COUNTY OF MENDOCINO
DEPARTMENT OF PLANNING AND BUILDING SERVICES
860 NORTH BUSH STREET · UKIAH · CALIFORNIA · 95482
752 SOUTH FRANKLIN STREET · FT. BRAGG · CALIFORNIA · 95437

JULIA KROG, DIRECTOR
TELEPHONE: 707-234-6650
FAX: 707-463-5709
FB PHONE: 707-964-5379
FB FAX: 707-961-2427
pbs@mendocinocounty.gov
www.mendocinocounty.org/pbs

November 20, 2025

Planning –Ukiah
Department of Transportation
Environmental Health - Fort Bragg
Building Inspection - Fort Bragg
Assessor
Emergency Services

Air Quality Management
Mendocino County Farm Bureau
Mendocino Cannabis Department
Department of Forestry/ CalFire
-Land Use
-Resource Management
-Prevention

Cloverdale Rancheria
Cahto Tribe
Redwood Valley Rancheria
Sherwood Valley Band of Pomo Indians
Round Valley Tribe

CASE#: AP_2025-0031
DATE FILED: 11/18/2025
OWNER: State Of California AND US Cellular
APPLICANT: Verizon Wireless, Complete Wireless Consultants, Matt Moore
AGENT: Matt Moore
REQUEST: Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes installing three (3) temporary antennas, a temporary 30kw diesel generator on a trailer and a temporary battery trail (BP_2025-0581), followed by removal of temporary equipment and installation of permanent equipment including antenna, remote radio units, surge protectors, cabling, two (2) equipment cabinets, and a 30kw diesel generator with 147 gallon fuel tank (BP_2025-0605).
ENVIRONMENTAL DETERMINATION: Categorically Exempt, California Code of Regulations, Title 14, Chapter 3, Section 15301 Class 1(b) - Existing Facility.Categorically Exempt
LOCATION: 5.6± miles west of the Comptche town center, lying on the south side of Comptche-Ukiah Road (CR 223), 0.5± mile east of its intersection with Little River Airport Road (CR 404), located at 38351 Comptche-Ukiah Road, Comptche; APN: 125-010-26.
SUPERVISORIAL DISTRICT:
STAFF PLANNER: Jessie Waldman
RESPONSE DUE DATE: December 04, 2025

PROJECT INFORMATION CAN BE FOUND AT:
www.mendocinocounty.org
Select "Government" from the drop-down; then locate Planning and Building Services/Public Agency Referrals.

Mendocino County Planning & Building Services is soliciting your input, which will be used in staff analysis and forwarded to the appropriate public hearing. You are invited to comment on any aspect of the proposed project(s). Please convey any requirements or conditions your agency requires for project compliance to the project coordinator at the above address, or submit your comments by email to pbs@mendocinocounty.org. Please note the case number and name of the project coordinator with all correspondence to this department.

We have reviewed the above application and recommend the following (please check one):

☐ No comment at this time.

☐ Recommend conditional approval (attached).

☐ Applicant to submit additional information (attach items needed, or contact the applicant directly, copying Planning and Building Services in any correspondence you may have with the applicant)

☐ Recommend denial (Attach reasons for recommending denial).

☐ Recommend preparation of an Environmental Impact Report (attach reasons why an EIR should be required).

☐ Other comments (attach as necessary).

REVIEWED BY:

Signature _____ Department _____ Date _____

CASE: AP_2025-0031

OWNER: State Of California & US Cellular

APPLICANT: Verizon Wireless, Complete Wireless Consultants, Matt Moore

AGENT: Matt Moore

REQUEST: Administrative Permit to authorize an eligible facilities request for modifications to an existing wireless communication facility that includes installing three (3) temporary antennas, a temporary 30kw diesel generator on a trailer and a temporary battery trail (BP_2025-0581), followed by removal of temporary equipment and installation of permanent equipment including antenna, remote radio units, surge protectors, cabling, two (2) equipment cabinets, and a 30kw diesel generator with 147 gallon fuel tank (BP_2025-0605).

LOCATION: 5.6± miles west of the Comptche town center, lying on the south side of Comptche-Ukiah Road (CR 223), 0.5± mile east of its intersection with Little River Airport Road (CR 404), located at 38351 Comptche-Ukiah Road, Comptche; APN: 125-010-26.

APN/S: 125-010-26

PARCEL SIZE: 10,000± Square Foot leased area 197.38± Acre Parcel

GENERAL PLAN: Forestland 160 Acres Minimum (FL160)

ZONING: Timberland 160 Acres Minimum (TPZ:160)

EXISTING USES: Telecommunications

DISTRICT: 5th (Williams)

RELATED CASES: The following applications have occurred on the subject parcel and are relevant to the proposed project.

- **U 34-97 & V 15-97**: Use Permit and Variance to increase the height of an existing 150-foot-tall steel lattice cellular communication tower to 200 which was eventually withdrawn. **(Withdrawn)**
- **U 6-2004:** Use Permit for the expansion of a legal non-conforming use and add nine 8 feet by 1 foot panel antennas in three sectors to an existing 150-foot-tall steel lattice cellular communication tower. **(Approved, March 25, 2004)**
- **AP_2017-0019:** Administrative Permit to serve as a replacement for Use Permit U 6-2004 and approve modifications to an existing tower including decommissioning and removal of antennas and installation of new antennas, radio heads, surge protectors and additional ancillary equipment. **(Approved, July 25, 2017)**
- **AP_2016-0027:** Administrative Permit to modify an existing tower to include: (6) 7/8" coaxial cable. Install the following: (3) antennae KMW-AM-X-CW-18-65-OOT-RET, (1) Hybrid cable, (1) power cable, antenna mounts increase to 4 antennas, (6) FRLB remote radio heads, (2) Raycap surge protectors, (12) Kaelus combiners, 2 stackable FXCB remote radio heads. **(Approved, August 25, 2017)**
- **AP_2019-0058:** Administrative Permit to remove six (6) existing LTE Antennas, install three (3) LTE Antennas, and three (3) RRHs on existing antenna mount at the 150-foot height on the existing self-support steel lattice tower. An additional Sector Mount was requested to be installed at the top of the tower. **(Approved, September 17, 2019)**
- **AP_2019-0093:** Administrative Permit to remove and replace existing antennas, antenna mount and equipment cabinet; add six (6) Long Term Evolution (LTE) antennas, six (6) RRH units and associated fiber, power and one-half (1/2) inch jumpers. Additional ancillary equipment may also be required. **(Approved, March 10, 2020)**
- **BP_2025-0581:** Temporary modifications to an existing wireless communication facility. **(Pending Approval of AP_2025-0031)**
- **BP_2025-0605:** Permanent modifications to an existing wireless communication facility. **(Pending Approval of AP_2025-0031)**

REFERRAL AGENCIES

LOCAL
- ☒ Air Quality Management District
- ☒ Assessor's Office
- ☒ Building Division (Fort Bragg)
- ☒ Department of Transportation (DOT)
- ☒ Environmental Health (EH)(FB)
- ☒ Emergency Services
- ☒ Planning Division (Ukiah)
- ☒ Mendocino County Farm Bureau
- ☒ Mendocino Cannabis Department

STATE
- ☒ CALFIRE (Land Use)
- ☒ CALFIRE (Resource Management)
- ☒ CALFIRE (Prevention)

TRIBAL
- ☒ Cloverdale Rancheria
- ☒ Cahto tribe
- ☒ Redwood Valley Rancheria
- ☒ Sherwood Valley Band of Pomo Indians
- ☒ Round Valley Tribe

ADDITIONAL INFORMATION: According to the letter submitted by the application agent "no trenching, excavating, or permanent installations of any kind" are proposed at the initial phase during the installation of temporary antenna and equipment.

STAFF PLANNER: JESSIE WALDMAN **DATE:** 11/20/2025

ENVIRONMENTAL DATA

1. MAC:
GIS
NO

2. FIRE HAZARD SEVERITY ZONE:
CALFIRE FRAP maps/GIS
Moderate Fire Hazard

3. FIRE RESPONSIBILITY AREA:
CALFIRE FRAP maps/GIS
CAL FIRE
Mendocino Fire Protection District

4. FARMLAND CLASSIFICATION:
GIS
Nonagricultural and Natural Vegetation (NV)

5. FLOOD ZONE CLASSIFICATION:
FEMA Flood Insurance Rate Maps (FIRM)
NO

6. COASTAL GROUNDWATER RESOURCE AREA:
Coastal Groundwater Study/GIS
Critical Water Resources Bedrock

7. SOIL CLASSIFICATION:
Mendocino County Soils Study Eastern/Western Part
221—Vandamme loam, 9 to 30 percent

8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL:
LCP maps, Pygmy Soils Maps; GIS
NO

9. WILLIAMSON ACT CONTRACT:
GIS/Mendocino County Assessor's Office
NO

10. TIMBER PRODUCTION ZONE:
GIS
YES

11. WETLANDS CLASSIFICATION:
GIS
N/A

12. EARTHQUAKE FAULT ZONE:
Earthquake Fault Zone Maps; GIS
NO

13. AIRPORT LAND USE PLANNING AREA:
Airport Land Use Plan; GIS
NO

14. SUPERFUND/BROWNFIELD/HAZMAT SITE:
GIS; General Plan 3-11
NO

15. NATURAL DIVERSITY DATABASE:
CA Dept. of Fish & Wildlife Rarefind Database/GIS
YES

16. STATE FOREST/PARK/RECREATION AREA ADJACENT:
GIS; General Plan 3-10
NO

17. LANDSLIDE HAZARD:
Hazards and Landslides Map; GIS; Policy RM-61; General Plan 4-44
NO

18. WATER EFFICIENT LANDSCAPE REQUIRED:
Policy RM-7; General Plan 4-34
NO

19. WILD AND SCENIC RIVER:
www.rivers.gov (Eel Only); GIS
NO

20. SPECIFIC PLAN/SPECIAL PLAN AREA:
Various Adopted Specific Plan Areas; GIS
NO

21. STATE CLEARINGHOUSE REQUIRED:
Policy
NO

22. OAK WOODLAND AREA:
USDA
NO

23. HARBOR DISTRICT:
Sec. 20.512
NO

PLANNING & BUILDING SERVICES

CASE NO:	AP_2025-0031
DATE FILED:	11/18/2025
FEE:	$3,812.00
RECEIPT NO:	PRJ_069158
RECEIVED BY:	M. Goines

Office Use Only

APPLICATION FORM

APPLICANT:

Name: Verizon Wireless C/O Complete Wireless Consul Phone: (916) 247-3047

Mailing Address: 2009 V Street ATTN: Matt Moore

City: Sacramento State/Zip: CA 95834 Email: MMoore@completewireless.net

PROPERTY OWNER:

Name: US Cellular Phone:

Mailing Address: 8410 West Bryn Mawr Avenue

City: Chicago State/Zip: IL 60631 Email: paul.mason@uscellular.com

AGENT:

Name: Matt Moore Phone: 916-247-3047

Mailing Address: 2009 V Street

City: Sacramento State/Zip: CA/95818 Email: Mmoore@completewireless.net

ASSESSOR'S PARCEL NUMBER/S: 026-430-27-00

PROPERTY ADDRESS: 38351 Comptche Ukiah Road

TYPE OF APPLICATION:

- ☒ Administrative Permit
- ☐ Agricultural Preserve: New Contract
- ☐ Agricultural Preserve: Cancellation
- ☐ Agricultural Preserve: Rescind & ReEnter
- ☐ Airport Land Use
- ☐ Development Review
- ☐ Exception
- ☐ Flood Hazard Development Permit
- ☐ General Plan Amendment
- ☐ Land Division – Minor
- ☐ Land Division – Major
- ☐ Land Division – Parcel
- ☐ Land Division – Re-Subdivision
- ☐ Modification of Conditions
- ☐ Reversion to Acreage
- ☐ Rezoning
- ☐ Use Permit – Cottage
- ☐ Use Permit – Minor
- ☐ Use Permit – Major
- ☐ Use Permit – Modification
- ☐ Variance
- ☐ Other

I certify that the information submitted with this application is true and accurate.

