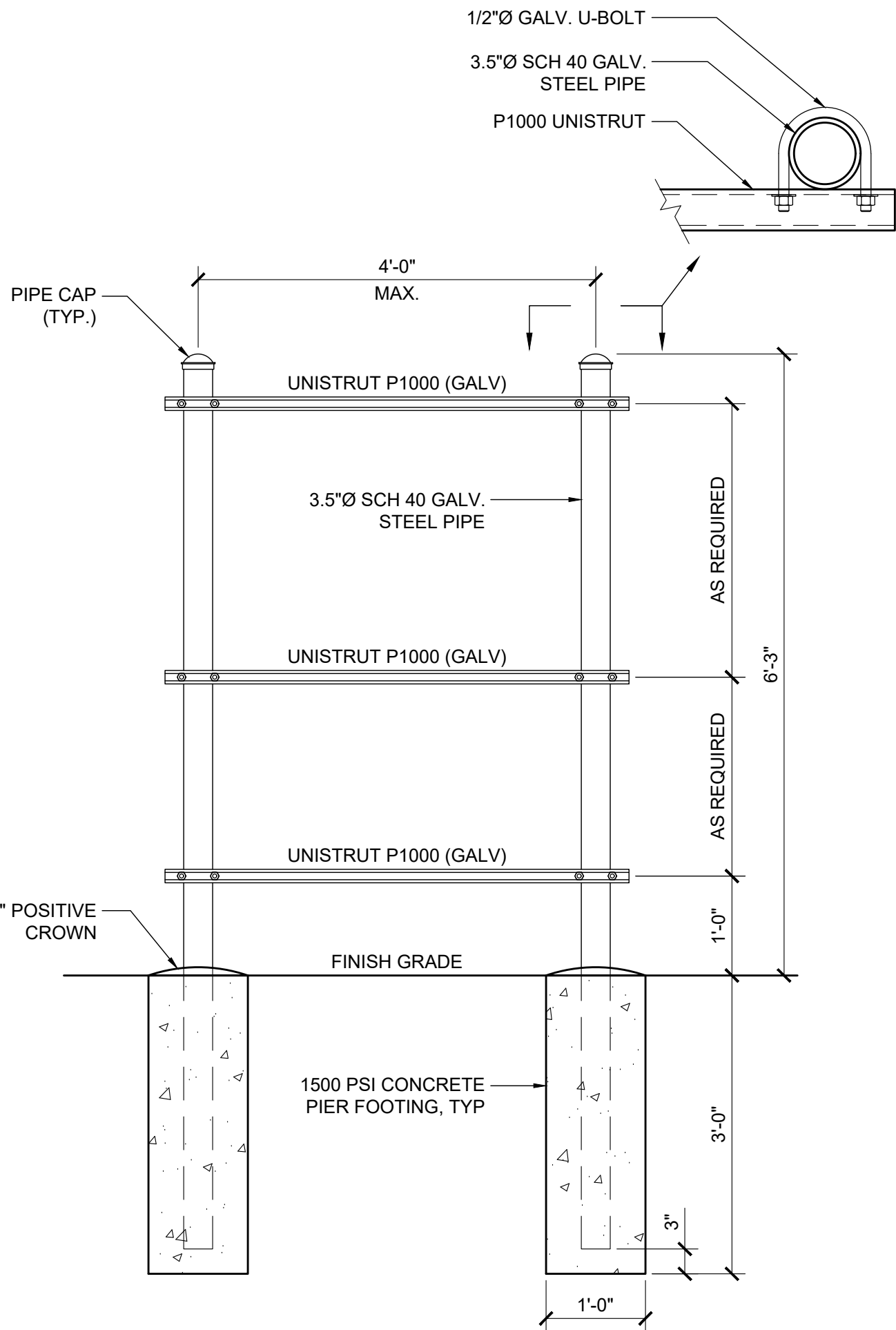
SCALE
NONE

2

CHAIN-LINK FENCE DETAIL

SCALE
NONE

3

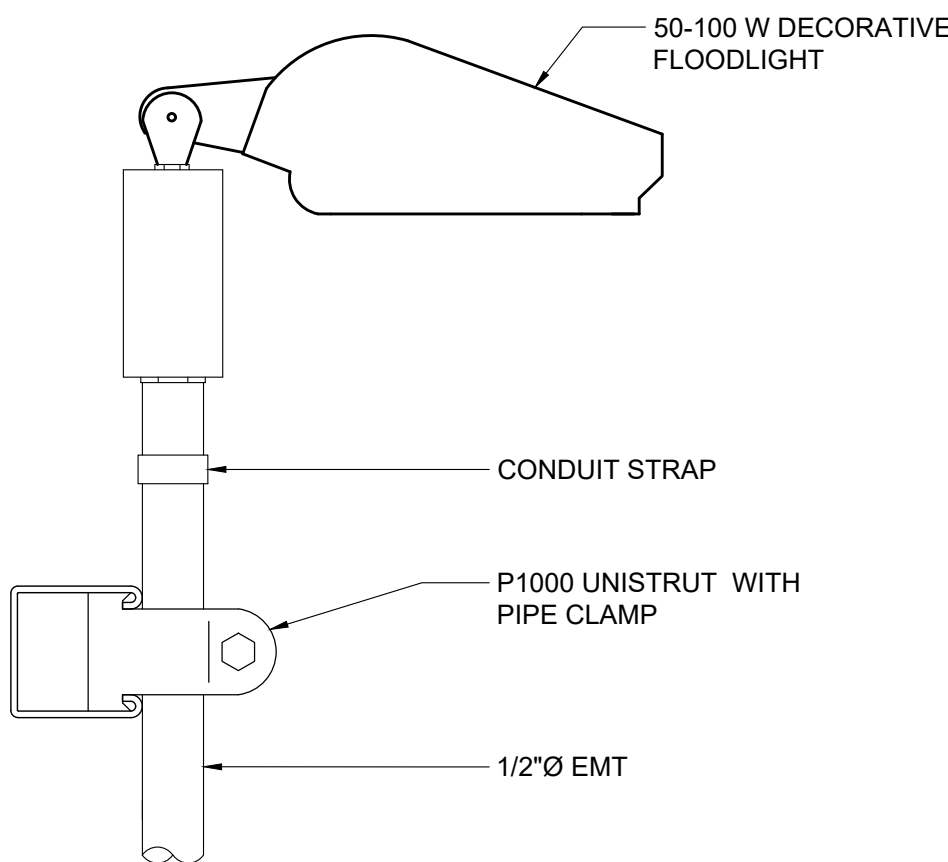


UTILITY H-FRAME

SCALE
NONE

4

SERVICE LIGHT DETAIL



SCALE
NONE

5

NOT USED

SCALE
NONE

8

NOT USED

SCALE
NONE

10



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PG	GD	RB

CONSTRUCTION
DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

PROJECT INFORMATION

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

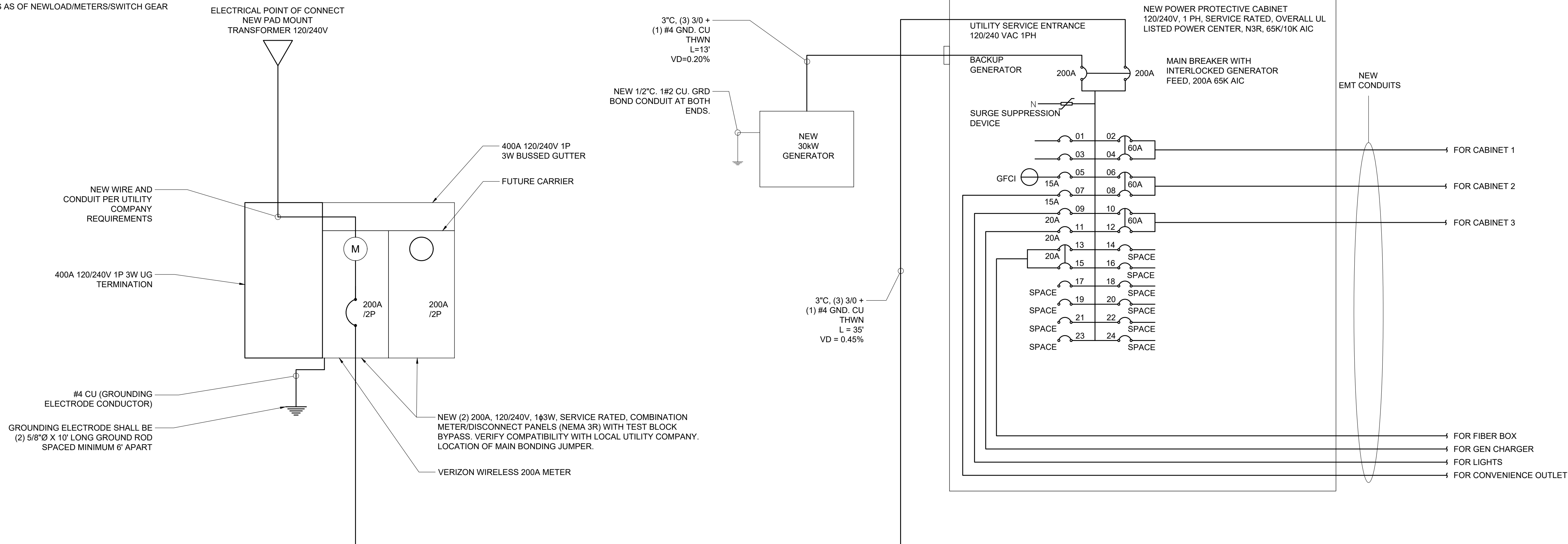
SHEET TITLE

CONSTRUCTION
DETAILS

SHEET NUMBER

A-7

- NOTES:**
1. FOR WIRING FROM LOAD CENTER TO EQUIPMENT REFER TO DRAWINGS PROVIDED BY MANUFACTURER.
 2. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO DRAWINGS PROVIDED BY MANUFACTURER.
 3. AIC RATING FOR NEW METER AND/OR PANEL BOARDS MUST MATCH OR EXCEED THE RATINGS AS DETERMINED BELOW:
 - AIC RATING AS REQUIRED BY THE SERVICE PROVIDER.
 - AIC RATINGS AS OF NEWLOAD/METERS/SWITCH GEAR EQUIPMENT.



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PG	GD	RB

CONSTRUCTION DRAWINGS

[illegible]

PROJECT INFORMATION

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET TITLE

SINGLE-LINE DIAGRAM/AC
PANEL SCHEDULE

SHEET NUMBER

E-1

ELECTRICAL SINGLE DIAGRAM

PANEL PPC																						
MOUNTING		SURFACE		DOUBLE LUG		NO		VOLTS		120 240		MAIN		200A/2P								
								PHASE		1		BUS		200A								
								WIRE		3		A.I.C.		65K SERIES W/ MAIN								
WIRE SIZE	LOCATION	A	B	L C L	C O N V	K I T	R E C P	M I S C	B K R	C I R C	A/B	C I R C	B K R	M I S C	R E C P	K I T	C O N V	L C L	A	B	LOCATION	WIRE SIZE
10	SURGE SUPPRESSOR	----						1	30/2	1	A	2	40/2	1					2880		RECTIFIER	8
10	----		----					1	-	3	B	4	-	1						2880	----	8
12	GFI RECEPTACLE	360				1		15/1	5	A	6	40/2	1						2880		RECTIFIER	8
12	GFI RECEPTACLE		360			1		15/1	7	B	8	-	1							2880	----	8
12	EXTERIOR LIGHT	500		1				20/1	9	A	10	40/2	1						2880		RECTIFIER	8
	SPACE									11	B	12	-	1						2880	----	8
	SPACE									13	A	14	40/2	1					2880		RECTIFIER	8
	SPACE									15	B	16	-	1						2880	----	8
	SPACE									17	A	18	40/2	1					2880		RECTIFIER	8
	SPACE									19	B	20	-	1						2880	----	8
	SPACE									21	A	22	40/2	1					2880		RECTIFIER	8
	SPACE									23	B	24	-	1						2880	----	8
A= 18140										B= 17640												
W/LCL A= 18265										W/LCL B= 17640												
TOTAL VA=		35780		W/LCL= 35905		W/LCL AMPS= 150				TOTAL LCL=				500		X .25 = 125						
HIGH PHASE VA=		18140		W/LCL= 18265		HIGH PH AMPS= 152				HIGH PHASE LCL=				500		X .25 = 125						
TOTAL KVA=		35.78		W/LCL: 35.91																		

FUTURE CARRIER(S) PANEL SCHEDULE

SCALE	3
NONE	

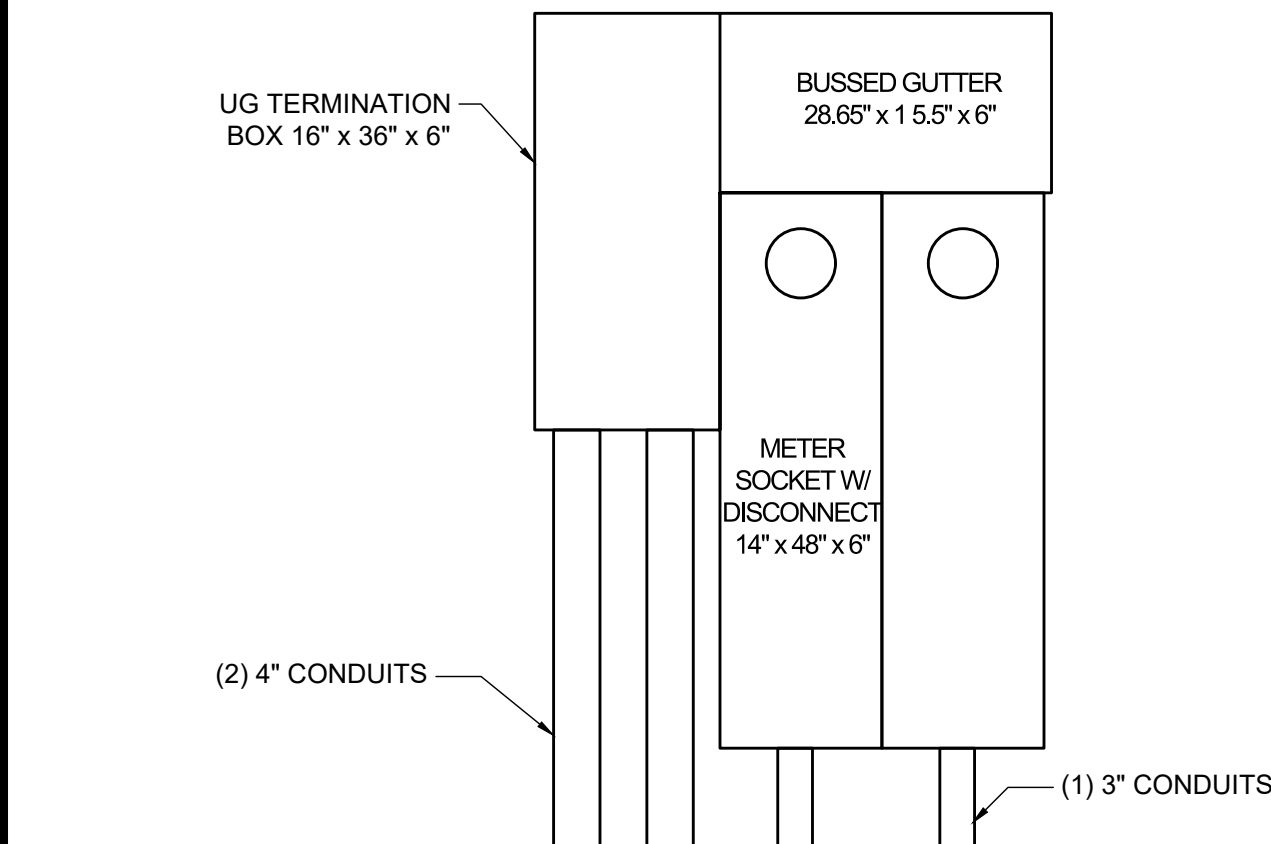
PANEL PPC							
MOUNTING	<u>SURFACE</u>	DOUBLE LUG	<u>NO</u>	VOLTS	120 240	MAIN	<u>200A/2P</u>
				PHASE	1	BUS	<u>200A</u>
				WIRE	3	A.I.C.	65K SERIES W/ MAIN

W I R E S I Z E	LOCATION	A	B	L C N V	C O N V	R E C P	M I S C	B K R	C I R C	A/B	C I R C	B K R	M I S C	R E C P	K I T	C O N V	L C L	A	B	LOCATION	W I R E S I Z E	
10	SURGE SUPPRESSOR	----					1	30/2	1	A	2	60/2	1					4320		DELTA ECA CABINET	1	
10	-----		----				1	-	3	B	4	-	1						4320	4320	-----	1
12	GFI RECEPTACLE	360				1	15/1	5	A	6	60/2	1						4320		DELTA ECA CABINET	1	
12	GFI RECEPTACLE		360			1	15/1	7	B	8	-	1							4320	4320	-----	1
12	EXTERIOR LIGHT	500		1			20/1	9	A	10	60/2	1						4320		DELTA ECB CABINET	1	
14	CHARGER (GEN)		500			1	20/1	11	B	12	-	1							4320	4320	-----	1
10	FIBER BOX	750				1	20/2	13	A	14											SPACE	
10	-----		750			1	-	15	B	16											SPACE	
	SPACE						-	17	A	18											SPACE	
	SPACE						-	19	B	20											SPACE	
	SPACE						-	21	A	22											SPACE	
	SPACE						-	23	B	24											SPACE	
		A= 14570														B= 14570						
		W/LCL A= 14695														W/LCL B= 14570						
TOTAL VA=		29140	W/LCL=29265				W/LCL AMPS= 122				TOTAL LCL= 500				X .25 = 125							
HIGH PHASE VA=		14570	W/LCL= 14695				HIGH PH AMPS= 122				HIGH PHASE LCL= 500				X .25 = 125							
TOTAL kVA=		29.14	W/LCL= 29.27																			

VERIZON PANEL SCHEDULE

SCALE	1
NONE	

- NOTES:
1. IF DIMENSIONS SHOWN ON PLAN DO NOT SCALE CORRECTLY, CHECK FOR REDUCTION OR ENLARGEMENT FROM ORIGINAL PLANS.
 2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
 3. UTILITY DESIGNS AND ROUTES ARE PRELIMINARY PENDING FINAL DESIGN BY UTILITY PROVIDER.
 4. THIS SITE PLAN IS NOT INTENDED TO BE A LAND SURVEY.