Signature of Applicant/Agent	Date	Signature of Owner	Date
	9/29/2025	Please see attached LOA	9/29/2025

Form Ver. 071421

SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

The purpose of this questionnaire is to relate information concerning your application to the Department of Planning and Building Services and other agencies who will be reviewing your project proposal. Please remember that the clearer picture that you give us of your project and the site, the easier it will be to promptly process your application. Please answer all questions. Those questions which do not pertain to your project please indicate "Not applicable" or "N/A".

THE PROJECT

1. Describe your project. Include secondary improvements such as wells, septic systems, grading, vegetation removal, roads, etc. If the proposal is for cancellation of a Williamson Act contract, please specify a proposed alternative use for the land.

This is a proposal to install three (3) temporary antennas and the necessary ground on an existing 150' tall wireless facility that is located at the above-referenced address. The antennas will be placed at a centerline of 136' meaning that the overall height of the tower will not be increased, and the necessary ground equipment, consisting of a tempoary 30kw diesel generator on a trailer and a temporary battery trail, will be placed within the existing wireless compound. Please note that this is a temporary proposal intended to keep the Verizon Wireless network on-air while a permanent installation at this location is being applied for. Please note that no trenching, excavating, or permanent installations of any kind are being proposed at this time. Please see the attached EFR Cover Letter for additional details.

2. Structures/Lot Coverage	**NO. OF UNITS**		**SQUARE FOOTAGE**		
	EXISTING	**PROPOSED**	**EXISTING**	**PROPOSED**	**TOTAL**
☐ Single Family ☐ Mobile Home ☐ Duplex ☐ Multifamily ☒ Other: ☐ Other:					1,353 lease area, no change
GRAND TOTAL (Equal to gross area of Parcel):					

3. Is the project commercial, industrial, or institutional? If yes, complete item 3. If no, skip to item 4.

Estimated No. of Employees per shift: _____

Estimated No. of shifts per day: _____

Type of loading facilities proposed: _____

4. Will the project be phased? (Work being done over separate periods of time)

☒ **NO** ☐ **YES** If yes, explain your plans for phasing:

5. Will vegetation be removed on areas other than the building sites and roads?

☒ **NO** ☐ **YES** If yes, explain:

6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives?

☐ **NO** ☒ **YES** If yes, explain:

A temporary diesel fuel tank with a 500 gallon capacity is also being proposed.

7. How much off-street parking will be provided?

	Number	Size
No. of covered spaces:		
No. of uncovered spaces:		
No. of standard spaces:		
No. of accessible spaces:		
Existing no. of spaces:		
Proposed additional spaces:		
Total:		

8. Is any road construction or grading planned? If yes, grading and drainage plans may be required.

☒ **NO** ☐ **YES** Also, please describe the terrain to be traversed. (e.g., steep, moderate slope, flat, etc.)

9. For grading or road construction, complete the following:

Amount of cut: _____ cubic yards

Amount of fill: _____ cubic yards

Max. height of fill slope: _____ feet

Max. height of cut slope: _____ feet

Amount of import/export: _____ cubic yards

Location of borrow or disposal site: _____

10. Does the project involve sand removal, mining or gravel extraction? If yes, detailed extraction, reclamation and monitoring plans may be required.

■ **NO** ☐ **YES**

11. Will the proposed development convert land currently or previously used for agriculture to another use?

■ **NO** ☐ **YES**

12. Will the development provide public or private recreation opportunities?

■ **NO** ☐ **YES** If yes, explain how:

_____

_____

_____

_____

13. Is the proposed development visible from State Route 1 or other scenic route?

■ **NO** ☐ **YES**

14. Is the proposed development visible from a park, beach or other recreational area?

■ **NO** ☐ **YES**

15. Does the development involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes?

Diking: ■ NO ☐ YES
Filling: ☐ NO ☐ YES
Dredging: ☐ NO ☐ YES
Structures: ☐ Open Coastal Waters ☐ Wetlands ☐ Estuaries ☐ Lakes

If so, what is the amount of material to be dredged/filled?: _____ cubic yards

Location of dredged material disposal site?: _____

Has a U.S. Army Corps of Engineers permit been applied for? ☐ NO ☐ YES

16. Will there be any exterior lighting?

■ **NO** ☐ **YES** If yes, describe below and identify the location of all exterior lighting on the plot and building plans.

_____

_____

_____

_____

17. Utilities will be supplied to the site as follows:

Electricity: ☐ Utility Company (service exists to parcel)
☐ Utility Company (requires extension of service to site): _____ feet _____ miles
■ On Site Generation – Specify:

Gas: ☐ Utility Company/Tank
☐ On Site Generation – Specify:
■ None

Telephone: ☐ NO ☐ YES

18. What will be the method of sewage disposal?

☐ Community Sewage System (specify supplier):_____

☐ Septic Tank

☐ Other (specify):_____

19. What will be the domestic water source:

☐ Community Water System (specify supplier): _____

☐ Well

☐ Spring

☐ Other (specify): _____

20. Are there any associated projects and/or adjacent properties under your ownership?

☒ **NO** ☐ **YES** If yes, list below (Assessor's Parcel Number, address, etc.)

21. List and describe any other related permits and other public approval required for this project, including those required by other County departments, city, regional, State and Federal agencies:

Building Permit approval will also be required.

22. Describe the location of the site in terms of readily identifiable landmarks: (e.g., mailboxes, mile posts, street intersections, etc.)

23. Are there existing structures on the property? If yes and the proposal is for a subdivision, describe below and identify the use of each structure on the plot plan or tentative map.

☐ **NO** ☒ **YES**

24. Will any existing structure be demolished or removed? If yes, describe the type of development to be demolished or removed, including the relocation site, if applicable.

☒ **NO** ☐ **YES**

25. What is the maximum height of all structures?

Existing: 150' feet
Proposed: 150' feet

26. What is the gross floor areas of all structures, including covered parking and accessory buildings?

Existing: _____ square feet
Proposed: _____ square feet

27. What is the total lot area within property lines?

Total Lot Area: TBD ■ acres ☐ square feet

28. Briefly describe the project site as it exists before the project, including information on existing structures and their uses, slopes, soil stability, plants and animals, and any cultural, historical or scenic aspects. Attach any photographs of the site that you feel would be helpful:

On-site conditions will not be impacted by this proposal.

29. Briefly describe the surrounding properties, including information on plants, animals and any cultural, historic or scenic aspects. Indicate the type of land use (use chart below) and its general intensity. Attach any photographs of the vicinity that you feel would be helpful.

Surrounding properties are all heavily forested an fall within the Timber Production Zone.

30. Indicate the surrounding land uses:

	Vacant	Residential	Agriculture	Commercial	Industrial	Public Facility	Timberland	Other
North:	☐	☐	☐	☐	☐	☐	☐	☑
East:	☐	☐	☐	☐	☐	☐	☐	☑
South:	☐	☐	☐	☐	☐	☐	☐	☑
West:	☐	☐	☐	☐	☐	☐	☐	☑

Verizon Wireless 60-Day Eligible Facility Request
Modification of Existing Wireless
Tower not in the Right-of-Way

Request Date: October 23, 2025

Jurisdiction: Mendocino County

Departments: Planning and Building Department

Site Address: 38351 Comptche Ukiah Road, Comptche, CA 95460

Verizon Wireless Contact: Matt Moore, Complete Wireless Consulting, Inc., mmoore@completewireless.net, (916) 247-3047

This document serves as Verizon Wireless's eligible facilities request to modify an existing wireless tower at the above-referenced site address. This eligible facilities request must be approved administratively under Section 6409 of the federal Spectrum Act and Federal Communications Commission ("FCC") rules. Review by the County is limited to determining whether the proposed modification qualifies as an eligible facilities request that does not substantially change the physical dimensions of the wireless tower. All permits necessary to commence construction must be approved within 60 days of the request date set forth above, subject to tolling for incompleteness.

For this request, Verizon Wireless attaches the following applications for all the permits required by the County to commence construction of the modification:

1. Planning Administrative Use Permit
2. Building permit

Verizon Wireless hereby requests that the County immediately provide a quote of application fees and payment options, which Verizon Wireless will pay promptly. Any delay by the County in quoting application fees or providing payment options will not toll today's commencement of the 60-day period.

Project Description

Please note that this is a proposal to install permanent ground and tower equipment on an existing facility that is located at the above-referenced address. The existing compound contains a 150' lattice tower with existing wireless antennas, an equipment shelter, one backup generator, and a propane tank.

In order to provide permanent service to this location, Verizon Wireless proposes install new antennas on the existing lattice tower at a centerlines of roughly 136' and 133' above ground level. Additionally, Verizon is proposing to install and two equipment cabinets and a 30kw standby diesel generator with a 147 gallon fuel tank, all to be placed within

the existing wireless compound. No additional changes are proposed for the modification and there will be no change to the overall height of the structure.

FCC Rules for Eligible Facilities Requests

The Spectrum Act states that "a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."[1] An "eligible facilities request" is defined to include any collocation, removal, or replacement of existing equipment.[2]

The FCC adopted rules providing legally binding guidance on key terms of the Spectrum Act, notably defining "substantial change" with the six thresholds described below.[3] The FCC requires that qualifying eligible facilities requests be approved within 60 days, subject to tolling for incompleteness.[4] The 60-day period begins when an applicant takes the first procedural step required by a local government, and submits written documentation.[5] The only submittal documents a local government can require are those relevant to determining if a proposed modification qualifies as an eligible facilities request.[6] If a local government does not render a decision within the 60-day period, an eligible facilities request can be deemed granted by operation of law.[7]

The Proposed Modification Does Not Constitute a "Substantial Change"

Below are the FCC's six "substantial change" thresholds for a wireless tower not in the right-of-way,[8] each followed by an explanation that the proposed modification does not exceed that threshold.

1) It increases the height of the tower by more than 10% or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater.

   Verizon does not propose to increase the height of the facility. Please see the A-3.1 sheet of the attached site plans for further details.

2) It involves adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater.

   Verizon's proposed antennas will be installed on mounts attached directly to the lattice tower and will not extend more than 20' from the structure. Please see the A-3.1 sheet of the attached site plans for further details.

3) It involves the installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four.

Verizon is proposing to add two equipment cabinets and an emergency backup generator with a fuel tank. This does not exceed four cabinets, even if the generator is counted as a cabinet, and therefore complies with this requirement. Please see the A-1.1 sheet of the attached site plans for further details.

4) It entails any excavation or deployment of transmission equipment outside of the current site by more than 30 feet in any direction. The site boundary from which 30 feet is measured excludes any access or utility easements currently related to the site. The "site" is as defined at 47 C.F.R. § 1.6100(b)(6).

Verizon's proposed new equipment is contained within the existing US Cellular fenced compound and therefore complies with this requirement. Please see the A-1.1 sheet of the attached site plans for further details.

5) Would defeat the concealment elements of the eligible support structure.

The existing facility consists of a 150' tall lattice tower, and Verizon is not seeking to change this design or increase the height of the tower.

6) Does not comply with conditions associated with the siting approval of the construction or modification of the existing facility, unless the non-compliance is due only to a change in height, width, etc., that does not exceed the first four thresholds.

This proposal complies with all pre-existing conditions of approval that are applicable to an Eligible Facilities request.

Verizon Wireless is providing a radio frequency exposure compliance report prepared by EBI Consulting that confirms that the temporary facility, as modified, will continue to comply with the FCC's radio frequency exposure limits.

In sum, the modification clearly qualifies as an "eligible facilities request" under the Spectrum Act and FCC rules, because it does not exceed any of the thresholds such that it would "substantially change" the physical dimensions of the existing wireless tower. Failure to process this eligible facilities request and approve all necessary permits within 60 days may result in the request being deemed granted by operation of law.

---

[1] 47 U.S.C. § 1455(a)(1).
[2] 47 U.S.C. § 1455(a)(2).
[3] *See* Report and Order FCC 14-153, 29 FCC Rcd. 12865 (FCC October 17, 2014); *see also* Report and Order FCC 20-153, 85 FR 78005 (FCC October 27, 2020).
[4] *See* 47 C.F.R. § 1.6100(c)(2), (3).
[5] Declaratory Ruling FCC 20-75, 35 FCC Rcd 5977, ¶ 16 (FCC June 9, 2020).

[6] *See* 47 C.F.R. § 1.6100(c)(1).
[7] *See* 47 C.F.R. § 1.6100(c)(4).
[8] *See* 47 C.F.R. § 1.6100(b)(7).

COMPTCHE

38351 COMPTCHE UKIAH ROAD, COMPTCHE, CA 95460
MDG LOCATION ID: 5000968096
PROJECT ID: 17393312

PROJECT DESCRIPTION

A (N) VERIZON WIRELESS COLOCATION TO (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:

- (N) LEASE AREA W/ (N) GROUND MOUNTED CABINET INSIDE (E) US CELLULAR COMPOUND & (N) UTILITIES TO (N) SITE LOCATION
- (N) ANTENNAS & ANTENNA EQUIPMENT ON (E) LATTICE TOWER

PROJECT INFORMATION

SITE NAME:	COMPTCHE	SITE ACQUISITION COMPANY:	COMPLETE WIRELESS CONSULTING 2009 V STREET SACRAMENTO, CA 95818
MDG LOCATION ID:	5000968096		
COUNTY:	MENDOCINO COUNTY	LEASING CONTACT:	ATTN: KIM LE (916) 747-2314 KLE@COMPLETEWIRELESS.NET
JURISDICTION:	MENDOCINO COUNTY		
APN:	125-010-26	ZONING CONTACT:	ATTN: MATTHEW MOORE (916)-247-3047 MMOORE@COMPLETEWIRELESS.NET
SITE ADDRESS:	38351 COMPTCHE UKIAH ROAD COMPTCHE, CA 95460		
CURRENT ZONING:	TPZ (TIMBER PRODUCTION ZONE)	CONSTRUCTION CONTACT:	ATTN: SEAN WALLIN (916) 591-8574 SWALLIN@COMPLETEWIRELESS.NET
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U (UNMANNED COMMUNICATIONS FACILITY)		
POWER:	PG&E		
LATITUDE:	N 39° 16' 27" NAD 83 N 39.274167° NAD 83		
LONGITUDE:	W 123° 41' 18" NAD 83 W 123.688333° NAD 83		
PROPERTY OWNER:	STATE OF CALIFORNIA 1 CAPITOL MALL STE 500 SACRAMENTO, CA 95814		
APPLICANT:	VERIZON WIRELESS 2770 SHADELANDS DR, BLDG 11 WALNUT CREEK, CA 94598		
TOWER OWNER:	US CELLULAR 8410 WEST BRYN MAWR AVE CHICAGO, IL 60631		

RISK CATEGORY: II	ROOF LIVE LOAD: N/A	FLOOR LIVE LOAD: N/A	ALLOW SOIL BEARING: N/A
WIND EXPOSURE: B	DESIGN WIND SPEED: 92 MPH	GROUND ELEVATION: 946'	TOPOGRAPHIC CATEGORY: I
SEISMIC SITE CLASS: D	SEISMIC DESIGN CATEGORY: D	SEISMIC COMPONENT I_P: 1.0	a_p: 1.0 R_P: 2.5
S_{DS}: 1.2	S_{D1}: N/A	S_S: 1.5	S_1: 0.6

TESTS AND SPECIAL INSPECTIONS

STREAMLINE ENGINEERING & DESIGN, INC. DOES NOT REQUIRE ANY STRUCTURAL OBSERVATION OR SPECIAL INSPECTION OF ANY STRUCTURAL COMPONENT ABOVE & BEYOND WHAT IS LISTED BELOW UNLESS OTHERWISE REQUIRED BY JURISDICTION.

PROVIDE COMPLETE TESTING AND INSPECTIONS IN ACCORDANCE WITH THE CBC, CHAPTER 17 AS NOTED BELOW:

1. POST INSTALLED ANCHORS IN ACCORDANCE WITH CURRENT ICC REPORTS FOR THE SPECIFIED ANCHORAGES.

VICINITY MAP



CODE COMPLIANCE

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

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUMES 1&2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CITY OF SAN FRANCISCO FIRE CODE
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2021 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
ANSI/EIA-TIA-222-H
ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	-
T-1.2	GENERAL NOTES	-
T-1.3	SIGNAGE DETAILS	-
C-1	TOPOGRAPHIC SURVEY	-
A-1.1	OVERALL SITE PLAN	-
A-1.2	ENLARGED SITE PLAN	-
A-1.3	COMPOUND PLAN	-
A-1.4	EQUIPMENT PLAN	-
A-2.1	ANTENNA PLAN	-
A-3.1	ELEVATIONS	-
A-3.2	ELEVATIONS	-
A-4.1	DETAILS	-
A-4.2	DETAILS	-
A-5.1	BATTERY SPECIFICATIONS	-
A-5.2	GENERATOR SPECIFICATIONS	-
A-5.3	GENERATOR SPECIFICATIONS	-
A-5.4	GENERATOR SPECIFICATIONS	-
S-1.1	STRUCTURAL DETAILS	-
S-1.2	STRUCTURAL DETAILS	-
S-1.3	STRUCTURAL DETAILS	-
E-1.1	ELECTRICAL PLAN	-
E-1.2	GROUNDING PLANS & DETAILS	-

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon
2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF ANY PART OF THESE PLANS BY ANY PERSON, FIRM OR CORPORATION FOR ANY OTHER PROJECT IS PROHIBITED. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1.1

PROJECT GENERAL NOTES

1. THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.
3. THE SCOPE OF WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. CALL BEFORE YOU DIG. CONTRACTOR IS REQUIRED TO CALL 811 (NATIONWIDE "CALL BEFORE YOU DIG" HOTLINE) AT LEAST 72 HOURS BEFORE DIGGING.
8. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
9. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL ALSO COORDINATE ALL PORTIONS OF THE WORK UNDER THE CONTRACT; INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
11. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
12. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED, OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES.
14. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. THE CONTRACTOR SHALL PROVIDE A TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
16. SUFFICIENT MONUMENTATION WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES SHOWN HEREON AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.
17. THE CONTRACTOR TO VERIFY THE LATEST/CURRENT RF DESIGN.
18. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE SEPARATE PLANS, SPECIFICATIONS, FEES AND PERMITS FOR ANY REVISION TO ANY FIRE SPRINKLER AND/OR ALARM SYSTEM ON THE PREMISES AS MAY BE NEEDED TO COMPLETE THE WORK DEPICTED HEREIN, USING A LICENSED SUBCONTRACTOR FOR ALL SUCH WORK.