METER SERVICE ELEVATION

SCALE
NONE

2



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DRAWN BY:	UTILITIES CHECKED BY:	A&E CHECKED BY:
PG	GD	RB

CONSTRUCTION DRAWINGS

SUBMITTALS		
REV	DATE	DESCRIPTION
A	08/21/24	90% CONSTRUCTION DRAWINGS
A	11/11/24	REVISED TOWER HEIGHT

PROJECT INFORMATION

CA-1374

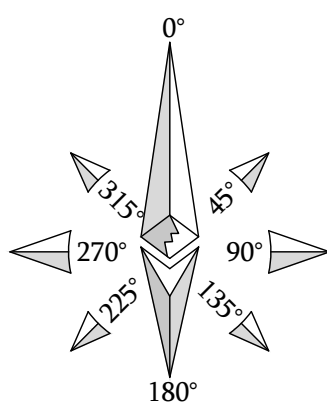
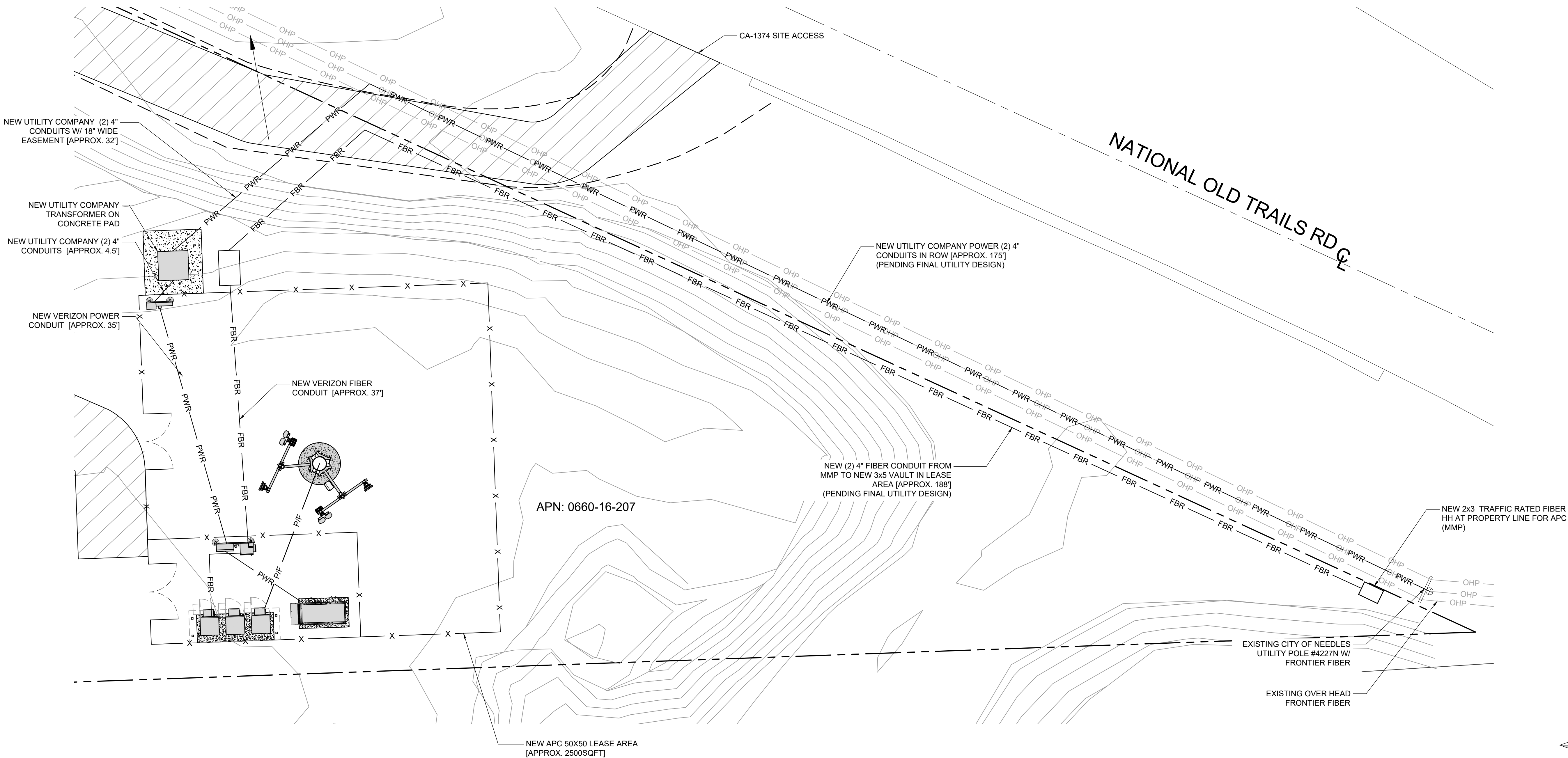
NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET TITLE

ELECTRICAL
SITE PLAN

SHEET NUMBER

E-2



SCALE
1/8"=1'-0"



1

ELECTRICAL SITE PLAN

NOT USED

2

ELECTRICAL GENERAL NOTES

1

GENERAL REQUIREMENTS

- A. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE AND ALL STATE AND LOCAL CODES. NOTHING IN THESE PLANS OR SPECIFICATIONS SHALL BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THE MOST STRINGENT OF THESE CODES. SHOULD CHANGES BE NECESSARY IN THE DRAWINGS OR SPECIFICATIONS TO MAKE THE WORK COMPLY WITH THESE REQUIREMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND CEASE WORK ON PARTS OF THE CONTRACT WHICH ARE AFFECTED.
- B. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO BIDDING AND CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES. THE CONTRACTOR ASSUMES ALL LIABILITY FOR FAILURE TO COMPLY WITH THIS PROVISION.
- C. THE EXTENT OF THE WORK IS INDICATED BY THE DRAWINGS, SCHEDULES, AND SPECIFICATIONS AND IS SUBJECT TO THE TERMS AND CONDITIONS OF THE CONTRACT. THE WORK SHALL CONSIST OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND SUPPLIES NECESSARY FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. THE WORK SHALL ALSO INCLUDE THE COMPLETION OF ALL ELECTRICAL WORK NOT MENTIONED OR SHOWN WHICH ARE NECESSARY FOR SUCCESSFUL OPERATION OF ALL SYSTEMS.
- D. THE CONTRACTOR SHALL PREPARE A BID FOR A COMPLETE AND OPERATIONAL SYSTEM, WHICH INCLUDES THE COST FOR MATERIAL AND LABOR.
- E. WORKMANSHIP AND NEAT APPEARANCE SHALL BE AS IMPORTANT AS THE OPERATION. DEFECTIVE OR DAMAGED MATERIALS SHALL BE REPLACED OR REPAIRED PRIOR TO FINAL ACCEPTANCE IN A MANNER ACCEPTABLE TO OWNER AND ENGINEER.
- F. COMPLETE THE ENTIRE INSTALLATION AS SOON AS THE PROGRESS OF THE WORK WILL PERMIT. ARRANGE ANY OUTAGE OF SERVICE WITH THE OWNER AND BUILDING MANAGER IN ADVANCE. MINIMIZE DOWNTIME ON THE BUILDING ELECTRICAL SYSTEM.
- G. THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT SHALL BE DELIVERED IN PROPER WORKING ORDER. REPLACE, WITHOUT ADDITIONAL COST TO THE OWNER, ANY DEFECTIVE MATERIAL AND EQUIPMENT WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
- H. ANY ERROR, OMISSION OR DESIGN DISCREPANCY ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
- I. "PROVIDE": INDICATES THAT ALL ITEMS ARE TO BE FURNISHED, INSTALLED AND CONNECTED IN PLACE.
- J. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES.

EQUIPMENT LOCATION

- A. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE DESIRED LOCATIONS OR ARRANGEMENTS OF CONDUIT RUNS, OUTLETS, EQUIPMENT, ETC., AND ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURE CONDITIONS ENCOUNTERED.
- B. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO FIELD CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENT OF FURNISHINGS OR EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST, PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO THE SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.
- C. LIGHTING FIXTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. COORDINATE THE FIXTURE LOCATION WITH MECHANICAL EQUIPMENT TO AVOID INTERFERENCE.
- D. COORDINATE THE WORK OF THIS SECTION WITH THAT OF ALL OTHER C. TRADES. WHERE CONFLICTS OCCUR, CONSULT WITH THE RESPECTIVE CONTRACTOR AND COME TO AGREEMENT AS TO CHANGES NECESSARY. OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER FOR THE NEW CHANGES BEFORE PROCEEDING.

SHOP DRAWINGS

- A. SUBMIT SIX (6) COPIES OF SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL WITHIN 35 DAYS OF AWARD OF CONTRACT. SHOP DRAWINGS SHALL BE SUBMITTED IN A COMPLETE BOUND MANUAL INCLUDING LIGHT FIXTURES, SERVICE METERING, TRANSFER SWITCH, PANELBOARD, AND DISCONNECT SWITCHES. THE CONTRACTOR SHALL VERIFY DIMENSIONS OF EQUIPMENT TO INSURE THAT THEY FIT IN THE DESIGNATED AREA AND COMPLY WITH REQUIREMENTS OF ALL APPLICABLE CODES FOR REQUIRED WORKING CLEARANCES ABOUT ELECTRICAL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL. DEPARTURE FROM THE ABOVE WILL RESULT IN RE-SUBMITTAL AND DELAYS.

SUBSTITUTIONS

- A. NO SUBSTITUTIONS ARE ALLOWED.

TESTS

- A. BEFORE FINAL ACCEPTANCE OF WORK, THE CONTRACTOR SHALL INSURE THAT ALL EQUIPMENT, SYSTEMS, FIXTURES, ETC., ARE WORKING SATISFACTORILY AND TO THE INTENT OF THE DRAWINGS.

PERMITS

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING OUT AND PAYING FOR ALL THE REQUIRED PERMITS, INSPECTION AND EXAMINATION WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

GROUNDING

- A. THE CONTRACTOR SHALL PROVIDE A COMPLETE, AND APPROVED GROUNDING SYSTEM INCLUDING ELECTRODES, ELECTRODE CONDUCTOR, BONDING CONDUCTORS, AND EQUIPMENT CONDUCTORS AS REQUIRED BY ARTICLE 250 OF NATIONAL ELECTRICAL CODE.
- B. CONDUITS CONNECTED TO EQUIPMENT AND DEVICES SHALL BE METALLICALLY JOINED TOGETHER TO PROVIDE EFFECTIVE ELECTRICAL CONTINUITY.

- C. FEEDERS AND BRANCH CIRCUIT WIRING INSTALLED IN A NONMETALLIC B. CONDUIT SHALL INCLUDE A CODE SIZED GROUNDING CONDUCTOR HAVING GREEN INSULATION. THE GROUND CONDUCTOR SHALL BE PROPERLY CONNECTED AT BOTH ENDS TO MAINTAIN ELECTRICAL CONTINUITY.
- D. REFER TO GROUND BUS DETAILS. PROVIDE NEW GROUND SYSTEM COMPLETE WITH CONDUCTORS, GROUND ROD AND DESCRIBED TERMINATIONS.
- E. ALL GROUNDING CONDUCTORS SHALL BE SOLIDINNED COPPER AND ANNEALED #2 UNLESS NOTED OTHERWISE.
- F. ALL NON-DIRECT BURIED TELEPHONE EQUIPMENT GROUND CONDUCTORS SHALL BE #2 STRANDED, THHN (GREEN) INSULATION.
- G. ALL GROUND CONNECTIONS SHALL BE MADE WITH "HYGROUND" COMPRESSION SYSTEM BURNDY CONNECTORS EXCEPT WHERE NOTED OTHERWISE.
- H. PAINT AT ALL GROUND CONNECTIONS SHALL BE REMOVED.
- I. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FUTURE INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS AND FURNISH TO SMART SMR ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".

UTILITY SERVICE

- A. TELEPHONE AND ELECTRICAL METERING FACILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES. CONTRACTOR SHALL VERIFY SERVICE LOCATIONS AND REQUIREMENTS. SERVICE INFORMATION WILL BE FURNISHED BY THE SERVING UTILITIES.
- B. CONFORM TO ALL REQUIREMENTS OF THE SERVING UTILITY COMPANIES.

PRODUCTS

- A. ALL MATERIALS SHALL BE NEW, CONFORMING WITH THE NEC, ANSI, NEMA, AND THEY SHALL BE U.L. LISTED AND LABELED.
- B. CONDUIT
1. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP ROCESS NO. 3.
2. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
3. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
4. CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILING OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.
5. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
6. ALL CONDUIT ONLY (C.O.) SHALL HAVE PULL ROPE.
7. CONDUITS RUN ON ROOFS SHALL BE INSTALLED ON 4 X 4 REDWOOD SLEEPERS, 6'-0" ON CENTER, SET IN NON-HARDENING MASTIC.

- A. ALL WIRE AND CABLE SHALL BE COPPER, 600 VOLT, #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #8 AWG AND LARGER SHALL BE STRANDED, TYPE THHN INSULATION USED UNLESS CONDUCTORS INSTALLED IN CONDUIT EXPOSED TO WEATHER, IN WHICH CASE TYPE THWN INSULATION SHALL BE USED.
- D. PROVIDE GALVANIZED COATED STEEL BOXES AND ACCESSORIES SIZED PER CODE TO ACCOMMODATE ALL DEVICES AND WIRING.
- E. DUPLEX RECEPTACLES SHALL BE SPECIFICATION GRADE WITH WHITE FINISH (UNLESS NOTED BY ENGINEER), 20 AMP, 125 VOLT, THREE WIRE GROUNDING TYPE, NEMA 5-20R. MOUNT RECEPTACLE AT +12" ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED ON DRAWINGS OR IN DETAILS. WEATHERPROOF RECEPTACLES SHALL BE GROUND FAULT INTERRUPTER TYPE WITH SIERRA #WPD-8 LIFT COVERPLATES.
- F. TOGGLE SWITCHES SHALL BE 20 AMP, 120 VOLT AC, SPECIFICATION GRADE WHITE (UNLESS NOTED OTHERWISE) FINISH. MOUNT SWITCHES AT +48" ABOVE FINISHED FLOOR.
- G. PANELBOARDS SHALL BE DEAD FRONT SAFETY TYPE WITH ANTI-BURN SOLDERLESS COMPRESSION APPROVED FOR COPPER CONDUCTORS, COPPER BUS BARS, FULL SIZED NEUTRAL BUS, GROUND BUS AND EQUIPPED WITH QUICK-BREAK QUICK-BREAK BOLT-IN TYPE THERMAL MAGNETIC CIRCUIT BREAKERS. MOUNT TOP OF THE PANELBOARDS AT 6'-3" ABOVE FINISHED FLOOR. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORY.
- H. ALL CIRCUIT BREAKERS, MAGNETIC STARTERS AND OTHER ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.
- I. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.

INSTALLATION

- PROVIDE SUPPORTING DEVICES FOR ALL ELECTRICAL EQUIPMENT, FIXTURES, BOXES, PANEL, ETC., SUPPORT LUMINARIES FROM UNDERSIDE OF STRUCTURAL CEILING. EQUIPMENT SHALL BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FIXTURES.

- CUTTING, PATCHING, CHASES, OPENINGS: PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS CEILINGS, AND ROOFS. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.
- C. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
- D. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- E. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C.

PROJECT CLOSEOUT

- A. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- B. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS AND CIRCUITS.
- C. ALL BROCHURES, OPERATING MANUALS, CATALOG, SHOP DRAWINGS, ETC., SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.

GROUNDING NOTES

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FROST LINE.
6. INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS:
- 8.1. EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- 8.2. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
10. OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
11. GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
12. IF EQUIPMENT IS IN A C.L. FENCE ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. IF CHAIN LINK LID IS USED, THEN GROUND LID ALSO.
13. GROUNDING @ PPC CABINET SHALL BE VERTICALLY INSTALLED.
14. ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED SO THAT IT WILL BY-PASS MAIN BUSS BAR.
15. ALL EMT RUNS SHALL BE GROUNDED AND HAVE A BUSHING. NO PVC ABOVE GROUND.
16. USE SEPARATE HOLES FOR GROUNDING @ BUSS BAR. NO "DOUBLING-UP" OF LUGS.
17. POWER AND TELCO CABS. SHALL BE GROUNDED (BONDED) TOGETHER.18. NO "L AND B" ALLOWED ON GROUNDING.
18. PROVIDE STAINLESS STEEL CLAM AND BRASS TAGS ON COAX @ ANTENNAS AND DOGHOUSE.