CONSTRUCTION NOTES

1. EXISTING BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OR ORDERING OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER OF RECORD FOR RESOLUTION PRIOR TO PROCEEDING. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
2. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT ALTER, DAMAGE OR REMOVE ANY PART OF THE EXISTING STRUCTURE UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS.
3. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITION, ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE 2022 CBC. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBC, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PREPARED AND SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO PROCEEDING WITH THE WORK.
4. ALL WORK AND MATERIALS SHOWN ARE NEW UNLESS INDICATED AS EXISTING (E).
5. IT MAY BE NECESSARY TO REMOVE ARCHITECTURAL FINISHES, PLUMBING PIPES AND FIXTURES, ELECTRICAL CONDUIT, FIXTURES, PANELS, BOXES, TELEPHONE OR FIRE ALARM WIRING AND FIXTURES OR OTHER NON-STRUCTURAL ITEMS TO INSTALL STRUCTURAL WORK AND MATERIALS SHOWN ON THESE DRAWINGS. SUCH ITEMS SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO MATCH PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTORS EXPENSE.
6. ALL WEATHER PROOFING. INCLUDING BUT NOT LIMITED TO TORCH DOWN, CAULKING, Z-FLASHING OR ANY OTHER MATERIAL THAT MAY BE ALTERED DURING INSTALLATION SHALL BE REPAIRED REPLACED AND/OR MODIFIED TO ENSURE THE BUILDING AT THE INSTALLATION SITE IS WEATHER PROOF.
7. ANY PROPOSED SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, ANCHOR TYPES, OR DETAILING INDICATED IN THESE DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ORDERING MATERIALS. SUCH REVIEW SHALL BE BILLED ON A TIME AND MATERIALS BASIS TO THE CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
8. CONTRACTOR SHALL ENSURE ALL ROOF AREAS HAVE POSITIVE SLOPE TO ALL EXISTING ROOF DRAINS. PROVIDE ADDITIONAL CRICKETS OR BUILD UP ROOFING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AROUND ALL NEW CONSTRUCTION INCLUDING ANY CURBS, SLEEPERS, SUPPORT BASES, ETC.

EXPANSION & EPOXY ANCHORS

1. EXPANSION AND EPOXY ANCHORS SHALL BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC).
2. ALL ANCHORS PROVIDED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC), AND SHALL BE EVALUATED FOR 2021 IBC MINIMUM REQUIREMENTS IN THE ICC REPORT
3. CONCRETE EXPANSION ANCHORS SHALL BE KWIK BOLT TZ2 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4266 OR APPROVED EQUIVALENT.
4. CMU EXPANSION ANCHORS SHALL BE KWIK BOLT TZ2 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4561 OR APPROVED EQUIVALENT. ANCHORS SHALL BE INSTALLED A MINIMUM OF 1⅜" FROM ANY VERTICAL MORTAR JOINT TYPICAL. ANCHORS TO BE SPACED 8 INCHES ON CENTER MINIMUM AND LIMITED TO ONE ANCHOR PER CELL.
5. CONCRETE ADHESIVE EPOXY ANCHORS SHALL BE HIT RE-500 V3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-3814 OR APPROVED EQUIVALENT.
6. GROUT FILLED CMU ADHESIVE EPOXY ANCHORS SHALL BE HIT-HY 200 V3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4878 OR APPROVED EQUIVALENT.
7. INSTALL EXPANSION AND EPOXY ANCHORS WITH SPECIAL INSPECTION IN ACCORDANCE WITH THE 2022 CBC, TABLE 1705.3, AND ALL REQUIREMENTS OF THE MANUFACTURER, THE MANUFACTURER'S ICC APPROVAL AND THESE DRAWINGS.
8. EXPANSION ANCHORS SHALL BE 304/316 STAINLESS STEEL U.O.N. EPOXY ANCHOR THREADED ROD SHALL BE ASTM F593 CW1 (316) (¼" TO ⅝") OR F593 CW2 (316) (¾" TO 1½") STAINLESS STEEL U.O.N.
9. LOCATE AND AVOID REINFORCEMENT AND OTHER EMBEDDED ITEMS WHEN INSTALLING ANCHORS, TYPICAL. SEE CONCRETE CORE DRILLING NOTES FOR ADDITIONAL INFORMATION.
10. THE SPECIAL INSPECTOR MUST MAKE PERIODIC INSPECTIONS DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE AND DIMENSIONS, CONCRETE MEMBER THICKNESS, ANCHOR SPACING, EDGE DISTANCES, TIGHTENING TORQUE, HOLE DIAMETER, DEPTH AND CLEANLINESS, ANCHOR EMBEDMENT AND ADHERENCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE NOTE 11 BELOW FOR FREQUENCY OF INSPECTIONS.
11. 50% OF ALL ANCHORS, INCLUDING ALTERNATE BOLTS IN A GROUP OF ANCHORS, SHALL BE INSPECTED PER NOTE 10 ABOVE AND TORQUE TESTED PER THE ICC REPORT TEST VALUES NOTED BELOW:

KB TZ2:

CONCRETE TORQUE TEST VALUES:
⅜"=30 FT LB ½"=40 FT LB ⅝"=60 FT LB ¾"=125 FT LB

CMU TORQUE TEST VALUES:
⅜"=15 FT LB ½"=25 FT LB ⅝"=35 FT LB ¾"=50 FT LB

EPOXY ANCHOR:

CONCRETE TORQUE TEST VALUES:
½"=30 FT LB
(CONCRETE TENSION TEST VALUES TO BE DETERMINED AS NEEDED. A RFI WILL BE ISSUED IF NEEDED DURING CONSTRUCTION TO ESTABLISH THE REQUIRED TENSION TEST VALUES)

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19. CONCRETE MIX DESIGN SHALL BE REVIEWED BY AN INDEPENDENT TESTING LABORATORY AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
2. CONTRACTOR SHALL VERIFY SITE CONDITIONS & ALL DIMENSIONS PRIOR TO STARTING WORK. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES FOR RESOLUTION PRIOR TO PROCEEDING.
3. ALL CONCRETE SHALL BE A MINIMUM 5 SACK MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
4. CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
5. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33.
6. ALL REINFORCING STEEL SHALL BE GRADE 60 AND CONFORM TO ASTM A615 UNLESS OTHERWISE NOTED. SEE PLAN FOR SIZE AND PLACEMENT.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.
8. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
9. MINIMUM LAP SPLICE SHALL BE 56 BAR DIAMETERS UNLESS OTHERWISE NOTED.
10. MINIMUM BEND DIAMETER SHALL BE 6 BAR DIAMETERS UNLESS OTHERWISE NOTED.
11. MINIMUM REINFORCING COVERAGE IS 3" UNLESS OTHERWISE NOTED.
12. CONCRETE SHALL BE PLACED AGAINST FIRM UNDISTURBED NON EXPANSIVE SOIL AT DEPTH SHOWN. WHERE OTHER CONDITIONS ARE ENCOUNTERED DURING EXCAVATION THE ENGINEER SHALL BE NOTIFIED AND REMEDIAL MEASURES PRESCRIBED PRIOR TO PROCEEDING WITH WORK.
13. BOTTOM OF ALL FOOTING TRENCHES SHALL BE CLEAN AND LEVEL. REMOVE ALL DEBRIS BEFORE PLACING ANY CONCRETE.
14. ALL ANCHOR BOLTS & THREADED ROD SHALL BE ASTM F1554, GR.36 MINIMUM UNLESS OTHERWISE NOTED, NEW, & WITHOUT SIGNIFICANT RUST.
15. A ¾" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNLESS OTHERWISE NOTED.
16. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
17. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MOTORIZED VIBRATORY MEANS AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS.

CONCRETE CORE/DRILLING NOTES

1. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED OR POST-TENSIONED REINFORCED CONCRETE (MILD REINFORCED), USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING ANCHORS INTO (E) PRE-STRESSED OR POST-TENSIONED CONCRETE LOCATE THE PRE-STRESSED OR POST-TENSIONED TENDONS BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, AT POINT OF PENETRATION, PRIOR TO INSTALLATION. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
2. WHEN CORING EXISTING REINFORCED CONCRETE OF ANY CONSTRUCTION TYPE (PRE-STRESSED, POST-TENSIONED OR MILD REINFORCED), LOCATE THE EXISTING REINFORCING BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, PRIOR TO CORING. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING ANY REINFORCING DURING CORING. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE CORE. THE MAXIMUM SIZE OF ANY CORE IS TO BE 6" DIAMETER AND THE MINIMUM SPACING BETWEEN CORES IS TO BE TWICE THE CORE DIAMETER (I.E. 12" SPACING FOR A 6" DIAMETER CORE).
3. INSPECTOR IS TO BE PRESENT DURING ALL CORE DRILLING OPERATIONS TO VERIFY THAT NO REINFORCING CABLES, TENDONS, OR REBAR HAVE BEEN CUT. (SEE NOTE 5 BELOW)
4. THE INSPECTOR SHALL SUBMIT A WRITTEN REPORT TO THE OWNER.
5. THE INSPECTIONS INDICATED IN NOTES 3 AND 4 ABOVE ARE NOT REQUIRED FOR A CONCRETE FILL OVER METAL DECK APPLICATION WHERE INDICATED ON THE CONSTRUCTION DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2016 AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2022 CBC.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) & WT (TEE) SHAPES TO BE ASTM A992 (F_Y=50,000 PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE C (F_Y=50,000 PSI FOR RECT HSS & F_Y=46,000 PSI FOR ROUND HSS PER AISC MANUAL TABLE 2-4) ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR S, GRADE B (F_Y=35,000 PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES UNLESS OTHERWISE NOTED AND SHALL CONFORM TO AISC & AWS D1.4. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
5. HIGH STRENGTH BOLTS SHALL BE GALVANIZED ASTM F3125/F3125M GRADE A325 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.
6. HIGH STRENGTH BOLT NUTS SHALL BE ASTM A563/A563M AND WASHERS SHALL BE ASTM F436/ F436M.
7. THREADED RODS SHALL BE ASTM F1554, GR 36 U.O.N. BOLTED CONNECTIONS SHALL BE BEARING TYPE.
8. ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HOT DIPPED GALVANIZED WASHERS.
9. ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED.
10. ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
11. AT ALL WEB STIFFENER PLATES LEAVE ¾"ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.
12. U-BOLTS AT ANTENNA & RRU MOUNT TO BE GALVANIZED SAE J429, GRADE 2 WITH J995 NUTS U.O.N.
13. ALL STRUT MEMBERS USED IN EXTERIOR APPLICATIONS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 OR ASTM A153.
14. ALL STAINLESS STEEL BOLTED CONNECTIONS SHALL BE ASTM F593-17 ALLOY GROUP 1 OR 2 AND STAINLESS STEEL NUTS SHALL BE ASTM F594-09 (2015).

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:
Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OR ENTITY OTHER THAN THE ENGINEER, WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
T-1.2

SIGNAGE AND STRIPING INFORMATION

1. THE FOLLOWING INFORMATION IS A GUIDELINE WITH RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATION SHOULD BE IN CONFLICT WITH ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.

2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS $1mWcm^2$ AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS $5mWcm^2$

3. IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR ROOF LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.

4. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR CANNOT BE LOCKED OR THERE IS AN EXISTING FIRE EGRESS), THEN BOTH BARRICADES AND STRIPING WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.

5. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS NOT EXCEEDED AND THE AREA IS NOT PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR IS LOCKED), THEN JUST STRIPING OUT TO THE PUBLIC LIMIT WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH STRIPING.