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CONSTRUCTION
DRAWINGS

SUBMITTALS		
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PROJECT INFORMATION

CA-1374

NATIONAL OLD TRAILS ROAD
NEEDLES, CA 92363

SHEET TITLE

ELECTRICAL
NOTES

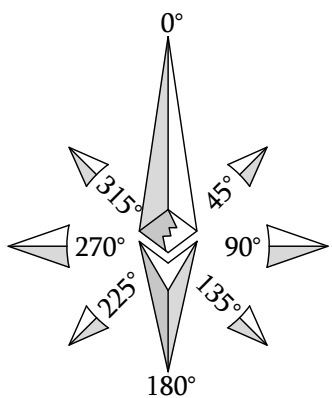
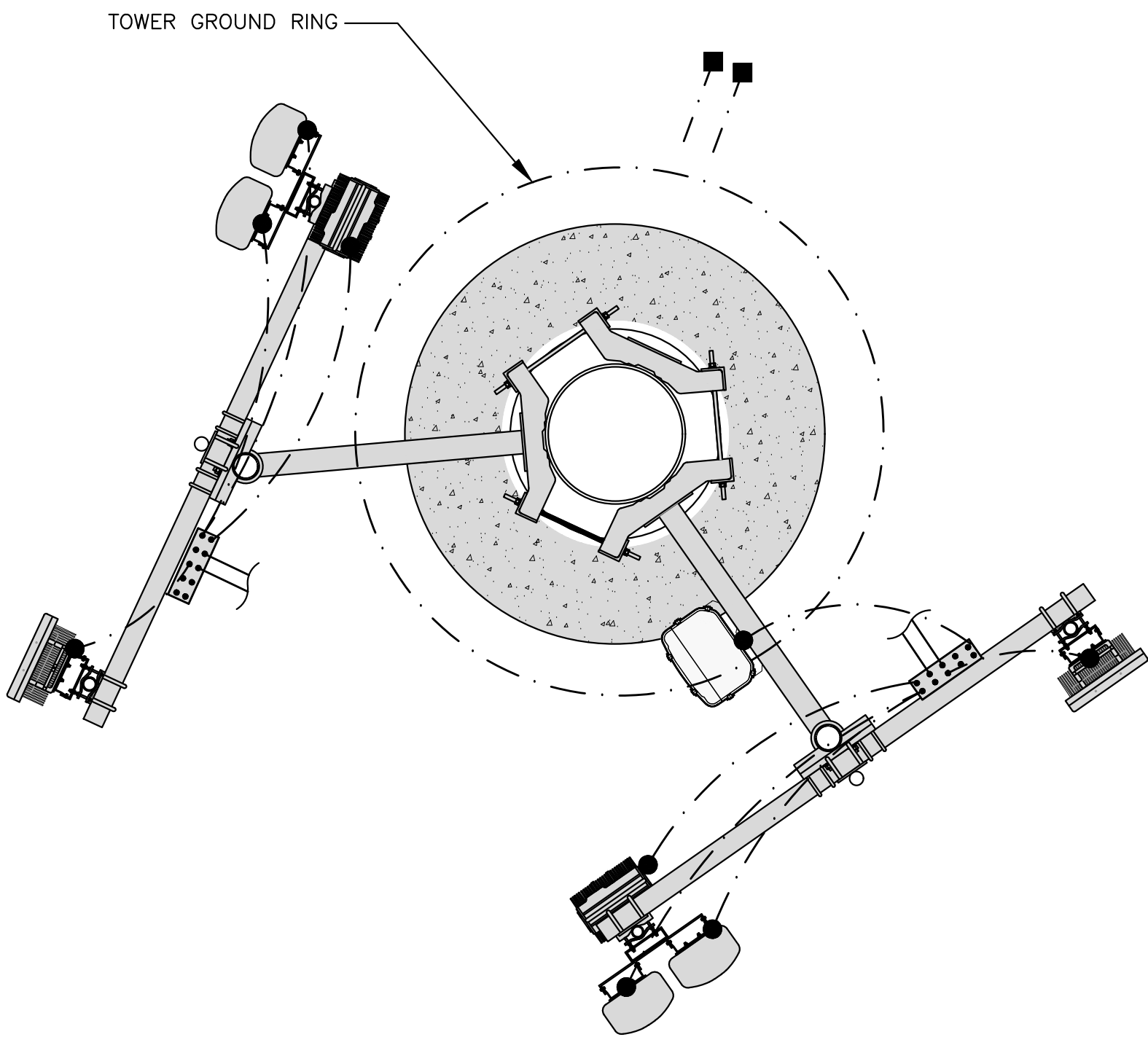
SHEET NUMBER

E-3

- EXOTHERMIC
- COMPRESSION TYPE CONNECTIONS
- CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
- GROUND ROD
- GROUND ROD WITH INSPECTION SLEEVE
- TEST GROUND ROD WITH INSPECTION SLEEVE
- EXOTHERMIC WITH INSPECTION SLEEVE
- GROUNDING CONDUCTOR
- GROUNDING BAR

THIS PLAN IS A SCHEMATIC ONLY AND DOES NOT SHOW ALL THE GROUNDING PROVIDED BY THE SHELTER MANUFACTURER. CONTRACTOR SHALL NOTIFY VERIZON IF ANY GROUNDING TO BE PROVIDED IS INCOMPLETE OR MISSING.

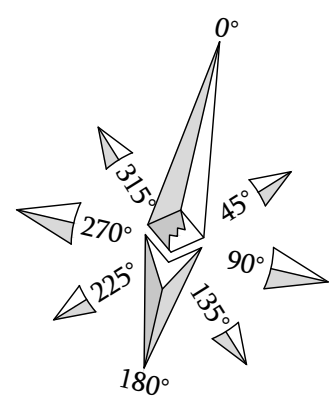
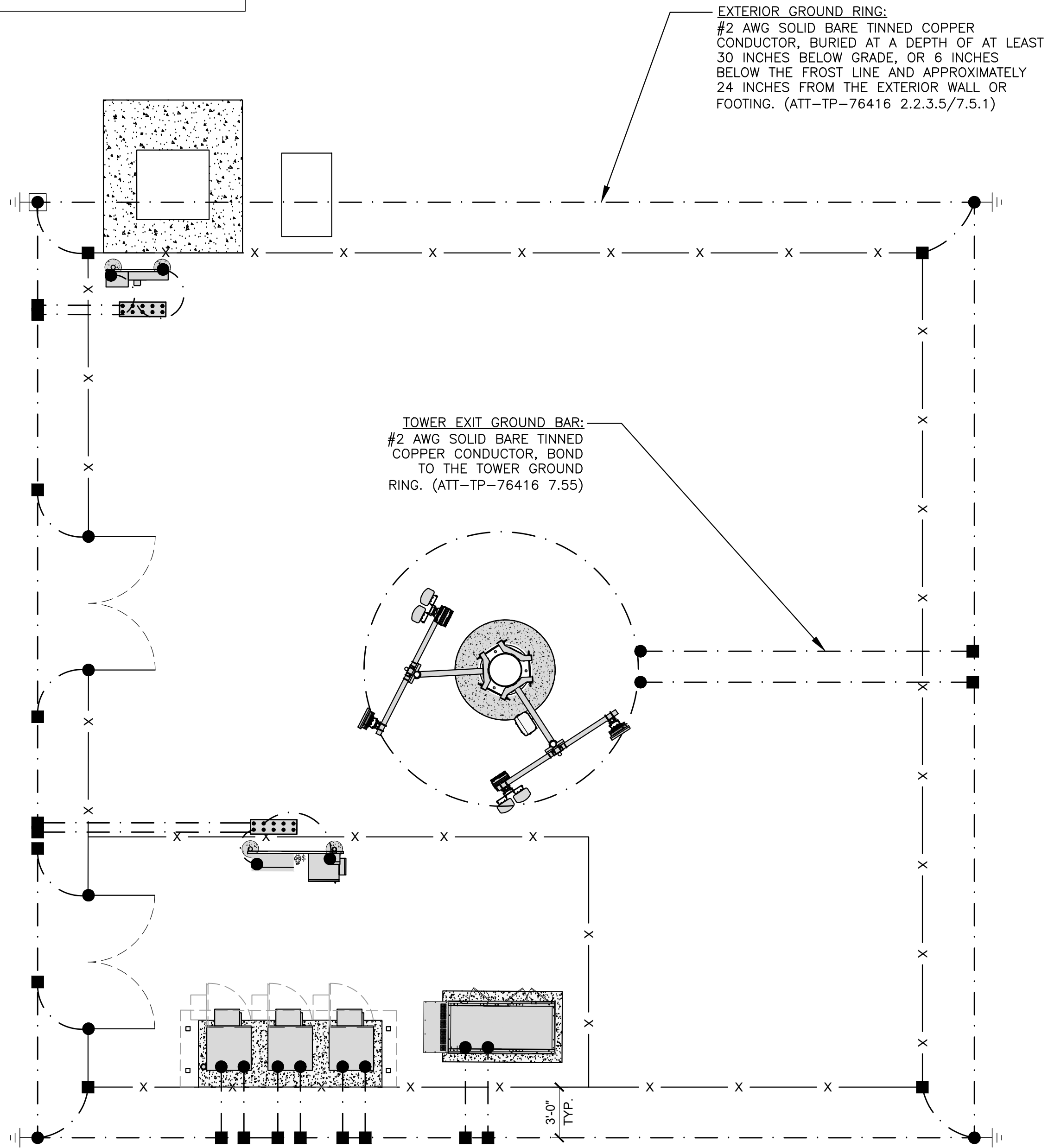
NOTE:
CONTRACTOR TO IMPLEMENT ALL GROUNDING REQUIREMENTS AS SPECIFIED BY CARRIER CONSTRUCTION AND INSTALLATION GUIDELINES.



- EXOTHERMIC
- COMPRESSION TYPE CONNECTIONS
- CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
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CA-1374

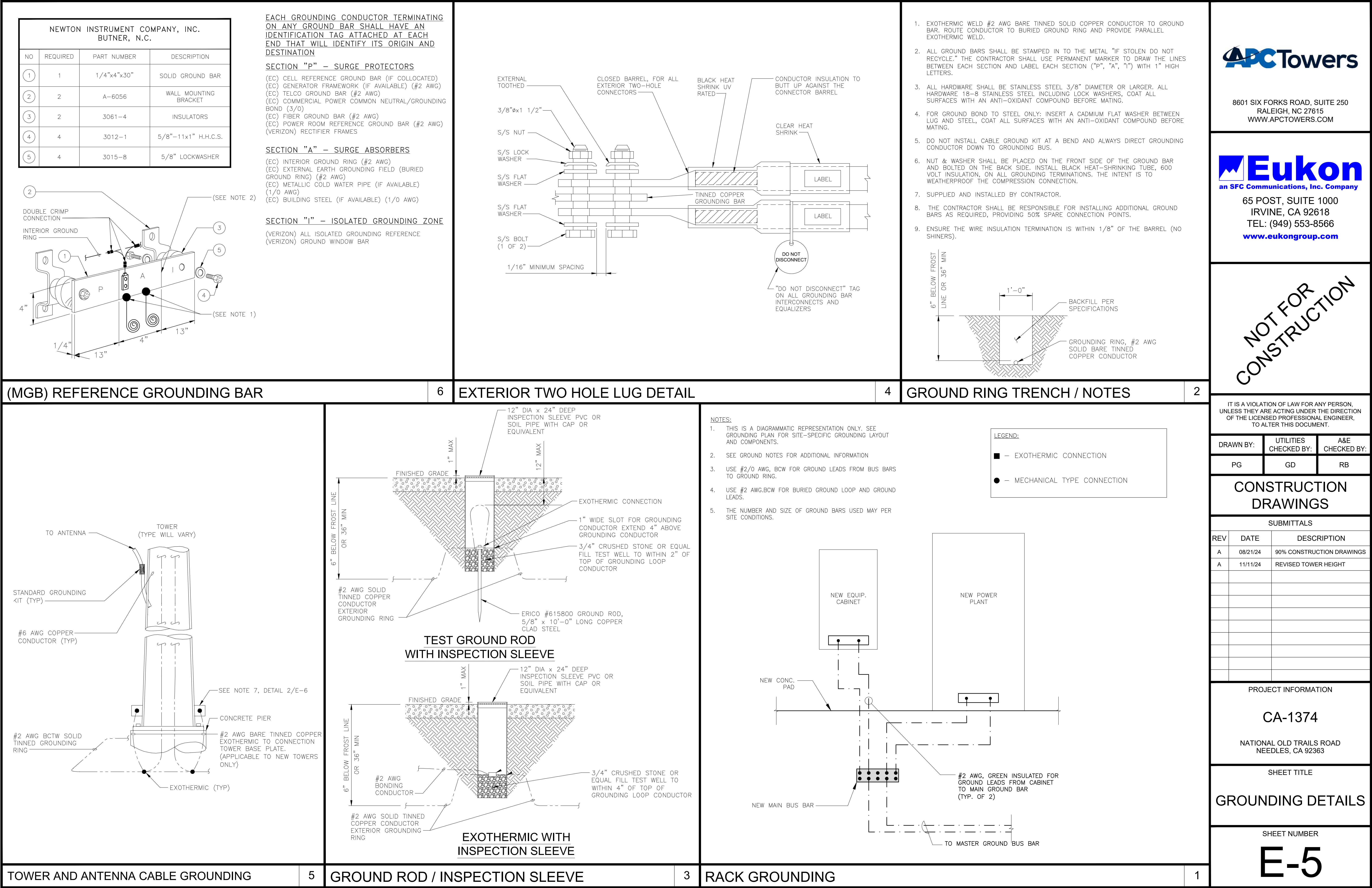
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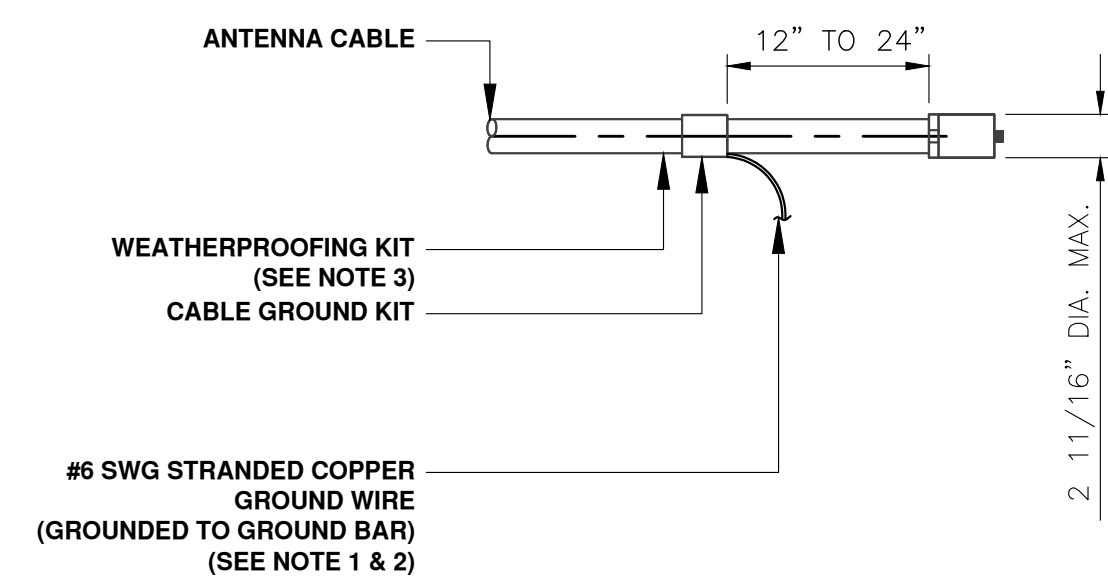
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GROUNDING PLAN

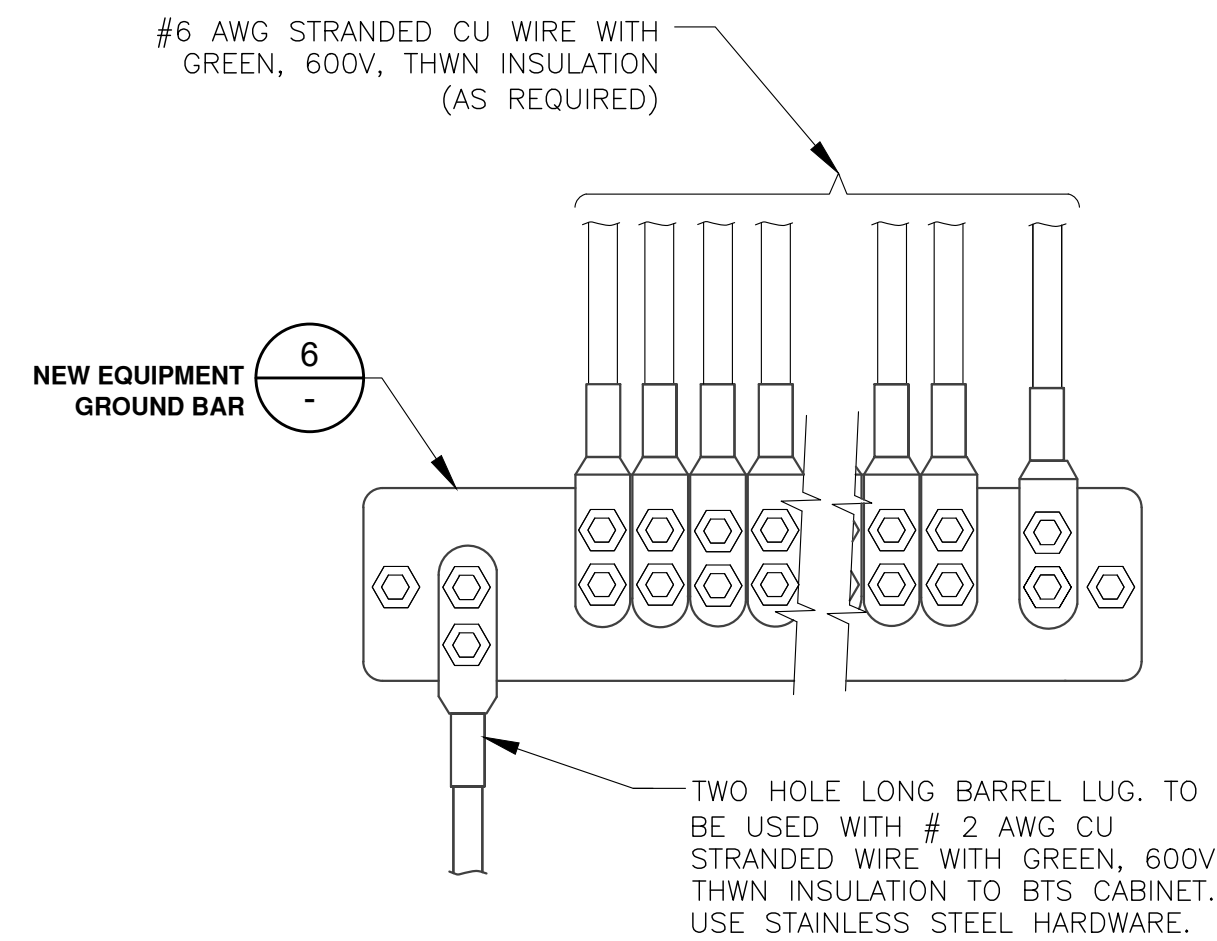
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E-4