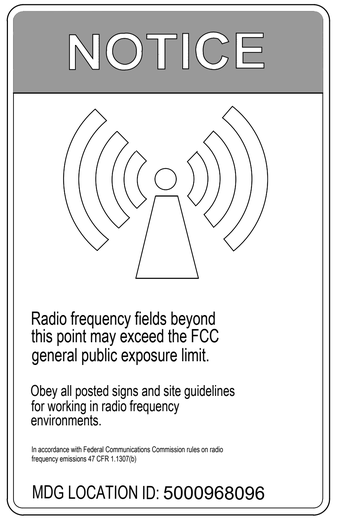
6. ALL TRANSMIT ANTENNAS REQUIRE A (3) THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES IN PLAIN SIGHT AND THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNAS THEMSELVES OR ON THE OUTSIDE OF THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY WITH ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS WILL HAVE VERIZON WIRELESS'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.

7. PHOTOS OF ALL STRIPING, BARRICADES, AND SIGNAGE WILL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE AND WILL BE TURNED INTO THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE WITH FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS HATCH PATTERN. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO THAT THEY DO NOT BLOCK OR INTERFERE WITH THE OPERATION OF THE SITE AND SHALL BE PAINTED WITH FADE RESISTANT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED AND SHALL PROVIDE THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER WITH A DETAILED SHOP DRAWING OF EACH BARRICADE.

8. ALL REQUIRED SIGNAGE WILL BE INSTALLED AS NEEDED AND FIELD VERIFIED.



1 TYPICAL ADDRESS SIGN DETAIL (@ LEASE AREA ACCESS DOOR)



2 TYPICAL CAUTION SIGN

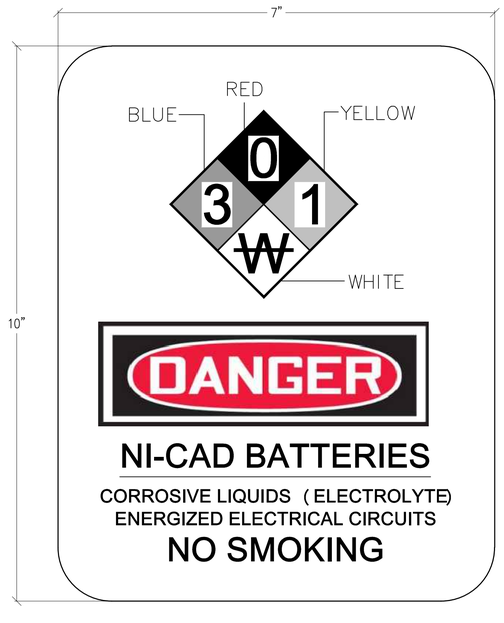
NOTE: SIGN TO BE PERMANENTLY MOUNTED AT ANTENNA LOCATIONS.



3 TYPICAL HAZARD SIGN



4 TYPICAL HAZARD SIGN



5 BATTERY SIGN

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC WHETHER THE PROJECT IS OR WHICH THEY ARE PREPARED IS EXECUTED. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT THE EXPRESS WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

SIGNAGE DETAILS

SHEET NUMBER:

T-1.3

DATE OF SURVEY: 03-19-25

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF MENDOCINO, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL UNLESS OTHERWISE NOTED.

FEMA FIRM ZONE "X" PER FIRM 06045C1225F DATED 06/02/2011.

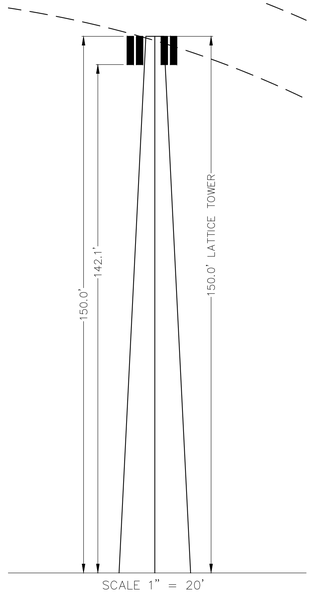
N.G.V.D. 1929 CORRECTION: SUBTRACT 2.93' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: 1 FT.

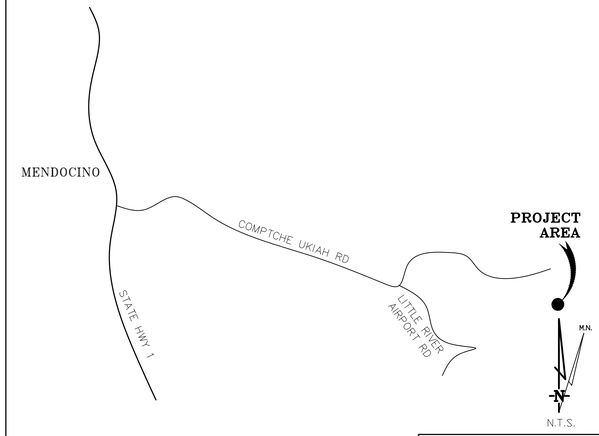
ASSESSOR'S PARCEL NUMBER: 125-010-26

LANDLORD(S) US CELLULAR
8410 WEST BRYN MAWR AVE
CHICAGO, IL 60631

OWNER(S): STATE OF CALIFORNIA
1 CAPITOL MALL STE 500
SACRAMENTO, CA 95814



SCALE 1" = 20'

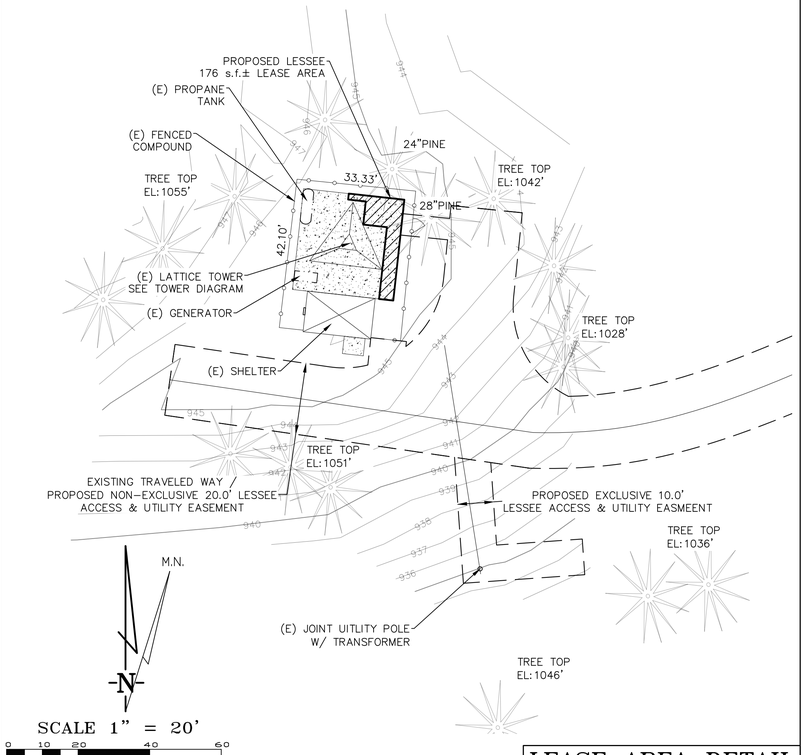


Comptche, CA

VICINITY MAP

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

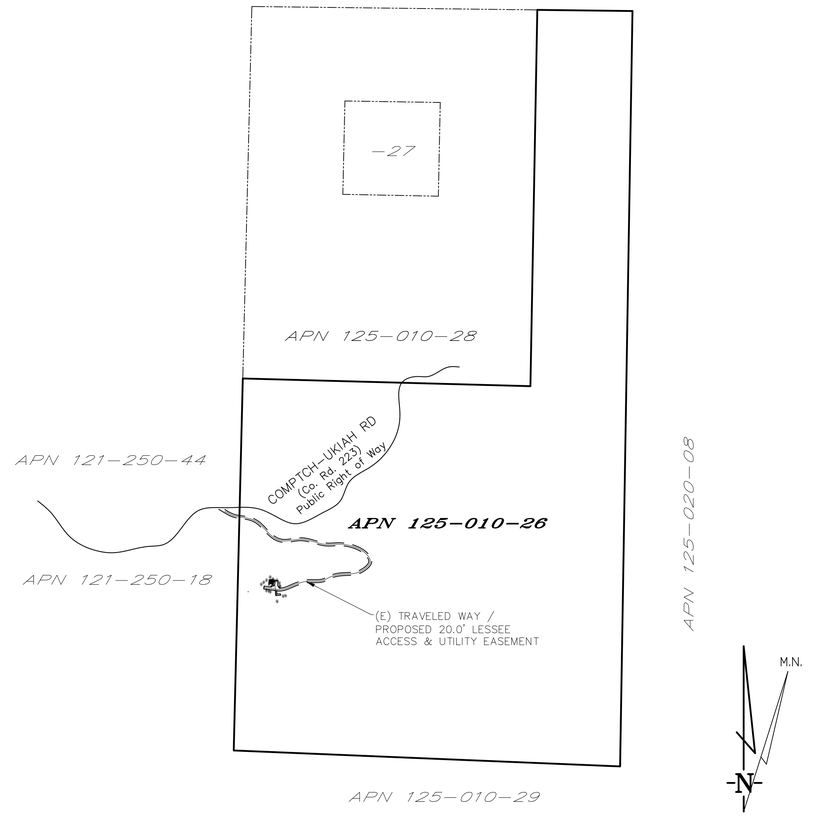
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.



SCALE 1" = 20'

0 10 20 40 60

LEASE AREA DETAIL



SCALE 1" = 500'

OVERALL PROJECT AREA

DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1226 HIGH STREET
AUBURN, CALIFORNIA 95603
phone: (530) 885-0426
fax: (530) 885-7000

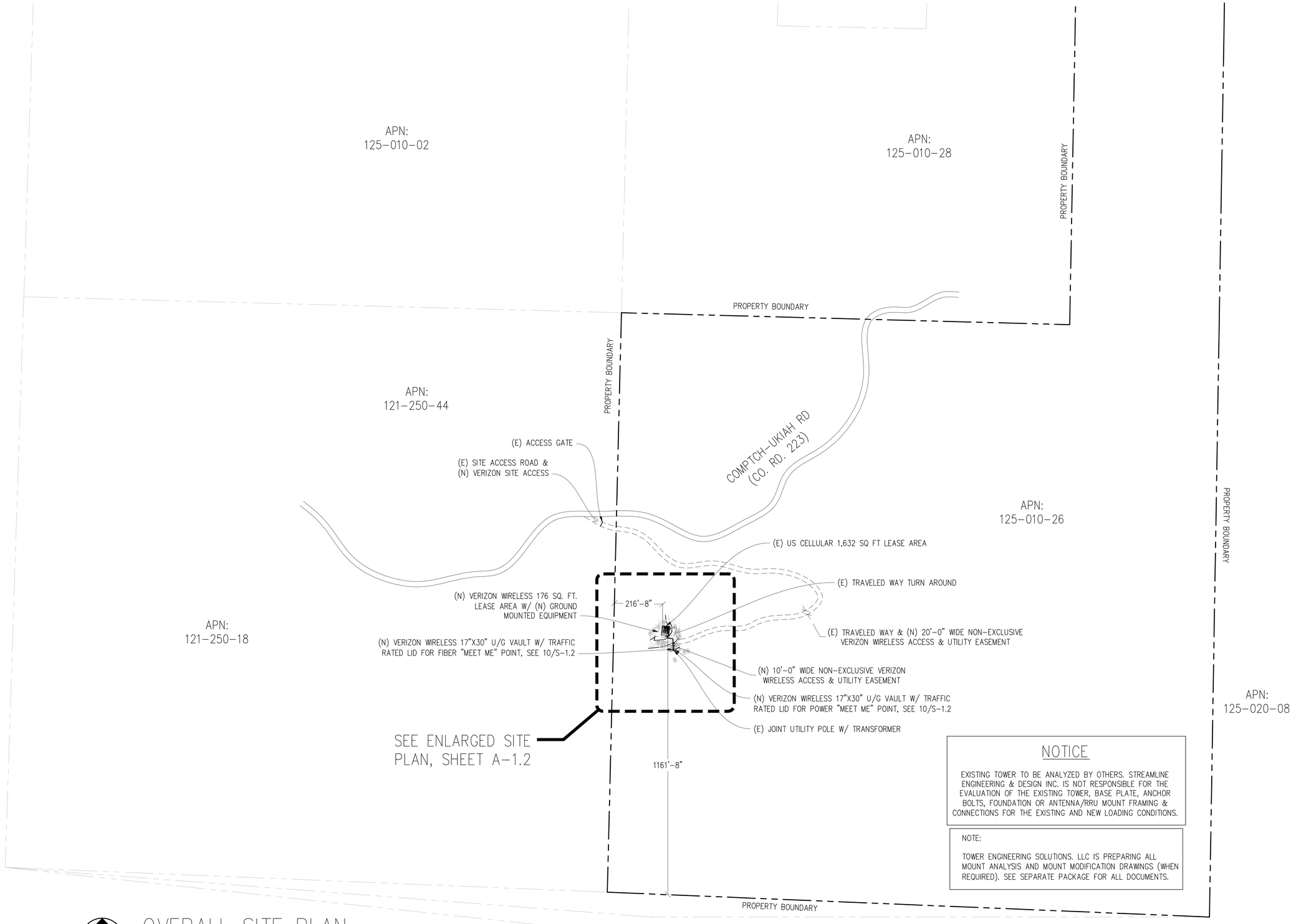
verizon

Comptche
38351 Comptche Ukiah Road
Comptche, CA 95460

PLOT PLAN AND
SITE TOPOGRAPHY

REVISIONS		
03-31-25	Preliminary Drawing	DG
04-30-25	rev. lease/esmts.	DG
06-01-25	rev. lease/esmts.	DG
08-12-25	rev. lease/esmts.	DG

Sheet
C-1



TN

OVERALL SITE PLAN

1"=200'-0"

0 100' 200' 400' 600' 1,000'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND IS A VIOLATION OF APPLICABLE COPYRIGHT LAWS. COPYRIGHT © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

OVERALL
SITE PLAN

SHEET NUMBER:

A-1.1

APN:
125-010-26

SEE COMPOUND PLAN,
SHEET A-1.3

(E) US CELLULAR LATTICE TOWER W/ (N) VERIZON WIRELESS ANTENNA & ANTENNA EQUIPMENT

(E) US CELLULAR 1,632 SQ FT LEASE AREA

(E) US CELLULAR 6' TALL CHAIN LINK FENCE W/ BARBED WIRE THROUGHOUT

(N) VERIZON WIRELESS 176 SQ. FT. LEASE AREA W/ (N) GROUND MOUNTED EQUIPMENT

(E) TRAVELED WAY TURN AROUND

(E) CARRIER SHELTER

(E) PINE TREES (TYP)

70'-0"

R28'-0", TYP

(E) TRAVELED WAY & (N) 20'-0" WIDE NON-EXCLUSIVE VERIZON WIRELESS ACCESS & UTILITY EASEMENT

(N) VERIZON WIRELESS 4" U/G CONDUIT FOR FIBER FROM (N) "MEET ME" POINT TO (N) TELCO BOX, APPROX. 115', SEE 5/S-1.2

(N) VERIZON WIRELESS U/G CONDUIT FOR POWER FROM (N) P.O.C TO (N) 200A METER, APPROX. ±80', SEE 5/S-1.2

(N) 10'-0" WIDE NON-EXCLUSIVE VERIZON WIRELESS ACCESS & UTILITY EASEMENT

(N) VERIZON WIRELESS 17"X30" U/G VAULT W/ TRAFFIC RATED LID FOR FIBER "MEET ME" POINT, SEE 10/S-1.2

(N) VERIZON WIRELESS 17"X30" U/G VAULT W/ TRAFFIC RATED LID FOR POWER & (N) POWER POC, SEE 10/S-1.2

(E) JOINT UTILITY POLE W/ TRANSFORMER

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

ENLARGED SITE PLAN

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

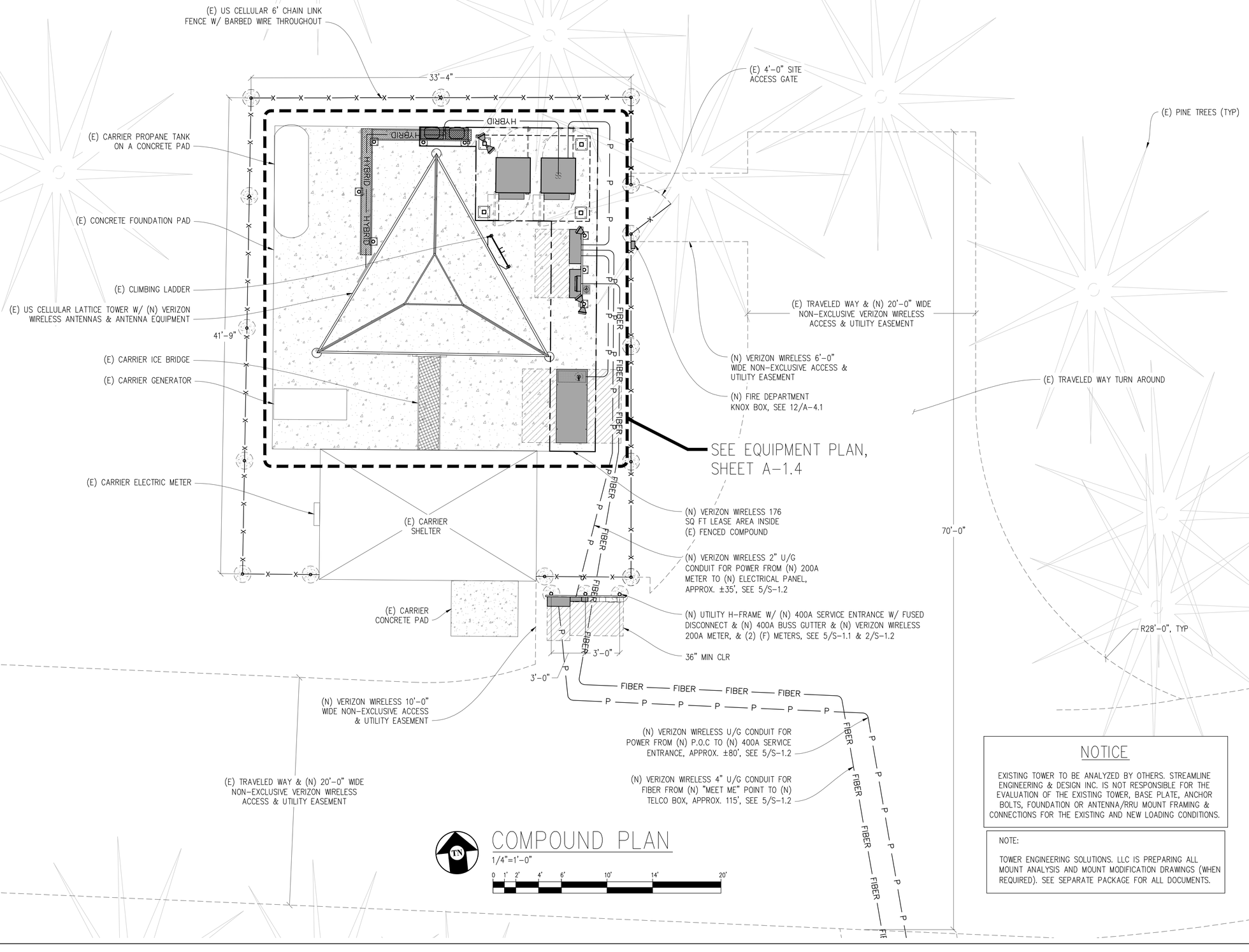
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REPRODUCTION OF THESE PLANS AND SPECIFICATIONS WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND ANY UNAUTHORIZED USE WILL BE AT THE RISK OF THE USER. Copyright 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ENLARGED SITE PLAN

SHEET NUMBER:

A-1.2



COMPOUND PLAN

1/4"=1'-0"