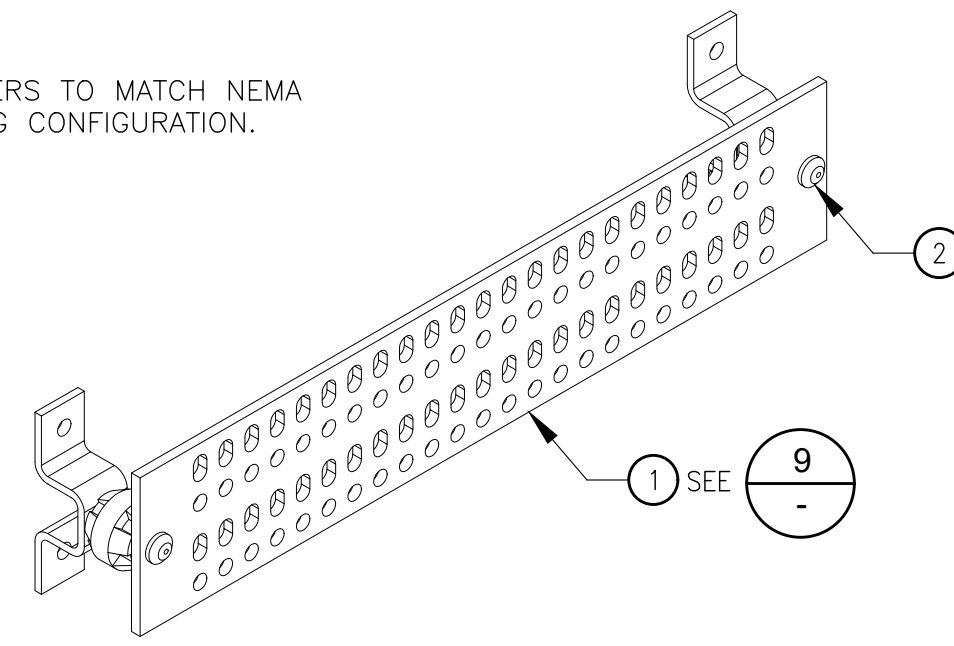




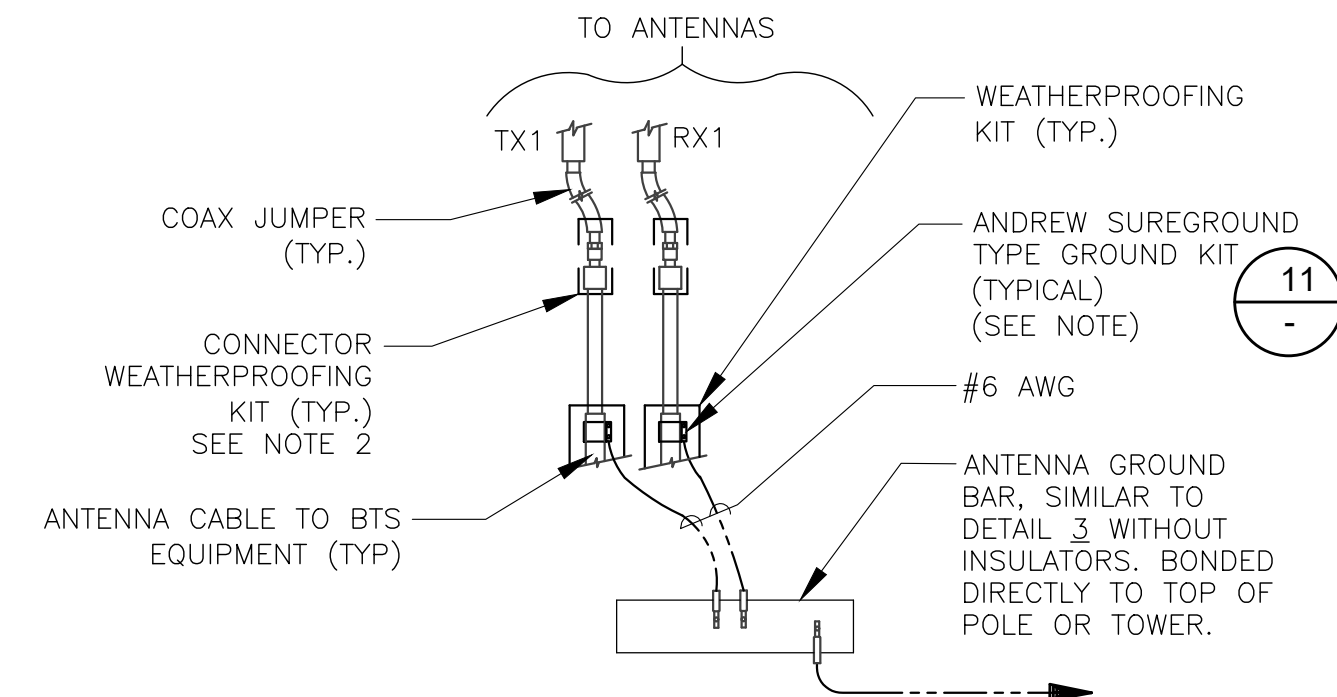
- NOTES:
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
 3. WEATHER PROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.)



NOTE:
HOLE CENTERS TO MATCH NEMA
DOUBLE LUG CONFIGURATION.



- 1- UNIVERSAL TINNED COPPER BUSS BAR WITH HARDWARE:
BY ANDREW CORPORATION
- UGBKIT-0420-T : 1/4"x4"x20" (SHOWN)
UGBKIT-0412-T : 1/4"x4"x12"
UGBKIT-0210-T : 1/4"x2"x10"
GB-HKU : MOUNTING HARDWARE KIT
- 2- ANDREW #MTC9674KEY TAMPER RESISTANT BUSS BAR
BOLT KIT



- NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
 2. WEATHER PROOFING SHALL BE ANDREW TWO—PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.



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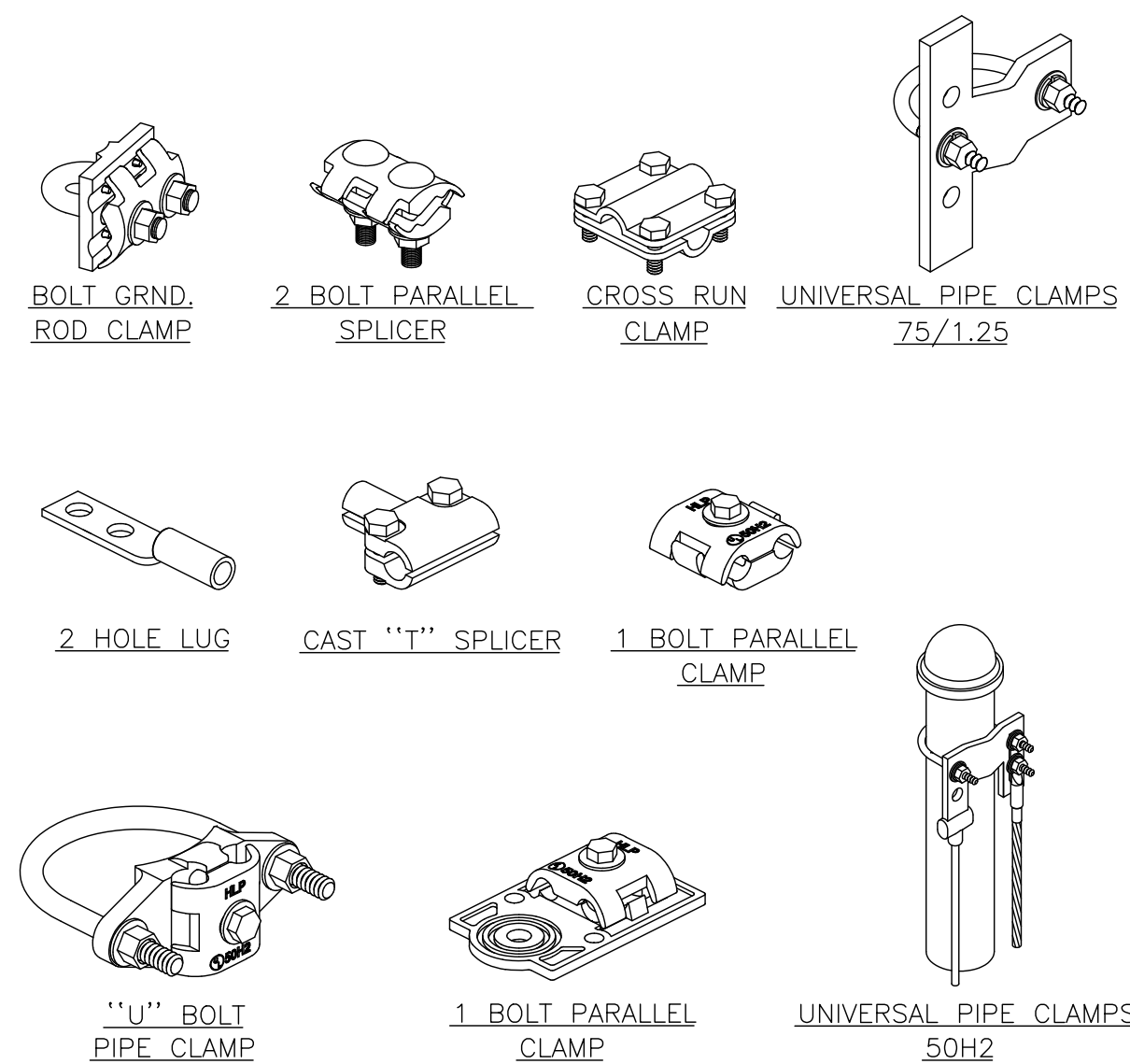
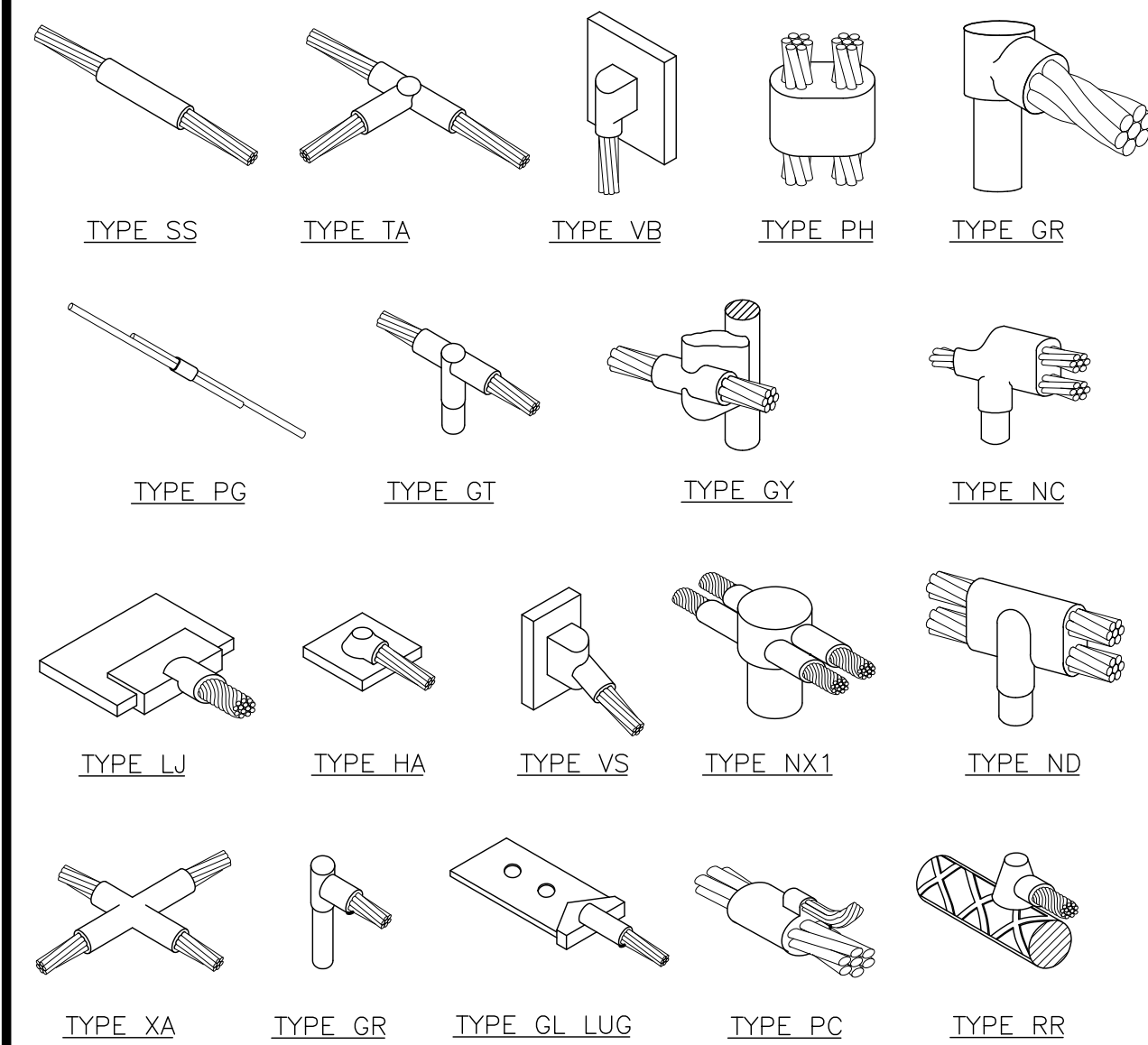
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CONN. OF CABLE GND KIT TO ANT.

12

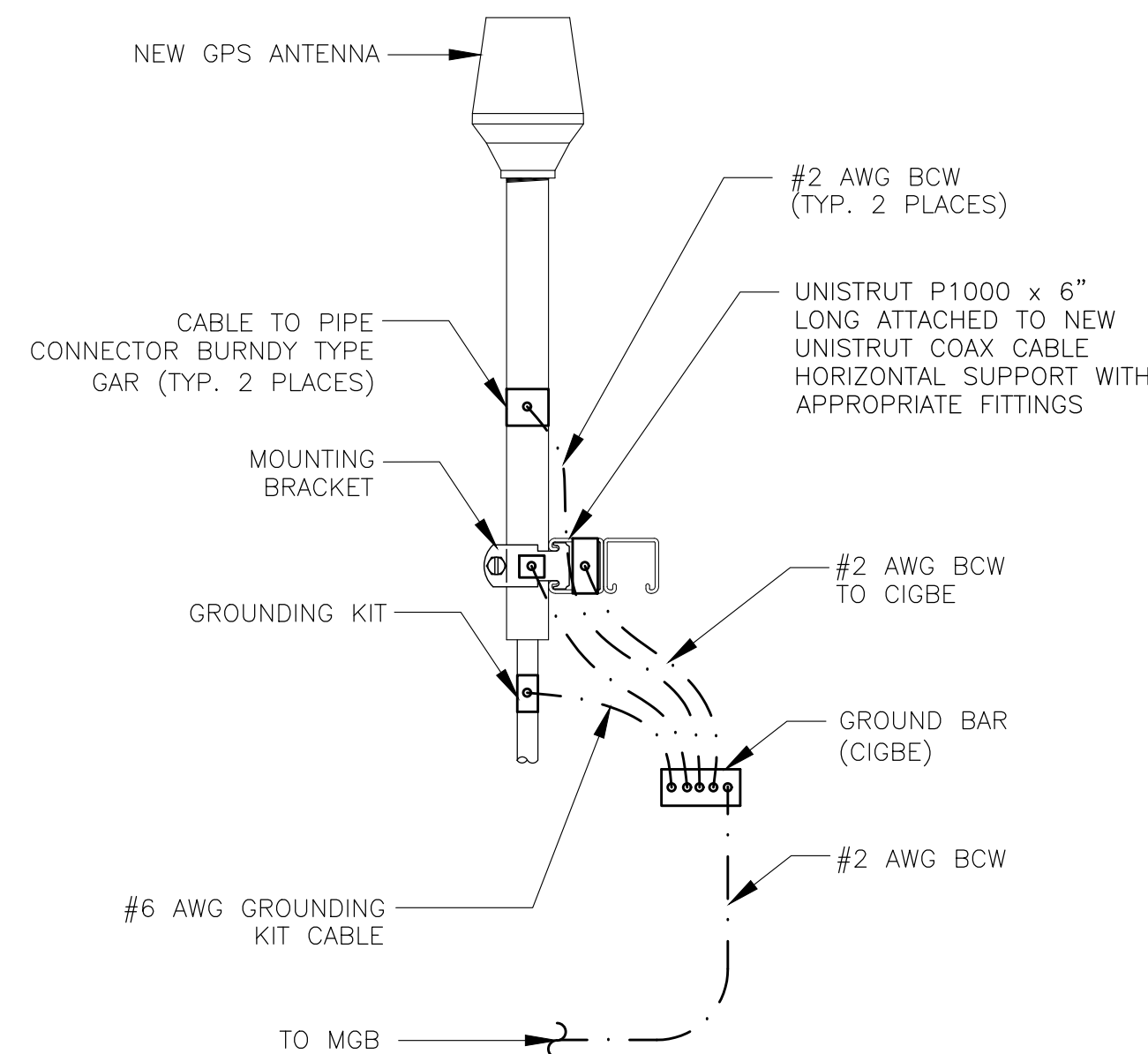
INSTALLATION OF GND WIRE TO GND BAR

9



GROUND BAR DETAIL

6



NOTES

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUNDING BAR AS REQUIRED, PROVIDING 50% SPARE CONNECTION POINTS.
2. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUNDING CONDUCTOR DOWN TO GROUNDING BAR.
3. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
4. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
5. PROVIDE GROUNDING KIT 6" BEFORE TURN TRANSITION FROM TOWER TO ICE BRIDGE.
6. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BARS TO THE TOWER.
7. EXTEND TWO (2) #2 AWG TINNED CU CONDUCTOR FROM BURIED GROUNDING RING AND CONNECT TO THE NEW TOWER, FOLLOW MANUFACTURERS RECOMMENDATIONS FOR GROUNDING CONNECTIONS TO THE TOWER. (APPLICABLE TO NEW TOWERS ONLY.)
8. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOF-TOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM. THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER, ROOF-TOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY), SEE VERIZON GROUNDING AND BONDING STANDARDS TP-76416 SPECIFICATION 6.5.2.2.
9. FLEX CONDUIT TO BE INSTALLED ON NEW COPPER CONDUCTOR UP TO GROUNDING BAR AND, SEALED AT ENDS TO PROTECT FROM OUTSIDE MOISTURE AND DEBRIS.