0 1' 2' 4' 6' 10' 14' 20'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

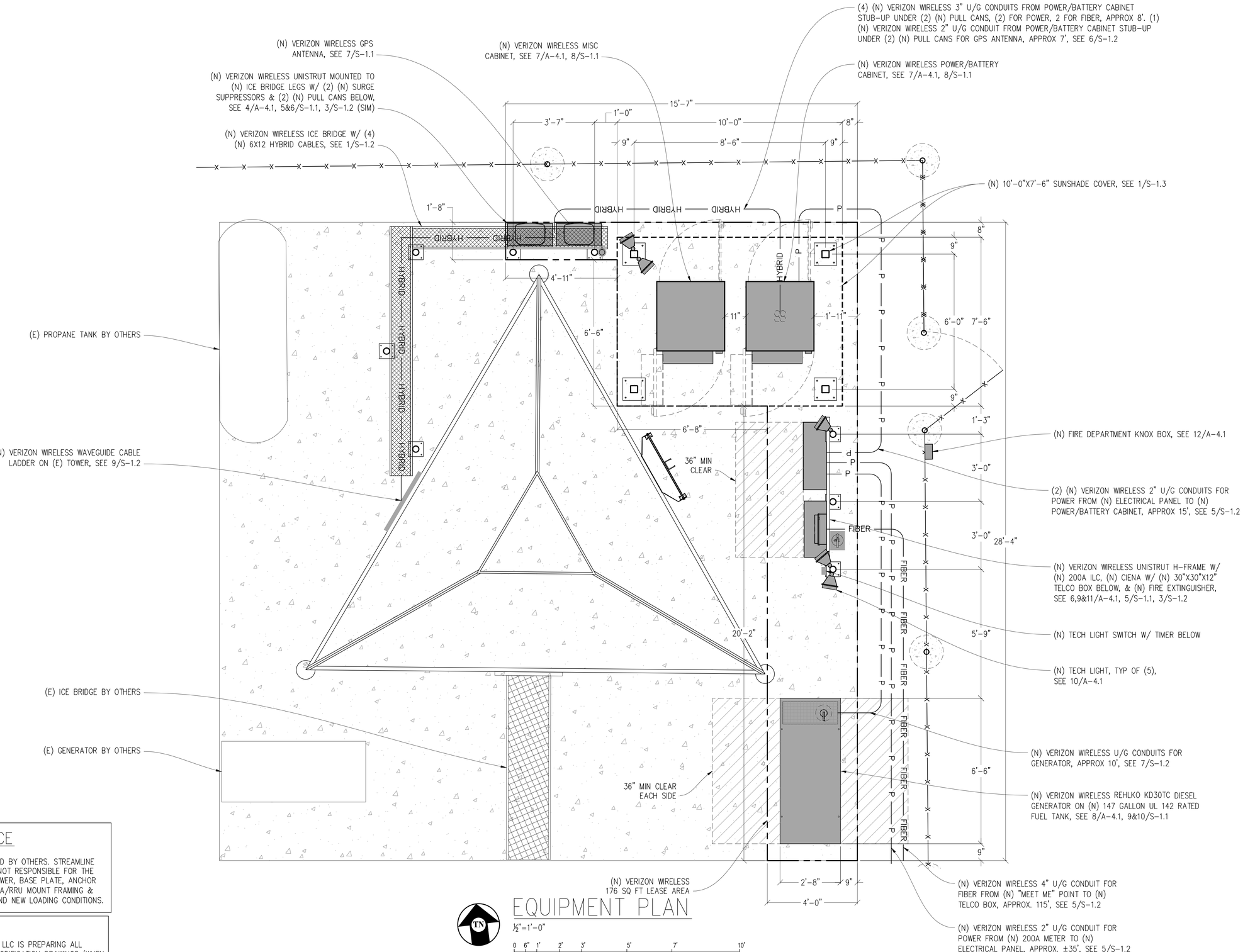
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE ARE EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

COMPOUND PLAN

SHEET NUMBER:

A-1.3



EQUIPMENT PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE ENGINEER, Copyright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

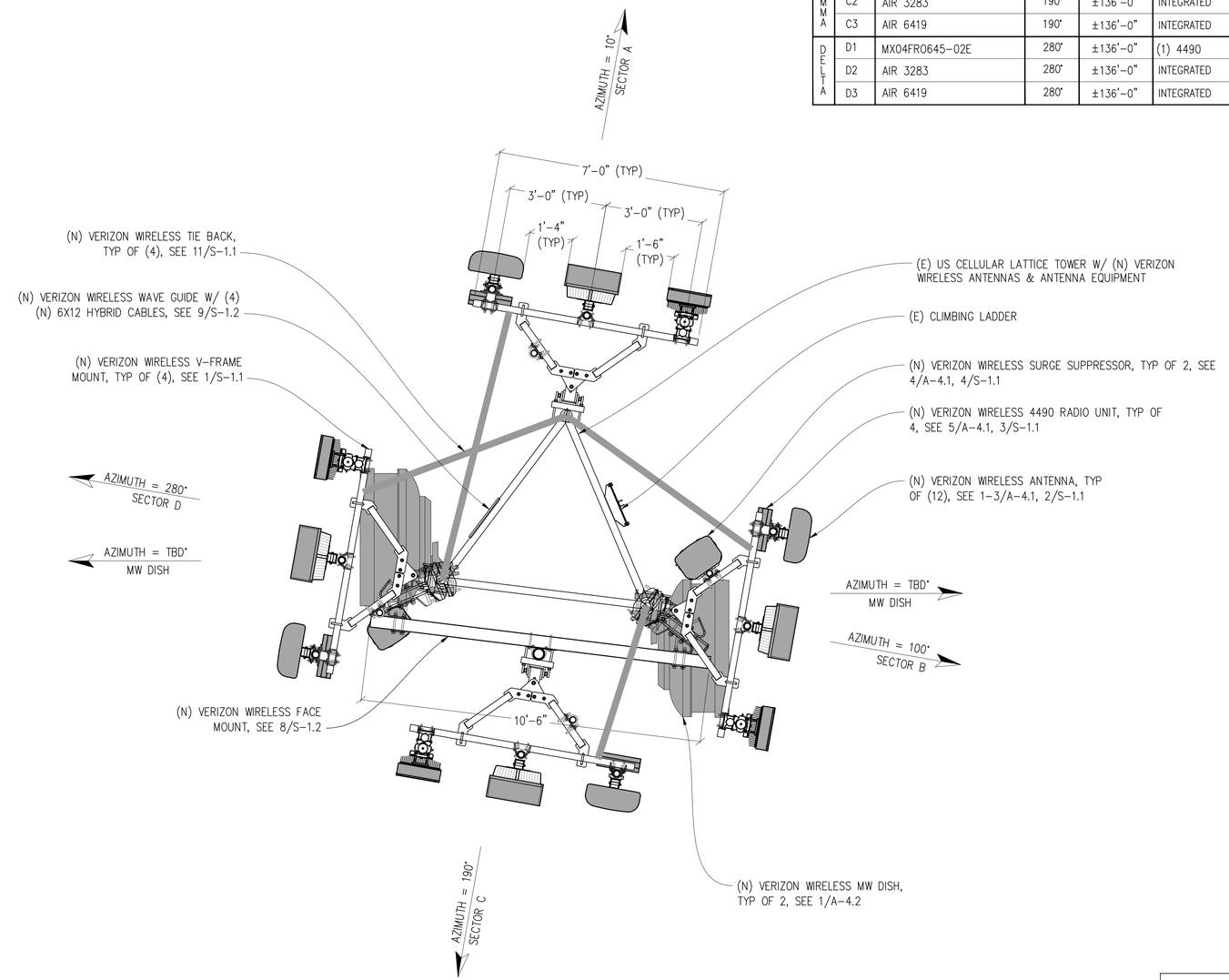
EQUIPMENT PLAN

SHEET NUMBER:

A-1.4

(N) RF SCHEDULE (PRELIMINARY & SUBJECT TO CHANGE)

SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	# OF HYBRID CABLES	LENGTH OF CABLES	SURGE SUPPRESSOR
ALPHA	A1	MX04FRO645-02E	10°	±136'-0"	(1) 4490	SHARED	–	SHARED
	A2	AIR 3283	10°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	A3	AIR 6419	10°	±136'-0"	INTEGRATED	SHARED	–	SHARED
BETA	B1	MX04FRO645-02E	100°	±136'-0"	(1) 4490	SHARED	–	SHARED
	B2	AIR 3283	100°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	B3	AIR 6419	100°	±136'-0"	INTEGRATED	2	±180	(1) 6627
GAMMA	C1	MX04FRO645-02E	190°	±136'-0"	(1) 4490	SHARED	–	SHARED
	C2	AIR 3283	190°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	C3	AIR 6419	190°	±136'-0"	INTEGRATED	SHARED	–	SHARED
DELTA	D1	MX04FRO645-02E	280°	±136'-0"	(1) 4490	SHARED	–	SHARED
	D2	AIR 3283	280°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	D3	AIR 6419	280°	±136'-0"	INTEGRATED	2	±180	(1) 6627



ANTENNA PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

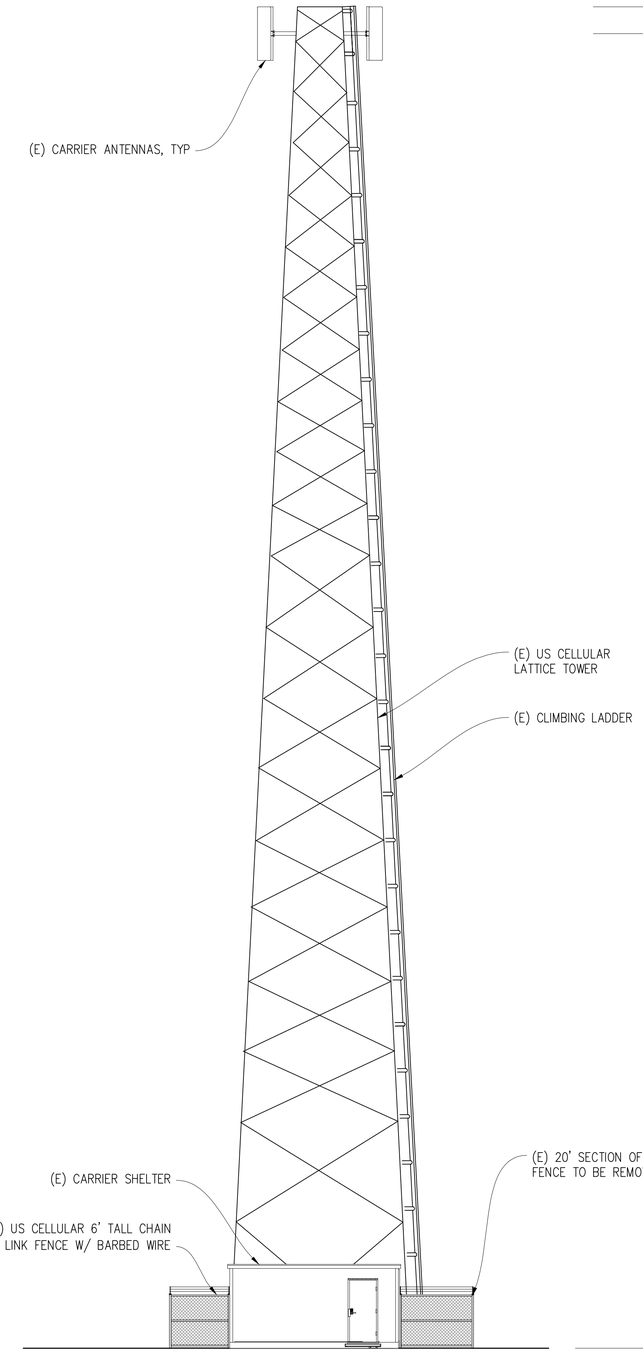
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS BY ANY PARTY WITHOUT THE EXPRESS WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ANTENNA PLAN

SHEET NUMBER:

A-2.1



TOP OF (E) LATTICE TOWER & (E) CARRIER ANTENNAS
±150'-0" A.G.L.