EXOTHERMIC WELD CONNECTION

11

MECHANICAL CONNECTION

8

GPS ANTENNA GROUNDING

5

GROUNDING NOTES

2

NOT USED

10

NOT USED

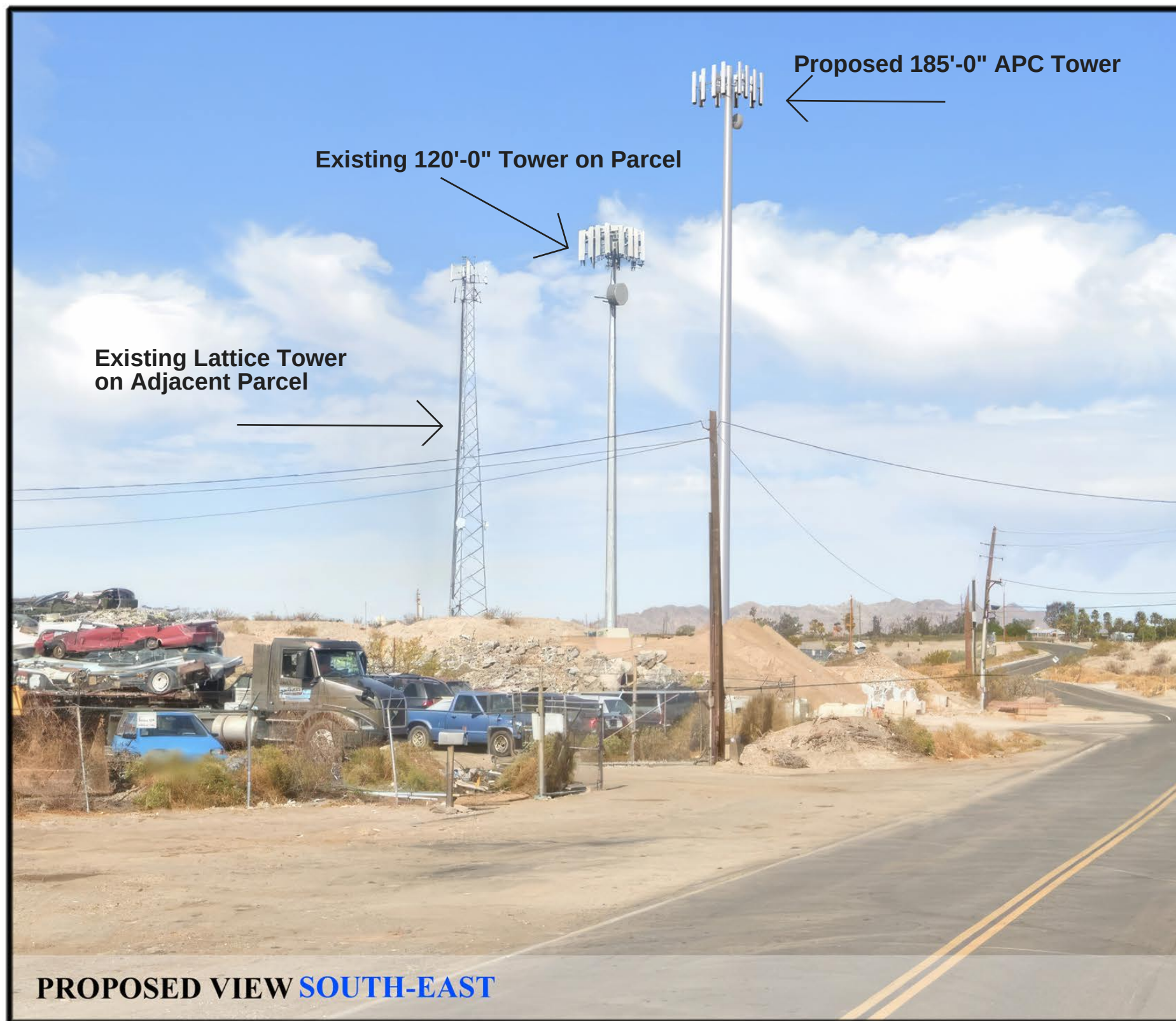
7

NOT USED

4

NOT USED

1



SITE COORDINATES

Latitude: 34° 51' 57.74"

Longitude: -114° 38' 07.81"

SHEET NUMBER

1
3



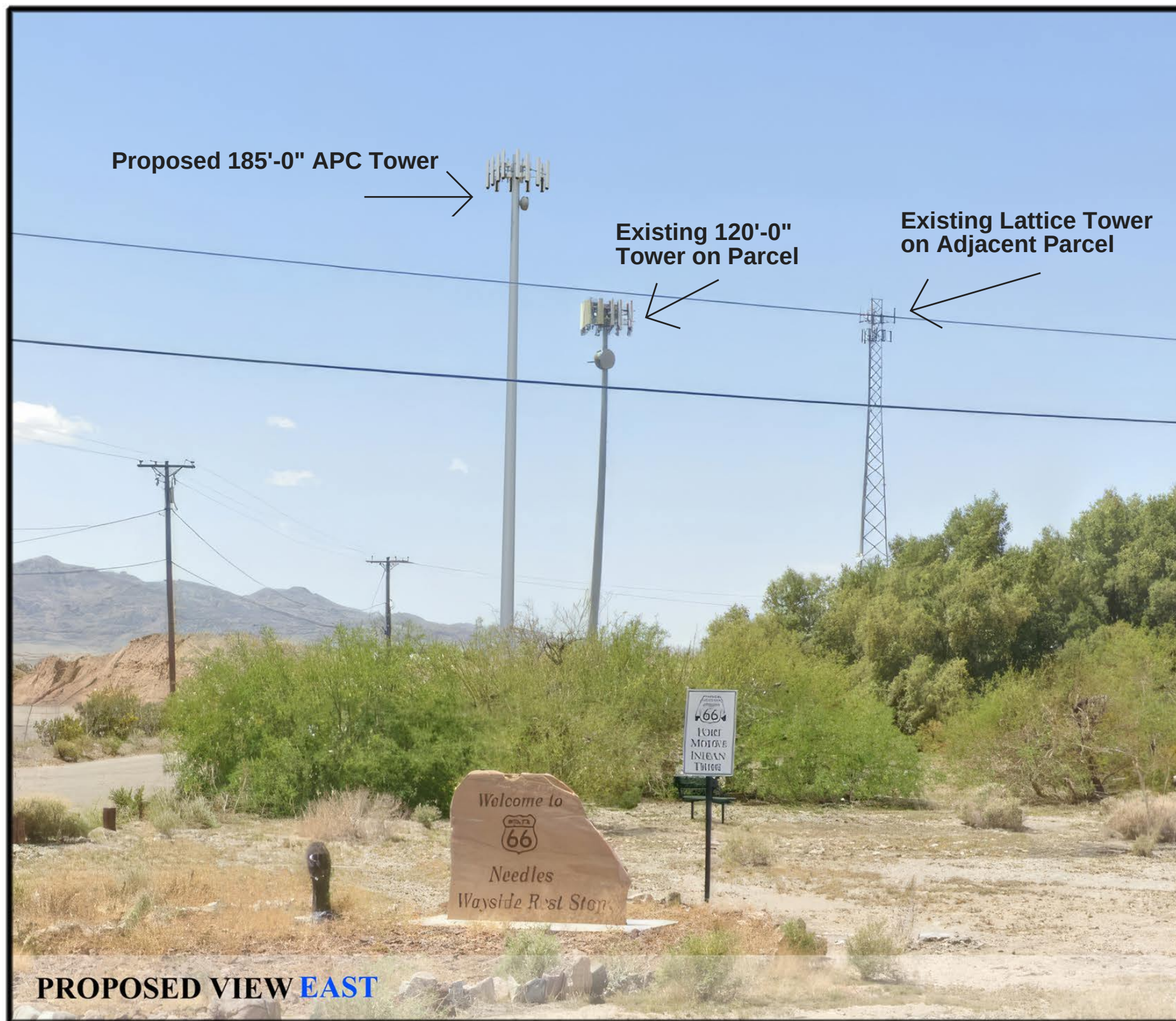
SITE COORDINATES

Latitude: 34° 51' 57.74"

Longitude: -114° 38' 07.81"

SHEET NUMBER

2
3



SITE COORDINATES

Latitude: 34° 51' 57.74"

Longitude: -114° 38' 07.81"

SHEET NUMBER

3
3

PC RESOLUTION NO. 03-05-2025-PC

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF NEEDLES, RECOMMENDING APPROVAL OF A CONDITIONAL USE PERMIT FOR A 185' HIGH WIRELESS COMMUNICATIONS FACILITY TOWER AND ASSOCIATED EQUIPMENT WITHIN A 50'x50' ENCLOSED LEASE AREA LOCATED SOUTH OF NATIONAL OLD TRAILS HIGHWAY, NORTH OF I-40, NEEDLES CALIFORNIA, WITHIN THE HIGHWAY COMMERCIAL (C-3) LAND USE ZONING DESIGNATION, ALSO IDENTIFIED AS ASSESSOR'S PARCEL NUMBER (APN) 0660-162-07-0000

WHEREAS, applicant Jeremy Siegel, on behalf of APC Towers, submitted an application requesting approval of a Conditional Use Permit to allow a 185' high wireless communications facility in a C-3, Highway Commercial zone, at Assessor's Parcel Number (APN) 0660-162-07-0000, located south of National Old Trails Highway, north of I-40, in the Highway Commercial (C-3) land use zoning designation; and

WHEREAS, Section 96.01 (Table of Permissible Uses) and Section 99.09.05 (Telecommunications Towers) of the Needles Municipal Code allows towers in excess of 50' high with masking, in a C-3, Highway Commercial Zone, subject to the approval of a Conditional Use Permit; and

WHEREAS, Section 94.06 of the Needles Municipal City Code specifies the criteria by which a Conditional Use Permit may be granted by the Planning Commission; and

WHEREAS, a public hearing notice for the March 5, 2025 Planning Commission meeting was published in the Needles Desert Star on February 19, 2025, at least 10 days prior to said meeting, and notices were sent to property owners within a 300-foot radius of the subject property specifying the date, time and location of the public hearing; and

WHEREAS, on March 5, 2025, the Needles Planning Commission held a duly noticed and advertised public hearing to receive oral and written testimony relative to the Conditional Use Permit; and

WHEREAS, the Needles Planning Commission has sufficiently considered all testimony and any documentary evidence presented to them in order to make the following determination.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Needles as follows:

SECTION 1. The Planning Commission HEREBY FINDS AND DETERMINES that the proposed project qualifies for a Categorical Exemption under the California Environmental Quality Act, CEQA Guidelines, Section 15303, (new construction or conversion of small structures) of Title 14 of the California Code of Regulations (State CEQA Guidelines). The project consists of a Conditional Use Permit for the construction of 185-foot wireless telecommunication tower (monopole) and associated equipment within a 50' x 50' enclosed lease area. Therefore, the proposed project qualifies for this exemption and no further environmental review is required.

SECTION 2. The Planning Commission HEREBY FINDS AND DETERMINES, with reports and findings, that facts do exist to approve a Resolution 03-05-2025-PC, subject to conditions, according to the criteria specified in Section 94.06 of the Needles City Code:

A. *That the requested permit is within its jurisdiction according to the table of permissible uses.*

FINDING: The project site is zoned Highway Commercial (C-3) and cell towers over 50' are permitted in the C-3 zone with a Conditional Use Permit (CUP) by the City Council.

ATTACHMENT NO. 4
Page 1 of 4

B. *The Application is Complete.*

FINDING: A dimensioned site plan, application and fees were submitted to the city to demonstrate the project meets the criteria of the Needles City Code.

C. *The development will not materially endanger the public health or safety.*

FINDING: The project site is located in a commercially developed rural area of the City. Conditions of approval have been placed on the project for appropriate lighting and fencing to be in place for health and safety purposes. Additionally, the project is required to have engineered drawings and building permits which will ensure that health and safety requirements are satisfied per the International Building Code. The project is required to maintain compliance with Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) regulations in addition to applicable building codes, zoning codes, fire codes, and standards, ensuring a safe, well-designed, and visually appropriate development. Therefore, the proposed project will not endanger life or property in the surrounding area.

D. *The development is in general conformity with the Needles General Plan.*

FINDING: The General Plan designation is “Highway Commercial” and is consistent with the goals and objectives of the General Plan. The Highway Commercial Land Use designation permits the proposed use and Policy LU-1.3 warrants new development fits well with the surrounding area by managing its location, size, and design to reduce negative impacts.

SECTION 3. The Planning Commission HEREBY FINDS AND DETERMINES that facts do exist to approve **RESOLUTION 03-05-2025-PC.**

SECTION 4. Pursuant to Section 95.00 of the Needles City Code an appeal from any final order or decision of the Planning Commission may be taken to the City Council by any person aggrieved within ten (10) days of the decision.

SECTION 5. It is the intent of all of the undersigned parties that Planning Commission Resolution 03-05-2025-PC and the conditions, shall constitute a covenant running with the land and the obligations shall be binding upon, and the benefits shall ensure the parties, their heirs, assigns, transferee, and subsequent purchasers.

SECTION 6. The Planning Commission HEREBY APPROVES Resolution 03-05-2025-PC for a Conditional Use Permit subject to conditions, to allow for a 185’ high wireless communications facility in a C-3, Highway Commercial zone, at Assessor’s Parcel Number (APN) 0660-162-07-0000, located south of National Old Trails Highway, north of I-40, in the Highway Commercial (C-3) land use zoning designation.

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission of the City of Needles, California, recommending approval of a Conditional Use Permit for a 185’ high wireless communications facility in a C-3, Highway Commercial zone also known as APN 0660-162-07-0000, with the conditions stated herein below:

1. Applicant must comply with all requirements of Federal, State and local government regarding licensing and environmental requirements.

2. The project shall meet or exceed current standards and regulations of the Federal Communications Commission (FCC) and Federal Aviation Administration (FAA).
3. The tower shall meet the design standards submitted with the application, identified as Attachment "2", dated with a revision date of 11-11-2024.
4. The property owner and owner of the tower shall maintain it in good condition. Such maintenance shall include, but not limited to, painting, structural integrity of the mount and security barrier, maintenance of the buffer areas, landscaping, etc.
5. The property owner and owner of the tower shall agree that the city and its appointed representative(s) may enter the subject property to obtain RFR and or noise measurements, and to perform maintenance and safety inspections at the expense of the carrier. In the case of taking RFR and or noise measurements, the municipality may enter without any advance notice to either the tower owner or the property owner. In all other cases, the City shall provide reasonable written notice to the carrier and landowner and provide them the opportunity to accompany the municipal representatives when the inspections are conducted.
6. At a tower site, the design of the buildings and related structures shall, to the extent possible, use materials, colors, textures, screening, and landscaping that will blend them into the natural setting and surrounding buildings.
7. Applicant shall mark the cell tower structure with tower lights that meet FAA requirements. Lighting alternatives and design chosen must cause the least disturbance to the surrounding views. The lighting options may directly impact tower finish requirements.
8. No signs or advertising shall be allowed on an antenna or tower.
9. A wireless communications facility shall not interfere with television or radio reception on surrounding properties
10. Tower shall be enclosed by security fencing at eight (8) feet in height. The towers shall also be equipped with appropriate anti-climbing devices.
11. Any tower that is not utilized for a continuous period of twelve (12) months shall be considered abandoned, and the owner of such tower shall remove the same within ninety (90) days of receipt of notice from the City notifying the owner of such abandonment. Failure to remove an abandoned tower within the ninety (90) days shall be grounds for the city to proceed under applicable law to remove the tower or antenna at the owner's expense.
12. Lessee agrees to indemnify, defend and hold the City, its agents and employees harmless from any and all claim for damage, loss or injury arising from and/or related to the use or occupation of the Premises by Lessee or by the party claiming to be injured. Lessee furthermore agrees to reimburse the City for any and all expenses the City might incur as a result of any claim for damage, loss or injury including reasonable attorneys' fees, administrative fees, etc., which are incurred as a direct result of any legal action brought against the City related to the performance of this Lease.
13. Any violation of these conditions can automatically result in cancellation of this Conditional Use Permit.

14. Prior to building permit issuance, plans submitted shall be signed by a California-licensed engineer with structural calculations.
15. Applicant is required to hold a valid City of Needles business license at all times.
16. Applicant must meet all conditions imposed by the San Bernardino County Fire Dept, prior to issuance of Building Permits.
17. The project shall comply with all applicable provisions, regulations, and development standards of the City of Needles Municipal Code.
18. Prior to the construction of any modifications, all structural and aesthetic changes to project design must be requested and approved in writing by the Director of Development Services or as assigned.
19. The project shall only store the necessary equipment to construct and operate onsite.
20. All Conditions of Approval contained herein shall be incorporated into all applicable final construction plans and a copy of these conditions, signed by the property owner or legal representative, shall be placed on the first sheet of the final building plans prior to the issuance of any building permits.
21. The property owner and/or applicant shall pay any fees due to the Needles Public Utility Authority (NPUA) for new electrical services required to support the project.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the Planning Commission of the City of Needles, California, held on the 5th day of March 2025, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Chairperson
Chair Needles Planning Commission

Patrick Martinez
City Manager

CITY OF NEEDLES, CALIFORNIA
Application For Use Permit

Name of Applicant: APC Towers Phone: 714-366-8047 (Applicant must be the owner of the land, the lessee having a lease-hold interest of not less than 5 years, or the agent of any of the foregoing duly authorized in writing)

WE, (I/We) the undersigned, APC TOWERS (Owner/Lessee/Agent) of the property listed below, hereby request that the following stated use be permitted to be constructed and/or operated.

1. Project name and address: APC TOWERS
APN: 0660-162-07-0000

2. Legal Description of Parcel (attach if necessary): _____

District: 10 City, Municipality, Township: SAN BERNARDINO Sec/Twn/Rng/Mer: SEC 13 TWP 9N RNG 22E Brief Description: THAT PTN OF S 1/2 SW 1/4 SW 1/4 SE 1/4 SEC 13 TP 9N R 22E BEING MORE PARTICULARLY DESC AS FOL BEG AT S 1/4 COR OF SD SEC 13

3. Briefly Describe: a. Purpose and Intent of proposed project (include acres, square feet, units, etc.).

APC Towers modification to existing entitlement to request a 25' extension to approved 160' monopole.

A Special Use Permit (Resolution No. 01-03-2024-PC) for a 160-foot wireless communications facility (monopole) was approved by the Planning Commission of the

City of Needles on January 3, 2024. APC Towers has submitted a Conditional Use Permit application to request an amendment to the approved project to support an increase in height of the monopole by 25'.

b. Population projection (project residents): NA

c. Number of persons employed during operation: full time None part time None

d. Will the Project require new utility services? x yes no

i. Water Service NA no. If so, estimated peak water demand in gallons/minutes: _____, service requirement.

ii. Sewer Service NA no. Any chemical wastes expelled in sewers? _____
If yes, explain: _____

iii. Electric Service: main size _____; single phase x; three phase _____.
Attachment to existing electric facilities: load calculations _____.

e. Estimated daily vehicular traffic generated by the operation: NA Comment: _____

f. List major machines – give horsepower and noise rating in decibels: NA

g. Will the project require a permit from the Air Pollution Control District, and if so, describe: _____
No

h. What will be the hours of operation: 24/7, unmanned wireless facility

i. Describe materials or machinery that will be stored or parked outside: None

4. Attached (X) Site Plan (X) Elevations(X); Filing Fee (X); Legal(X); (site plans folded 8 1/2" x 11" reduction)

AUTHORIZATION

Names and signatures of all persons having an interest in this property described as 0660-162-07-0000 (the "Property") whose consent is required (by virtue of such interest) to authorize the filing of this application.

NAME (print or type), Signature & Address

CAPACITY (Check appropriate)

OWNER*

LESSEE

AGENT

OTHER (Describe)

Douglas C. Jones

X

Signature

Address 899 Tamarisk Rd

Palm Springs, CA 92262

Signature

Address

OWNER: As Owner of the Property, I Douglas C. Jones hereby declare and certify under penalty of perjury under the laws of the State of California that the above-named person(s) is/are duly authorized to act on my behalf with the City of Needles and NPUA and represent my interests in the Property before the Planning Commission and the City Council/NPUA, including but not limited to in connection with the application filed herewith.

[Signature]

Signature of Property owner

Douglas C. Jones

Owner name printed

NOTARY

OWNER SIGNATURE NOTARIZATION:

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)

COUNTY OF Riverside) SS:

On January 7, 2025, before me, Linda Avila Lira, a Notary Public, personally appeared Douglas C. Jones, **Owner**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

(seal)



[Signature]
Signature/Notary

AUTHORIZATION

Names and signatures of all persons having an interest in this property described as 0660-162-07-0000 (the "Property") whose consent is required (by virtue of such interest) to authorize the filing of this application.

NAME (print or type), Signature & Address

CAPACITY (Check appropriate)

OWNER*

LESSEE

AGENT

OTHER (Describe)

Terrence B. Jones

x

Signature

Address

899 Tamarisk Rd
Palm Springs, CA 92262

Signature

Address

OWNER: As Owner of the Property, I Terrence B. Jones hereby declare and certify under penalty of perjury under the laws of the State of California that the above-named person(s) is/are duly authorized to act on my behalf with the City of Needles and NPUA and represent my interests in the Property before the Planning Commission and the City Council/NPUA, including but not limited to in connection with the application filed herewith.

Terrence B. Jones

Signature of Property owner

Terrence B. Jones

Owner name printed

NOTARY

OWNER SIGNATURE NOTARIZATION:

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I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

(seal)



Signature, Notary



MINUTES

ADJOURNED REGULAR MEETING
OF THE PLANNING COMMISSION
CITY OF NEEDLES, CALIFORNIA
WEDNESDAY, FEBRUARY 12, 2025 AT 4:00 PM
EL GARCES - 950 FRONT STREET, NEEDLES

CALL TO ORDER - Vice Chair Wright called the meeting to order at 4:05 PM

ROLL CALL

PRESENT

Commissioner Charles Dressler
Commissioner Will Bosboom
Commissioner Joe Payson
Commissioner Michael Wright
Commissioner Kevin Ostby
Commissioner Barbara Beard
Commissioner Owen Long

PLEDGE OF ALLEGIANCE - Led by Vice Chair Wright

APPROVAL OF AGENDA

Commissioner Ostby made a motion, second by Commissioner Beard, to approve the agenda. Motion carried by the following vote:

Ayes: Commissioners Dressler, Bosboom, Payson, Vice Chair Wright, Commissioners Ostby, Beard, Long
Noes: None
Absent: None
Abstain: None

CONFLICT OF INTEREST - None

CORRESPONDENCE - None

INTRODUCTIONS – Vice Chair Wright acknowledged Mayor Jernigan in attendance.

Interim City Clerk Candace Clark administered the Oath of Office to newly appointed Planning Commissioners Joe Payson and Owen Long.

1. Selection of Chair and Vice Chair for the ensuing year of 2025

Commissioner Dressler made a motion, second by Commissioner Bosboom, to appoint Michael Wright as Chair. Mr. Wright indicated he would accept the motion.

City Manager Martinez asked if there were any other nominations for Chair.

Commissioner Beard made a motion, second by Commissioner Ostby, to nominate Joe Payson as Chair.

City Manager Martinez asked both nominees to speak. Commissioner Wright spoke first, acknowledging his experience as Vice Chair.

Commissioner Payson declined the nomination, stating his busy schedule with his business may interfere.

Commissioner Dressler made another motion, second by Commissioner Bosboom, to appoint Michael Wright as Chair. Motion carried by the following vote:

Ayes: Commissioners Dressler, Bosboom, Payson, Vice Chair Wright, Commissioners Ostby, Beard, Long
Noes: None
Absent: None
Abstain: None

Chair Wright called for a motion to appoint a Vice Chair.

Commissioner Dressler made a motion, second by Commissioner Ostby, to appoint Commissioner Payson.

Chair Wright stated he would like to nominate Commissioner Will Bosboom. Commissioner Bosboom stated he appreciated the nomination but declined due to his uncertain work schedule.

Commissioner Dressler's motion, and Commissioner Ostby's second to appoint Commissioner Payson as Vice Chair was confirmed. Motion carried by the following vote:

Ayes: Commissioners Dressler, Bosboom, Payson, Chair Wright, Commissioners Ostby, Beard, Long
Noes: None
Absent: None
Abstain: None

PUBLIC APPEARANCE - None

PUBLIC HEARING

2. Approval of Planning Commission Resolution No. 02-12-2025-PC recommending City Council approval of a Conditional Use Permit, for the conversion of an existing motel to a multi-family residential complex comprised of 29 micro-apartments and 1 manager's office unit at 1707 Needles Hwy, (APN 0185-048-09-0000) in the General Commercial (C-2) land use zoning designation.

City Planner Irene Romero gave power point presentation and staff report. She addressed minor wording changes on conditions #1, 24 and 18.

Considerable discussion ensued.

Commissioners asked questions and City Manager Martinez and City Planner Romero responded.

Applicant responded to questions from Commissioners

Chair Wright opened the public hearing at 4:52 pm

No Public Comment

Chair Wright closed the public hearing at 4:53 pm

Commissioner Beard made a motion, second by Commissioner Ostby, to adopt Planning Commission Resolution No 02-12-2025-PC recommending City Council approval of a Conditional Use Permit, for the conversion of an existing motel to a multi-family residential complex comprised of 29 micro-apartments and 1 manager's office unit at 1707 Needles Hwy, (APN 0185-048-09-0000) in the General Commercial (C-2) land use zoning designation.

Motion carried by the following vote:

Ayes: Commissioners Dressler, Bosboom, Vice Chair Payson, Chair Wright, Commissioners Ostby, Beard, Long
Noes: None
Absent: None
Abstain: None

REGULAR ITEMS

2. Approve the Minutes of October 9, 2024

Commissioner Dressler made a motion, second by Commissioner Ostby, to approve the Minutes of October 9, 2024. Motion carried by the following vote:

- Ayes: Commissioners Dressler, Bosboom, Vice Chair Payson, Chair Wright, Commissioners Ostby, Beard, Long
- Noes: None
- Absent: None
- Abstain: None

COMMISSIONER REQUESTS

Commissioner Dressler complimented staff on landscaping at the Senior Center.
Chair Wright congratulated Armen on the Sage being opened.

CITY MANAGER REPORT

City Manager's Reports for weeks of January 24 and 31, 2025 given by City Manager Martinez

ADJOURNMENT

Chair Wright called for a motion to adjourn. Commissioner Ostby made a motion, second by Commissioner Dressler. Motion passed by unanimous vote.
Meeting adjourned at 5:26 PM

Chair Michael Wright

Interim City Clerk Candace Clark



City of Needles

817 Third Street, Needles, California 92363
(760) 326-2113 • FAX (760) 326-6765
www.cityofneedles.com

Mayor, Janet Jernigan
Vice Mayor Ellen Campbell
Councilmember Tona Belt
Councilmember Jamie McCorkle
Councilmember JoAnne Pogue
Councilmember Henry Longbrake
Councilmember Zachery Longacre

City Manager Patrick J. Martinez

MEMORANDUM

TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

FROM: PATRICK J. MARTINEZ, CITY MANAGER

SUBJECT: WEEKLY MEMORANDUM

DATE: February 14, 2025

1. The **City of Needles** remains committed to enhancing our community's cleanliness, safety, and overall appeal. The **City Council has prioritized clean-up and beautification efforts**, ensuring Needles remains a welcoming place for residents and visitors. Through coordinated efforts with city staff, volunteers, and partner agencies, we continue to improve public spaces and maintain a high quality of life. Recently, **Public Works, Parks, Electric, Water, and Wastewater teams** worked together on citywide maintenance, including **removing dead vegetation at the cemetery, trimming trees downtown, and maintaining palm trees as part of proactive fire prevention and beautification efforts**. These initiatives help keep our city clean, safe, and visually appealing.

Community involvement plays a crucial role in these efforts. The **Needles Pride Program** inspires residents to take an active role in keeping their neighborhoods clean. The most recent **Pop-Up Clean-Up Event**, hosted by **Military Moms**, was a great success. Volunteers gathered at **Broadway Street and G Street (The Needles Sign)** to clean Broadway Street, removing **over 20 bags of trash, brush, and debris**. This collective effort demonstrates the power of community engagement and civic pride. **Refer to the attached images for a glimpse of their transformative efforts.**

The **City of Needles** also recognizes and appreciates the ongoing support from **Caltrans** in keeping our roadways clean and safe. Last week, Caltrans conducted **landscaping and vegetation removal along Interstate 40**, including clearing trees and enhancing roadside aesthetics. Their work, which extended from **O Street Market to Bush Street**, supports regional beautification and ensures a well-maintained **I-40 corridor**. The **next community clean-up event** is scheduled for **Saturday, February 22, 2025, at 9:00 AM**, focusing on **J Street Hill, near Dollar General (1500 Hospitality Lane, Needles, CA 92363)**. We encourage all residents to participate and help **beautify our city while addressing littering concerns**. Residents are also encouraged to report

maintenance concerns or issues through the appropriate channels. Reports related to **California State Highway System concerns** can be submitted directly to **Caltrans** at <https://csr.dot.ca.gov/>. For matters **within the City of Needles**, please contact **(760) 326-2115** or use the **Needles Connect app**, on the [Apple App Store](#) and [Google Play Store](#). Thank you to our residents, volunteers, and city staff for their dedication and hard work. **Together, we can ensure Needles remains a clean, safe, and vibrant community for all.**

2. City staff is pleased to share a recent **code enforcement success story** regarding **404 D Street**. Nearly a year ago, the **City Attorney's Office**, in collaboration with the courts, successfully appointed a **receiver** to address longstanding **code violations** at the property. Through this process, the property transitioned into **responsible ownership**, and the new owner has since been actively rehabilitating the home. This achievement not only resolves a significant **code enforcement issue** but also aligns with the City Council's goal of **enhancing infrastructure, improving neighborhood conditions, and addressing the housing shortage**. By bringing a revitalized home back onto the market, this effort directly contributes to Needles' ongoing commitment to **community development and responsible property management**.

These successes require **time, persistence, and collaboration**, but they demonstrate the **positive outcomes achieved** when the City, legal resources, and property owners work together. Special appreciation is extended to **city staff, the City Attorney's Office, and all involved partners** for their dedication to ensuring properties are **maintained to a high standard** and neighborhoods continue to **thrive**. The City remains committed to **proactively addressing code violations, improving livability, and supporting responsible property ownership** to enhance all residents' overall quality of life.

3. The **City of Needles** and the **San Bernardino County Sheriff's Department - Colorado River Station** are pleased to invite the community to attend **Coffee with a Cop on Wednesday, February 19, 2025, at 11:00 AM at The 19th Hole, 144 Marina Drive, Needles, CA**. This event allows residents to engage in **informal conversations with local deputies**, fostering positive relationships, promoting transparency, and encouraging open dialogue. This initiative aligns with the **City Council's goal of strengthening community engagement** by creating meaningful connections between law enforcement and the public. There is **no set agenda**—just an opportunity for residents to **meet, ask questions, and discuss community concerns in a welcoming environment**. Events like these build trust, enhance **public safety, and ensure a well-informed and engaged community**. We encourage all community members to attend. **For more details, please refer to the attached flyer.**
4. This past week, **Assistant Chief Bill Villarino, Division 4 of the San Bernardino County Fire District (SBCFD)**, updated the **City Council** on fire safety efforts in Needles. His presentation emphasized the **importance of proactive fire prevention, emergency preparedness, and maintaining fire response resources**. The **Residential Assessment Program (RAP)** was a

key topic that offers **free home wildfire risk assessments** for properties in high-risk areas. SBCFD conducts these evaluations to help homeowners **identify hazards, improve defensible space, and enhance fire resilience**. Residents are encouraged to participate by visiting www.sbcfire.org or calling **(909) 386-8400**. The City of Needles has also taken **proactive steps** in collaboration with SBCFD to **enhance fire preparedness, ensure hydrant functionality, and mitigate fire risks**. As part of these efforts, residents are urged to take responsibility for fire prevention by **removing dry vegetation, clearing access routes for emergency responders, and maintaining defensible space around their homes**. These fire safety initiatives align with the **City Council's goals of improving infrastructure, fostering community engagement, and ensuring a safe and resilient city**. We appreciate **Assistant Chief Villarino and SBCFD's** continued partnership and encourage the community to utilize available fire prevention resources.

5. The Rivers Edge Golf Course continues to be the **go-to destination for competitive tournaments, community events, and top-tier golf experiences**. With a **challenging yet player-friendly layout**, the course attracts golfers of all skill levels looking for a great time on the links. Last weekend, the **Women's Club of Needles** kicked off its **inaugural tournament**, drawing **30 competitors** for a successful day of golf, camaraderie, and competition. Next is the **Wilson Birthday Bash Tournament on February 22, 2025**, followed by the **Needles Area Chamber of Commerce & Visitor's Center Second Annual Lucky Greens Tournament on March 15, 2025**. **Twilight League play returns in March**, giving players another shot at the weekly competition. For those looking to sharpen their game, **golf lessons resume tomorrow, February 15, 2025**, providing an opportunity to refine skills and gain an edge on the course. Rivers Edge Golf Course also offers **event hosting for tournaments and group outings**, complete with professional coordination to ensure an unforgettable experience. For more details or to lock in your next round, contact **JJ DeLeon at (760) 326-3931**. **Step up, tee off, and experience the best of Rivers Edge Golf Course!**
6. **The Well No. 11 Treatment Plant Project** ribbon-cutting ceremony, originally scheduled for **March 4, 2025**, will be rescheduled to accommodate representatives from key agencies who funded the project. This **\$8.9 million project** is a major step in strengthening Needles' water infrastructure, ensuring a long-term, reliable supply of high-quality drinking water. Final system calibration is underway, marking the near completion of this critical investment in our community. **Once a new date is confirmed, we will share updated details.**
7. This week, city staff met with representatives from the **Bureau of Land Management (BLM)** to develop a coordinated plan for the safe relocation of the four burros roaming on the **Rivers Edge Golf Course**. The **Burro Extraction Team** worked closely with staff to establish a designated feeding area, a critical first step in preparing a humane trapping method for their safe relocation. The burros have not been observed in the area recently, possibly due to recent

rainfall, which may have influenced their mobility patterns. While their absence suggests they may have moved on naturally, the city remains vigilant and prepared to proceed with relocation efforts if they return. Public safety remains a top priority, particularly as we approach the start of **boating season and the opening of the Jack Smith Boat Launch next month with weekend use**. The city will continue monitoring the situation to mitigate any potential hazards for drivers and visitors. **Refer to the attached images for a visual update on the extraction efforts**. We appreciate the collaboration with BLM and will provide further updates as needed.

8. City officials attended the **2025 Laughlin Economic Development Corporation (LEDC) Annual Meeting on February 13, 2025**, at the Laughlin Bay Marina. This event provided valuable insights into regional economic development, infrastructure improvements, and collaborative opportunities that align with the City Council's goals for **business growth, infrastructure investment, and community engagement**. Key discussions focused on **regional economic collaboration, infrastructure funding, and tourism expansion**, reinforcing the importance of partnerships between Needles and neighboring communities like Laughlin. Strengthening these relationships supports the City's efforts to **enhance economic opportunities, attract businesses, and improve public spaces**. The meeting also highlighted state and federal funding opportunities for infrastructure projects, which aligns with Needles' commitment to securing grants and investments for **road improvements, public amenities, and essential services**. Participation in the **LEDC Annual Meeting** ensures Needles remains engaged in regional economic discussions and strengthens its position in **California-Nevada border commerce and tourism development**. The City looks forward to continuing collaboration with regional partners to **drive economic growth, expand business opportunities, and enhance community development**.

9. **IMPORTANT UPCOMING DATES:**

- **February 20, 2025 – Needles Chamber "Good Morning Needles"**
Hosted by **TriState WiFi**, this networking event will take place at **7:30 a.m.** at **950 Front St., Needles**. It provides an opportunity for local businesses and community members to connect and discuss ongoing initiatives. **RSVP by calling 760-326-2020**.
- **March 1, 2025 – Household Hazardous Waste Collection Event**
The event will take place at the **Needles City Public Works Yard (112 Robuffa Street)** from **7:00 a.m. to 11:00 a.m.** Residents are encouraged to properly dispose of **used motor oil, batteries, paint products, and household cleaners**. For inquiries, contact the **Household Hazardous Waste Program at 909-382-5401 or 1-800-OILY-CAT**.
- **March 19, 2025 – 3rd Annual Job and Resource Fair**
Hosted by **San Bernardino County Supervisor Dawn Rowe**, this event at the **El Garces Historic Train Depot (950 Front Street, Needles, CA)** from **10:00 a.m. to 2:00 p.m.** will provide **networking opportunities** for residents, city staff, and public officials to connect with agencies and organizations offering **job placement and essential services**.

- **April 10-12, 2025 – Art in the Park Save the date!** The **second annual Art in the Park** will showcase **art pieces from across the Tri-State region** in partnership with the **River Valley Artist Guild**. This event celebrates local creativity and community engagement. **More information to come.**
- **April 19, 2025 – Needles’ 1st Annual World-Famous Chili Cookoff**
Hosted by **The River Community Coalition & Firehouse Ministries**, this exciting new event will take place at **10:00 a.m.** Santa Fe Park (950 Front Street). Attendees can expect **delicious chili, friendly competition, and a celebration of community spirit.**
- **April 21-27, 2025 – Route 66 Bike Week**
This **weeklong event** celebrates the **historic Route 66** with a **scenic ride from Needles to Seligman**, highlighting the spirit of the **open road and motorcycle culture.**
- **April 24, 2025 – Needles Animal Shelter Spay/Neuter Clinic**
The **Needles Animal Shelter** will host a **spay/neuter clinic** to promote **responsible pet ownership**. Space is **limited**, and residents must **RSVP** by completing an application and providing proof of residency. A portion of the cost is **subsidized** to make the service more accessible. For more details or to schedule an appointment, call **(760) 326-4952.**
- **May 14, 2025 – Run for the Wall (RFTW)**
This **annual tribute honoring Vietnam Veterans** will welcome over **300 motorcyclists** passing through Needles. The riders will **arrive at the historic El Garces at noon**, offering a meaningful opportunity to **honor their service.**
- **Community Calendar**
Local organizations are encouraged to coordinate with the City Clerk’s Office to add or update events, keeping the calendar accurate and beneficial for the community. To submit an event or request changes, contact Candace Clark at **cclark@cityofneedles.com.**

1. COMMUNITY BEAUTIFICATION



1. COMMUNITY CLEANUP



1. COMMUNITY BEAUTIFICATION



1. COMMUNITY BEAUTIFICATION



2. RECEIVERSHIP PROGRAM



3. SBCSD- COLORADO RIVER STATION



Join us for
*Coffee with a
Cop!*

*Wednesday
Feb 19th
11:00 a.m.*



~NO AGENDA~
ENJOY COFFEE &
CONVERSATION
WITH LOCAL
DEPUTIES!



**THE 19TH HOLE
NEEDLES, CA**

144 Marina Drive





4. SBCFD

Residential Assessment Program (RAP)

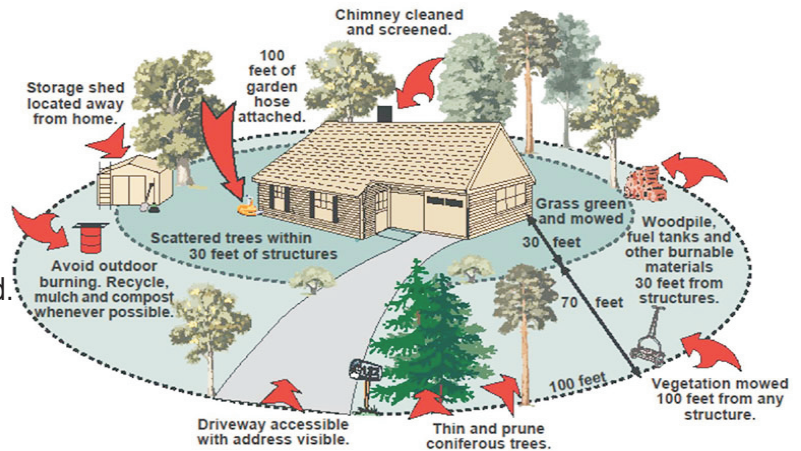
Together we can help make your home Fire Safe and Defensible

In an effort to ensure the maximum level of wildfire preparedness, San Bernardino County Fire Department conducts **FREE** engine company residential assessments in rural areas that have high risk for wildfire.

Step 1 Fire Safe Checklist

- ☐ Address clearly visible from street (4" tall min. on contrasting background).
- ☐ Weeds and grasses need to be cut to 4" or less, 100 ft around structures and 10 feet from roadsides.
- ☐ Within 100 ft (or property border) all trees over 12 ft have all foliage and limbs removed 6 ft above ground.
- ☐ Tree trimmings and brush (in piles) on the ground, branches less than 4" in diameter, and leaves or shrub trimmings must be removed.
- ☐ Combustible (flammable) debris must be completely removed from all areas of your property.
- ☐ Pine needles over 2" in depth must be removed from all areas of the property.
- ☐ Clear chimney area of vegetation within 10'. Spark arrestor of 1/2 inch mesh required.
- ☐ Remove dead trees completely.
- ☐ Prune and/or remove shrubs to provide separation from ground and each other.

Step 2 Complete Defensible Space



Step 3 Prepare Your Family

- Create a Family Disaster Plan that includes meeting locations and communication plans and rehearse it regularly. Include in your plan the evacuation of pets and large animals.
- Plan several different evacuation routes. Designate an emergency meeting location outside fire hazard area.
- Appoint an out-of-area friend or relative as a point of contact so you can communicate with family members who have relocated.
- Maintain a list of emergency contact numbers posted near your phone and in your emergency supply kit.
- Keep an extra emergency supply kit in your car in case you can't get to your home because of fire.



SBCFD Wildland
Fire Safety

ADDITIONAL RESOURCES

For more information about making your home Fire Safe, call the Office of the Fire Marshal at (909) 386-8400. Visit our website at www.sbcfire.org and click on the Residential Assessment Program (RAP) link:



Additional information on wildfire prevention, legal outdoor fires and other helpful links are available at: **READY! SET! GO!**

Please email us at countyfirerap@sbcfire.org to schedule an assessment and seek information about RAP.

For more information:
(909) 386-8400 or visit
www.sbcfire.org

7. BURRO ACTIVITY JACK SMITH PARK





City of Needles

817 Third Street, Needles, California 92363
(760) 326-2113 • FAX (760) 326-6765
www.cityofneedles.com

Mayor, Janet Jernigan
Vice Mayor Ellen Campbell
Councilmember Tona Belt
Councilmember Jamie McCorkle
Councilmember JoAnne Pogue
Councilmember Henry Longbrake
Councilmember Zachery Longacre

City Manager Patrick J. Martinez

MEMORANDUM

TO: HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

FROM: PATRICK J. MARTINEZ, CITY MANAGER

SUBJECT: WEEKLY MEMORANDUM

DATE: February 21, 2025

1. Today, **City staff** met with the **District Director** and **Deputy District Director – Design for Caltrans District 8** to discuss **infrastructure projects, grant funding, and strategic partnerships**. The meeting focused on **Caltrans’ ongoing investments** in Needles, which include:
 - **\$5 million+** for **off-ramp improvements** (California Sign Project)
 - **\$2.17 million** from the **Clean California Grant Program (APWA Award)**
 - **\$245,000** from the **Sustainable Communities Planning Grant**
 - **\$758,000** in **federal funding** for the **Olberholte Street Project**
 - **\$2 million+** for the **Active Transportation Plan**Discussions covered the **City’s Off-Highway Motor Vehicle (OHMV) Pilot Program** and its implementation. Additionally, the City highlighted **Needles’ role as a BNSF railway hub** and explored the potential for **developing a vehicle charging hub** to advance **renewable energy and electric vehicle (EV) infrastructure**. **Safety and traffic flow improvements** were key topics, particularly **enhancements to Highway 95** and the need for **improved lighting on the D Street Bridge**. The meeting **strengthened collaboration** between the **City and Caltrans**, reinforcing the importance of **state and federal investments in transportation infrastructure** to support **economic growth, mobility, and community development** in Needles.
2. The **Needles Pride Program** is thriving, inspiring residents to take an active role in improving their neighborhoods, fostering community pride, maintaining properties, and ensuring compliance with city codes. One of the program’s greatest successes has been its ongoing community clean-up efforts, and the next event is set for **tomorrow, February 22, 2025, at 9 AM**. **Councilmember Zachery Longacre** will lead the charge to **clean up J Street Hill**, and all community members are invited to join. Volunteers should meet near **Dollar General (Corner of J Street and Hospitality)**, where bags, gloves, and pickers will be provided—bring your enthusiasm and dedication to keeping Needles beautiful! At the same time, **fire prevention remains a top priority** for the city. Many property owners have already stepped up to clear and maintain their lots,

and our **Public Works crew is actively trimming trees throughout the city this week** to enhance safety and aesthetics. As we gear up for the season, take a sneak peek at the attached photo of our team hard at work at **Jack Smith Park**. Additionally, the swim area at Jack Smith park is now ready for the summer season. This work is being performed annually to ensure a better experience for everyone at our beaches. Let's keep the momentum going and continue positively impacting our community! **Refer to the attached flyer for more information.**

3. The **City of Needles** is taking another significant step in improving essential infrastructure with the upcoming **Water Service Lateral Replacement Project**. **Phillips Excavating** will begin work **next week**, launching a **\$500,000 investment** to upgrade water service laterals across several key neighborhoods. The project will start on **El Monte Street** and extend to **Carty Way, Carty Circle, Carty Place, Desoto Street, I Street, H Street, G Street, and Crestview Drive**. Now entering the **second half of its fourth year**, the City has committed **\$3.6 million this fiscal year** toward comprehensive **waterline and street upgrades**, ensuring **residents receive reliable, modernized infrastructure**. In addition, **the city is preparing to go out to bid for the paving portion of the project**, ensuring that once underground improvements are complete, the affected streets will be repaved for enhanced durability and safety. This initiative aligns with the **City Council's goal to enhance infrastructure and public spaces**, reinforcing Needles' dedication to creating a **sustainable, functional, and attractive environment for residents and visitors**. Investments like these **improve essential services, increase long-term sustainability, and support economic growth** by making Needles a more **resilient and connected community**. **Refer to the attached exhibit for additional details on the Phase 4B project plan**. We appreciate the community's patience and support as we continue making Needles an even better place to live, work, and visit!
4. The **Billet Health team** comprises of professionals specializing in **mobile physicians, remote patient monitoring, home health, hospice, and primary care**. The **City of Needles** collaborates with Billet Health to support our **Veterans Housing Program**, ensuring that local veterans receive the necessary care and resources. Today, Billet Health launched its **"Donuts and Coffee for Veterans"** initiative to **honor and thank our veterans for their service**. This event will now be held **monthly** at the **Sage Motel (1624 W Broadway Street, Needles, CA 92363)**, providing a welcoming space for veterans to connect and receive support. The **next "Donuts and Coffee for Veterans" event** will occur on **March 21, 2025, at 9:00 AM**. Please see the **attached flyer** for the full schedule and refer to the **attached images** for highlights from today's event. This initiative strengthens our ongoing commitment to **supporting veterans in our community**, and we appreciate Billet Health's dedication to this effort.
5. City officials, business owners, community members, and the **San Bernardino County Sheriff's Department - Colorado River Station** came together on

Tuesday for the **Coffee with a Cop** event. This initiative provided a valuable opportunity for residents to engage in open conversations with local law enforcement, fostering stronger relationships and reinforcing our shared commitment to public safety. As part of our ongoing efforts to protect the community, the **City of Needles recently formed a multi-agency task force** in partnership with **SBCSD, Caltrans, and the Needles Unified School District** to combat vandalism and graffiti. These acts will not be tolerated, and I want to personally commend **SBCSD** for their dedication to keeping our city safe. On **Monday, February 17, 2025, at 6:44 p.m., Needles deputies** responded to a report of a juvenile brandishing a firearm near **Flip Mendez Parkway**. When approached, two juveniles fled on foot but were quickly detained after a pursuit. Deputies recovered a **semi-automatic handgun** in the area. A **16-year-old on probation** was arrested and remains in custody without bail, while the second juvenile was released to a guardian, with a report submitted to the **Juvenile District Attorney** for review. Our **commitment to public safety** remains unwavering. Through continued collaboration with law enforcement, local agencies, and engaged community members, we will ensure that Needles remains a safe and welcoming place for all. For more details, please see the **attached press release**.

6. This week, **City officials attended Pacific Clinics' SPIKES Clubhouse Member Appreciation Day**, recognizing the vital services the center provides to the community. Since opening in **November 2024, Pacific Clinics** has served residents **18 and older**, focusing on **behavioral health recovery, peer support, and essential resources**. Beyond mental health services, the center offers **assistance for families, individuals affected by domestic violence, those facing food insecurity, and support for healthy living and community engagement**. Pacific Clinics, a **California non-profit public benefit corporation**, operates under contract with the **San Bernardino County Department of Behavioral Health** to provide mental health services statewide. For a glimpse into the event, see the **attached images**, and for more information on available programs, refer to the **attached flyer** or contact **Sonia Vicario at 626-753-8725 or sonia.vicario@pacificclinics.org**.
7. The **47th Annual Colorado River Round-Up** returns to **Needles, California, on April 4-5, 2025**, bringing a **weekend full of rodeo action, live entertainment, and family-friendly activities**. Hosted at the **Needles Rodeo Grounds (1001 San Clemente Street)**, this **Grand Canyon Professional Rodeo Association (GCPRA) sanctioned event** highlights the **tradition, skill, and excitement of rodeo competition**. Attendees can enjoy **rodeo performances, local vendors, a cornhole tournament, the Junior Barrel Race, Mutton Bustin', and live music, with a Rodeo Dance featuring "Littletown" each evening**. Presale tickets are available **March 31 - April 3, 2025, at the Rodeo Store (920 W. Broadway) from 10:00 AM - 4:00 PM**. Prices are **\$15 for a 2-day adult pass and \$5 for kids**. Regular admission is **\$10 for adults (18+), \$5 for youth (6-17), and free for children 5 and under**. This **premier rodeo event** aligns with the **City Council's goals to enhance community engagement, promote public celebrations, and support**

tourism-driven economic growth. With a weekend full of **rodeo action, live music, local vendors, and exciting competitions**, this event is a **must-see for residents and visitors alike**. For more details, see the **attached flyer**, visit www.needlesrodeo.com, or contact **Judy Thornton at 760-333-5255**. Join us in celebrating the spirit of rodeo and community in Needles!

8. I am excited to announce that the **Needles High School boys' and girls' basketball teams** have won the **2025 Nevada Interscholastic Activities Association (NIAA) Class 2A Southern Regional Championship**. Their outstanding performance has secured a place in the **2025 NIAA Class 2A State Basketball Championship** semi-finals, which begin **today**, with the **girls' team playing at 3:30 PM** and the **boys' team at 5:15 PM**. The **State Finals** will take place **tomorrow, Saturday, February 22, 2025, at Cox Pavilion (4505 S Maryland Pkwy #2022, Las Vegas, NV 89154)**, with the **girls' championship game tipping off at 2:00 PM** and the **boys' game at 3:45 PM**. This is a tremendous achievement for our student-athletes, and we encourage the community to rally behind them as they compete for the **state title**. **Join us in celebrating their success and the spirit of sports in Needles!** Refer to the **attached brackets** for additional tournament details.
9. The **City** continues working with the **Bureau of Land Management (BLM)** to develop a **coordinated plan** to relocate the **four burros roaming Rivers Edge Golf Course** safely. The **Burro Extraction Team** remains actively engaged, and a **designated feeding area** has been established—a critical first step in preparing a **humane trapping method** for relocation. **BLM is still awaiting authorization from Washington, D.C., to proceed safely**. This effort has been **ongoing**, and City staff **continue to meet regularly with BLM** to advance the process. With **boating season** approaching and the **Jack Smith Boat Launch** reopening for weekend use next month, **public safety remains a top priority**. The **City will continue monitoring** the situation to mitigate potential hazards for drivers and visitors. We appreciate **BLM's collaboration** and will provide updates as they become available.
10. Get ready for an **action-packed week** as **Needles High School Spring sports** kick off with **two major tournaments**, reinforcing the City's commitment to **sports tourism and community engagement**. The **Needles High School Baseball and Softball Colorado River Invitational Tournament** will run from **February 27 through March 1, 2025**, with games hosted at **Needles High School Field** and **Nikki Bunch/Franz Flowers Ball Fields** (refer to the **attached brackets for more information**). **Donations** for the **snack shack** are being accepted throughout the week, with **baseball donations collected at the Eagles** and **softball donations collected at Nikki Bunch Ball Fields** to support these events and our student-athletes. Rounding out the week, the **18th Annual Needles Spring Classic Basketball Tournament** will occur on **March 1-2, 2025**, featuring **27 teams** competing at the **Needles Recreation Center**. These tournaments align with the **City Council's goals to enhance public spaces, foster economic growth, and position Needles as a premier sports tourism destination**. By hosting regional sporting events, the City **attracts**

visitors, boosts local businesses, and strengthens community engagement, reinforcing Needles' identity as the **Gateway to California on Route 66 and the Colorado River**. We encourage residents and visitors to join us in celebrating the spirit of sports and supporting these exciting tournaments!

11. IMPORTANT UPCOMING DATES:

- **March 1, 2025 – Household Hazardous Waste Collection Event**
The event will take place at the **Needles City Public Works Yard (112 Robuffa Street)** from **7:00 a.m. to 11:00 a.m.** Residents are encouraged to properly dispose of **used motor oil, batteries, paint products, and household cleaners**. For inquiries, contact the **Household Hazardous Waste Program at 909-382-5401 or 1-800-OILY-CAT**.
- **March 11, 2025 – Well No. 11 Treatment Plant Project Ribbon Cutting**
The event will take place adjacent to the Needles Golf Course Maintenance Yard **at 10 AM**. This **\$8.9 million project** is a major step in strengthening Needles' water infrastructure, ensuring a long-term, reliable supply of high-quality drinking water.
- **March 15, 2025 – Chamber Lucky Greens Tournament**
Registration is open for the tournament. Reserve your spot today! Contact the Chamber for sponsorship opportunities 760-326-2050 or click on this [link](#).
- **March 19, 2025 – 3rd Annual Job and Resource Fair**
Hosted by **San Bernardino County Supervisor Dawn Rowe**, this event at the **El Garces Historic Train Depot (950 Front Street, Needles, CA)** from **10:00 a.m. to 2:00 p.m.** will provide **networking opportunities** for residents, city staff, and public officials to connect with agencies and organizations offering **job placement and essential services**.
- **April 10-12, 2025 – Art in the Park Save the date!** The **second annual Art in the Park** will showcase **art pieces from across the Tri-State region** in partnership with the **River Valley Artist Guild**. This event celebrates local creativity and community engagement. **More information to come.**
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- **May 14, 2025 – Run for the Wall (RFTW)**
This **annual tribute honoring Vietnam Veterans** will welcome over **300 motorcyclists** passing through Needles. The riders will **arrive at the historic El Garces at noon**, offering a meaningful opportunity to **honor their service**.
- **Community Calendar**
Local organizations are encouraged to coordinate with the City Clerk's Office to add or update events, keeping the calendar accurate and beneficial for the community. To submit an event or request changes, contact Candace Clark at **cclark@cityofneedles.com**.

1. CALTRANS SITE VISIT

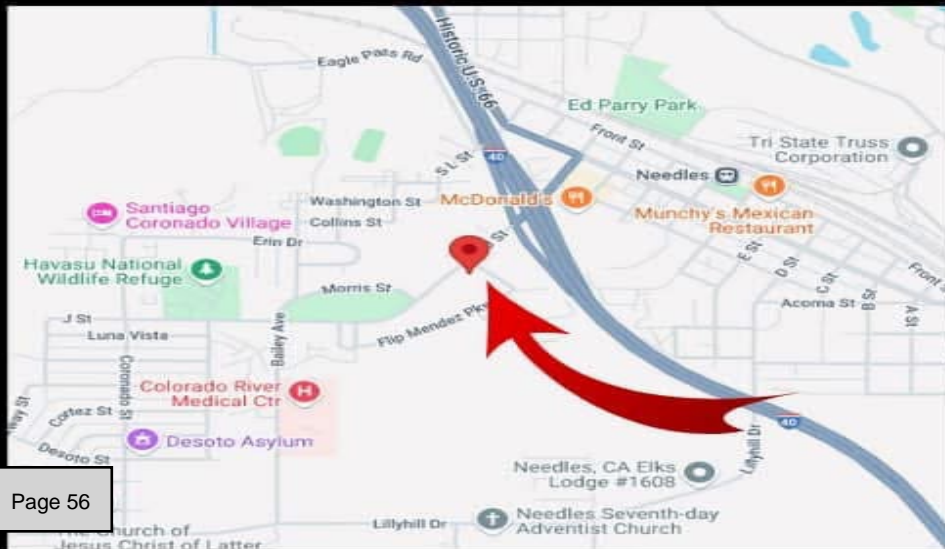


2. COMMUNITY CLEAN-UP

**COMMUNITY
CLEAN-UP DAY!**
NEEDLES!!
Let's Come
Together & Help
Clean Up
J STREET!

**Saturday, February 22, 2025
9:00 a.m.**

**Near Dollar General
J Street and Hospitality
SEE YOU THERE!**



2. COMMUNITY BEAUTIFICATION



City of Needles Capital Projects
Street Improvements & Water Service Replacement
PHASE 4B



I STREET (Third Street to Broadway Ave)
H STREET (Third Street to Broadway Ave)
G STREET (Third Street to Broadway Ave)
CRESTVIEW (Third Street to End)

PHASE 4B - PAVING IMPROVEMENTS Including Water Services

4. BILLET HEALTH DOUGHNUTS & COFFEE





DONUTS & COFFEE FOR VETERANS

To honor and thank our veterans for their service, we're offering free donuts and coffee to all veterans and guests! Stop by and say hi!

FEBRUARY 21ST

9am

MARCH 21ST

9am

APRIL 18TH

9am

MAY 29TH

9am

at Sage Motel

1624 W Broadway St, Needles, CA 92363

5. COFFEE WITH A COP



Full Notification



SBSD - Colorado River Sheriffs Department

Tuesday February 18th, 2025 :: 07:27 a.m. PST

Advisory

Two Juveniles Flee from Deputies After Brandishing a Firearm on Flip Mendez Parkway

DATE/TIME: Monday, February 17, 2025, at approximately 6:44 p.m.

INCIDENT: PC 417a (2) (A) - Brandishing a Firearm in Public and PC 148(A)(1)- Resist, Delay, or Obstructing an Officer

LOCATION: 1500 block of Flip Mendez Pkwy, Needles, CA

SUSPECT(S): Confidential Male Juvenile, 16 Years Old, Resident of Needles, CA
Confidential Male Juvenile, 15 Years Old, Resident of Mohave Valley, CA

VICTIM(S): Confidential

SUMMARY: On Monday, February 17, 2025, at approximately 6:44 p.m., deputies assigned to the Colorado River Station/Needles Police Department responded to the 1500 block of Flip Mendez Pkwy, reference a juvenile brandishing a gun at people. When deputies arrived on scene they attempted to contact two juveniles who matched the description given in the call. The juveniles refused to follow the commands given and fled from deputies on foot. After a lengthy foot pursuit, both juveniles were detained. A search of the area of the foot pursuit resulted in the recovery of a semi-automatic handgun.

The 16-year-old juvenile was found to be on probation and was consequently arrested on the above mentioned charges and was transported and booked at the High Desert Juvenile Detention and Assessment Center. He remains in custody with no bail, awaiting a court hearing. The second juvenile was released to a guardian with a report prepared and forwarded to the Juvenile District Attorney for review.

Anyone with information regarding this incident is urged to contact Deputy B. Moore of the Colorado River Station/Needles Police Department at (760) 326-9200. Callers wishing to remain anonymous may contact the We-Tip Hotline at 1-800-78CRIME (27463) or can leave information on the We-Tip website at www.wetip.com.

For press releases, news, and information, follow the Colorado River Station/Needles Police Department on Facebook and Instagram @SBCSDDColoradoRiverStation or X at: @CORiverStation.

Refer: Deputy B. Moore

Station: Colorado River Station / Needles Police Department

Phone No. (760) 326-9200

Case No. 212500135

SHANNON D. DICUS, Sheriff-Coroner
San Bernardino County Sheriff-Coroner Department

6. PACIFIC CLINICS



7. RODEO



47TH COLORADO RIVER ROUND UP APRIL 4 & 5, 2025 NEEDLES RODEO GROUNDS SCHEDULE OF EVENTS

FRIDAY, APRIL 4

4 PM: GATES AND VENDORS OPEN

6 PM: GCPRA RODEO PERFORMANCE

**8 PM: RODEO DANCE FEATURING "LITTLETOWN"
RODEO QUEENS SIGNING AUTOGRAPHS**

SATURDAY, APRIL 5

9 AM: GATES OPEN

RODEO SLACK

CORNHOLE TOURNEY REGISTRATION

**10 AM: CORNHOLE TOURNEY PRESENTED BY THE
HUNTER FAMILY**

**1 PM: JUNIOR BARREL RACE PRESENTED BY
CAMPBELL REDI-MIX**

1-3 PM: MUTTON BUSTIN' REGISTRATION

3 PM: MUTTON BUSTIN'

6 PM: GCPRA RODEO PERFORMANCE

**8 PM: RODEO DANCE FEATURING "LITTLETOWN"
RODEO QUEENS SIGNING AUTOGRAPHS**

**Presented by Needles Rodeo Association
(No outside alcohol permitted)**



PRESENTS THE

47TH COLORADO RIVER ROUND UP

APRIL 4 & 5, 2025

NEEDLES RODEO GROUNDS 1001 SAN CLEMENTE STREET

* RODEO DANCE *

"Littletown"

Presented by the Fort Mojave Indian Tribe



* SPECIAL EVENTS *

Junior Barrel Race presented by Campbell Redi-Mix

Call Mike Shott at 760-218-4891 to register.

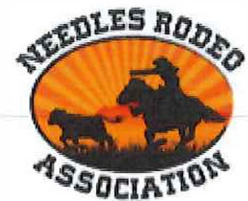
8th Annual Cornhole Tourney

Call Wade Evans at 760-220-1039

Local Contestants -

Call Mike Shott at 760-218-4891 from March 1-26

Mutton Bustin' - call Judy Thornton at 760-333-5255



* THE RODEO STORE *

March 31-April 3

920 W. Broadway in Needles

10am-4pm

* TICKETS *

Ages 5 and under - free

Ages 6-17 - \$5

Ages 18 and over - \$10

PRESALE TICKETS

2-Day Adults - \$15

2-Day Kids - \$5

Rodeo Store only

Coordinated by Needles Rodeo Association

Facebook at Needles Rodeo/CRRU

needlesrodeo@outlook.com www.needlesrodeo.com

For more info, call Judy Thornton @ 760-333-5255

(NO OUTSIDE ALCOHOL PERMITTED)

VIP AREA
Presented by



8. STATE CHAMPIONSHIP

2025 NIAA Girls Basketball Playoffs

2025 2A State Girls Basketball

Location Las Vegas, NV

Feb 21
SEMIFINALS

G1 2/21 @ 3:30p
1S Needles
2N North Tahoe
at Faith Lutheran

G2 2/21 @ 6:50p
1N Pershing County
2S Lincoln County
[Watch Live Stream](#)

Feb 22
CHAMPIONSHIP

CHAMPIONSHIP
G3 2/22 @ 2p
Winner G1
Winner G2

2025 NIAA Boys Basketball Playoffs

2025 2A State Boys Basketball

Location Various Cities, NV

Feb 21
SEMIFINALS

G1 2/21 @ 5:10p
1S Needles
2N West Wendover
[Watch Live Stream](#)

G2 2/21 @ 8:30p
1N Incline
2S Lincoln County
[Watch Live Stream](#)

Feb 22
CHAMPIONSHIP

CHAMPIONSHIP
G3 2/22 @ 3:45p
Winner G1
Winner G2
at Cox Pavilion

10. SPORTS TOURISM

2025 COLORADO RIVER BASEBALL INVITATIONAL

* All games are to be 7 innings or DROP DEAD at 2 hours. All teams assist with foul balls

*All game times are CA/NV time

Feb 27th -March 1

Field 1-NEEDLES			Field 2-RVHS Varsity			Field 3-RVHS JV Field			Field 4-MHS Varsity		
Thursday	AWAY	HOME		AWAY	HOME		AWAY	HOME		AWAY	HOME
8:00	Fallon	Palo Verde									
10:30	Central	Lowry	10:30	Wendover	Spring Creek	10:30	Palo Verde	Fernley	10:30	Williams	Mohave
1:00	Central	Needles	1:00	Spring Creek	Southwest	1:00	Camp Verde	Pahrump	1:00	KAOL	Williams
3:30	Needles	Camp Verde	3:30	Lowry	RV	3:30	Fernley	Holtville	3:30	Mohave	Wendover
			6:00	RV	Holtville	6:00	Pahrump	KAOL	6:00	Southwest	Fallon

Field 1-NEEDLES			Field 2-RVHS			Field 3-RVHS JV Field			Field 4-MHS		
Friday	AWAY	HOME		AWAY	HOME		AWAY	HOME		AWAY	HOME
8:00	Southwest	Lowry									
10:30	Lowry	Palo Verde	10:30	KAOL	Wendover	10:30			10:30	Spring Creek	Holtville
1:00	Fallon	Needles	1:00	Wendover	Southwest	1:00	Camp Verde	Williams	1:00	Pahrump	Mohave
3:30	Fernley	Needles	3:30	Williams	RV	3:30	Palo Verde	Spring Creek	3:30	Mohave	KAOL
			6:00	RV	Pahrump	6:15	Fernley	Central	6:00	Holtville	Fallon

Field 1-NEEDLES			Field 2-RVHS			Field 3-RVHS JV Field			Field 4-MHS		
Saturday	AWAY	HOME		AWAY	HOME		AWAY	HOME		AWAY	HOME
8:00	Holtville	Lowry	8:00	Southwest	Fernley	8:00	Fallon	Central	8:00	Camp Verde	Mohave
10:45	Southwest	Needles	10:30	KAOL	RV	10:30	Central	Spring Creek	10:30	Williams	Pahrump

10. SPORTS TOURISM

Colorado River Invitational Softball Tournament 2025

POOL A		POOL B		POOL C		POOL D	
Fernley		Elko		Boulder City		Camp Verde	
Pahrump		Doral Red Rock		Lowry		Faith Lutheran	
Palo Verde Blythe		Needles		SECTA		Legacy	
Williams		Yuma Catholic		Tolleson		Spring Creek	
Pool Play Nikki Bunch		Pool Play Franz Flower		Pool Play Nikki Bunch		Friday Time	
Fernley Pahrump		Palo Verde Blythe Williams		Palo Verde Blythe Fernley		8:00 AM	
Needles Yuma Catholic		Elko Doral Red Rock		Needles Elko		9:20 AM	
Williams Fernley		Pahrump Palo Verde Blythe		Lowry Tolleson		10:40 AM	
Doral Red Rock Needles		Yuma Catholic Elko		Legacy Camp Verde		12:00 PM	
SECTA Tolleson		Boulder City Lowry		Bracket Play Nikki Bunch		Friday Time	
Camp Verde Faith Lutheran		Legacy Spring Creek		B#1 G#4		1:30 PM	
Tolleson Boulder City		Lowry SECTA		B#2 G#3		3:00 PM	
Spring Creek Camp Verde		Spring Creek Faith Lutheran		R#1 Y#4		4:30 PM	
				R#2 Y#3		6:00 PM	
						5 Innings Franz Flower	
						Williams Pahrump	
						Yuma Catholic Doral Red Rock	
						Boulder City SECTA	
						Spring Creek Faith Lutheran	
						6 Innings Franz Flower	
						G#1 B#4	
						G#2 B#3	
						Y#1 R#4	
						Y#2 R#3	

10. SPORTS TOURISM

Colorado River International Softball Tournament 2025

Bracket Play 6 Innings

Championship 7 Innings

POOL A		POOL B		POOL C		POOL D	
Fernley		Elus		Bozader City		Camp Verde	
Pahrump		Coral Red Rock		Lowry		Faith Lutheran	
Palo Verde Bayliss		Needles		SECTA		Legacy	
Williams		Yuma Catholic		Tehachan		Spring Creek	

Top Team Denotes Home Team - Home Team is in 3rd Base Outpost

ALL TIMES Are California Time

Home Teams will keep official book.

Run Rules & Time will be in effect for Pool Play & Bracket Play.

Bracket Play Run Rule - 10 after 4 - 5 after 5

Bracket Play Time Limit 80 Min.

Even Seeds will flip a coin to determine home team.

Unmanufactured Tie Breaker will be used for games that end in a tie. **NO TIES.**

If a CA team wins all of games, they automatic will move on no matter the outcome of the game.

Games 13 - 14 - 15 & 16 are drop dead games. This is being done to help keep tournament running.