CENTER OF (E) CARRIER ANTENNAS
±147'-0"A.G.L.

TOP OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±141'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS ANTENNAS
±136'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS MW DISHES
±133'-0" A.G.L.

BOTTOM OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±131'-0" A.G.L.

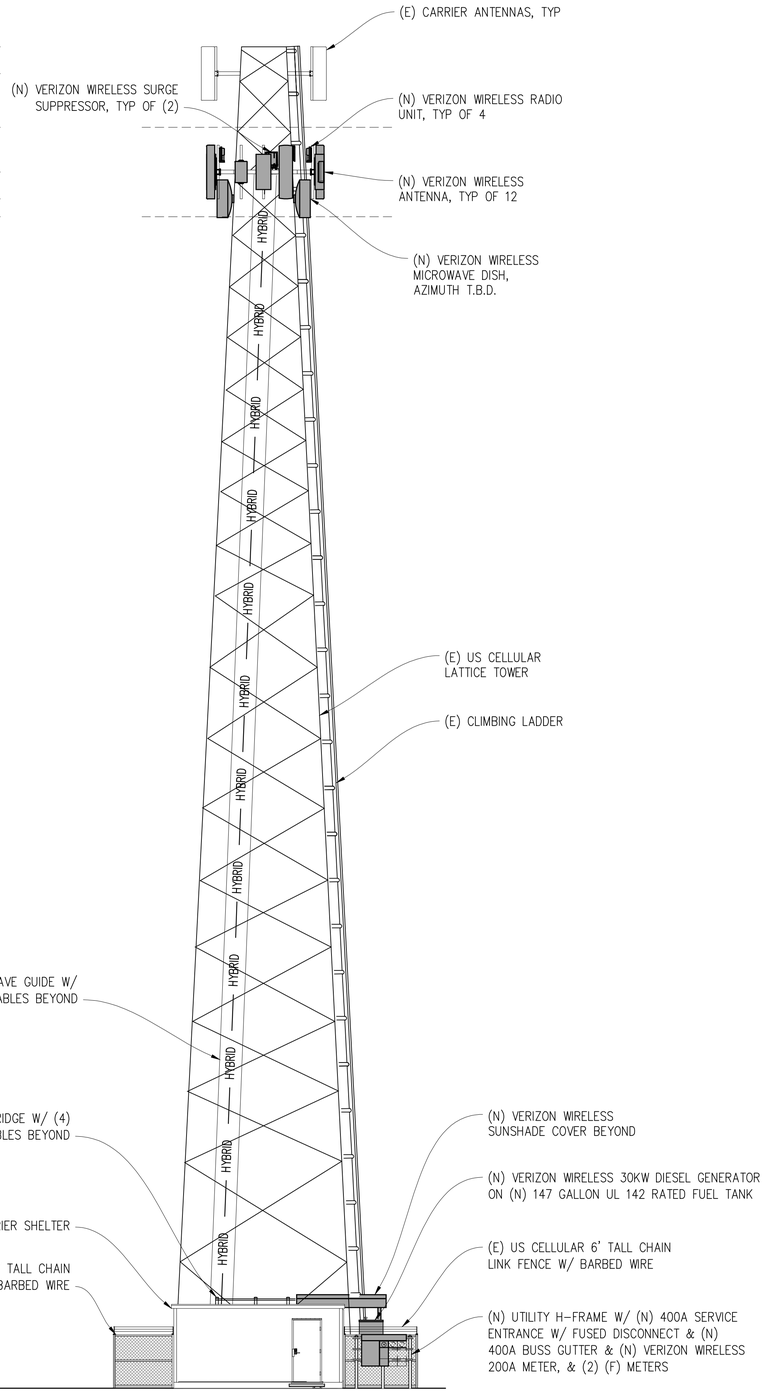
GROUND LEVEL
0'-0"

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.



(E) SOUTH ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

(N) SOUTH ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen. Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

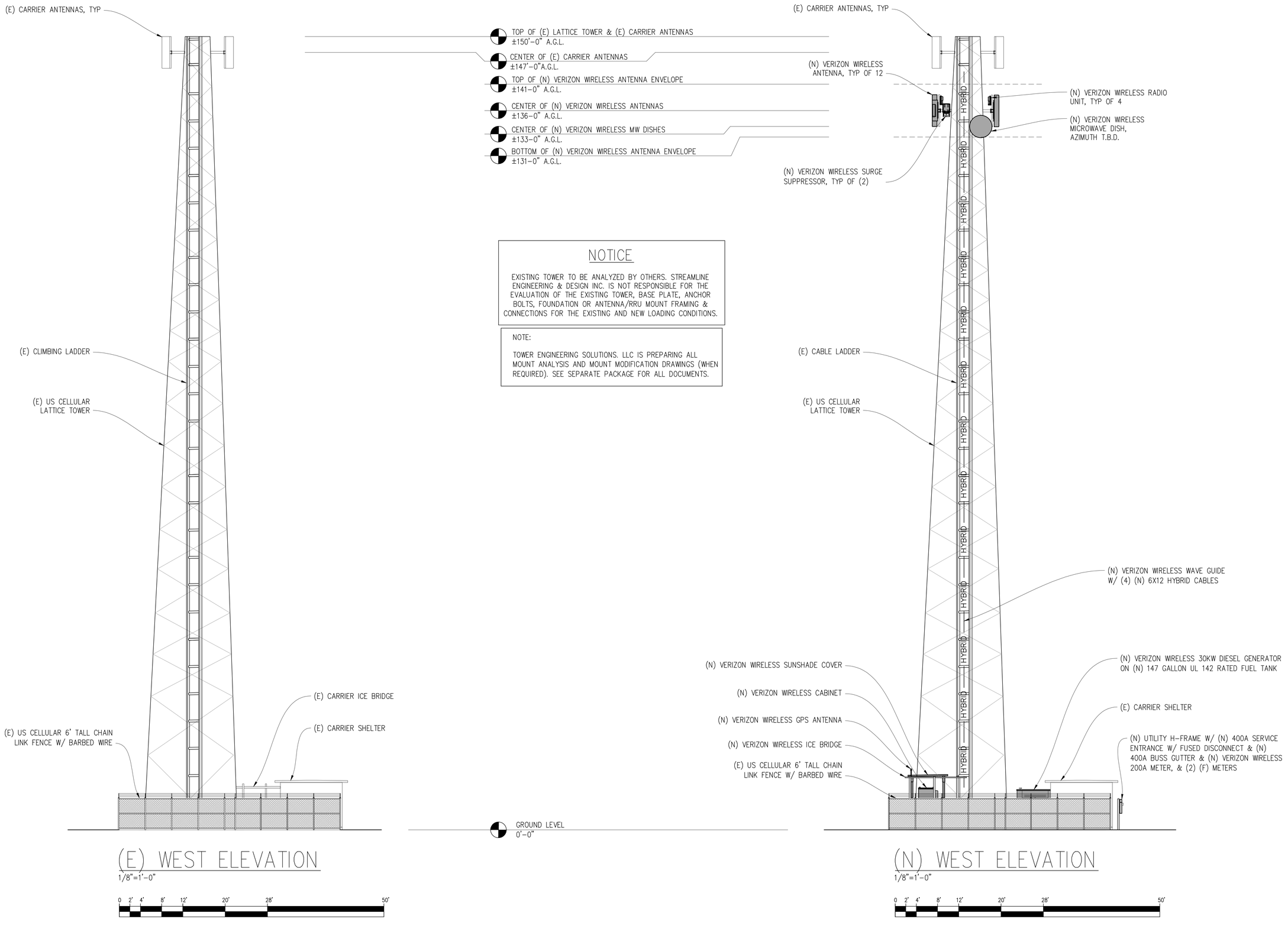
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE ARE EXECUTED OR NOT. THE REUSE OF ANY OF THESE PLANS BY ANY AUTHORIZED ENGINEER. Copyright © 2009, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-3.1



NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

(E) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

(N) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

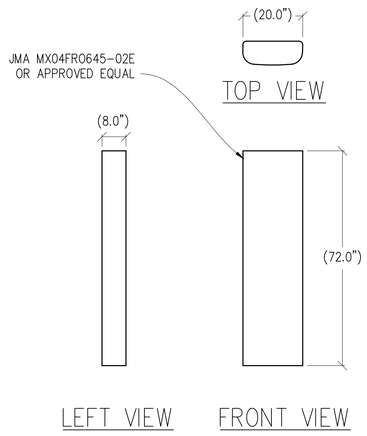
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT IS CONSTRUCTED OR NOT. THESE PLANS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELEVATIONS

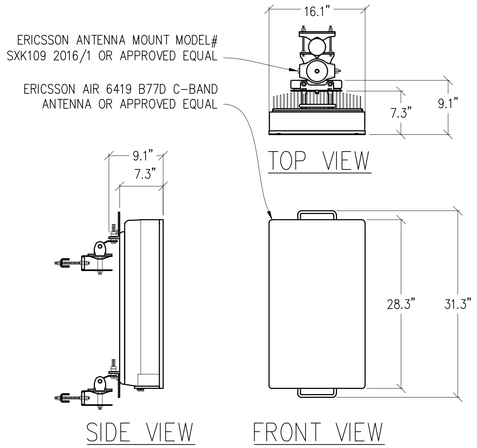
SHEET NUMBER:

A-3.2



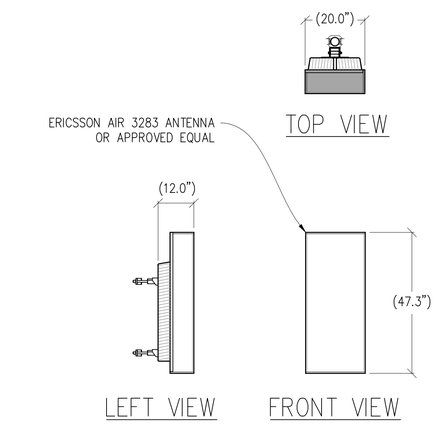
1 ANTENNA DETAIL

½"=1'-0" MAX WEIGHT: 28 LBS



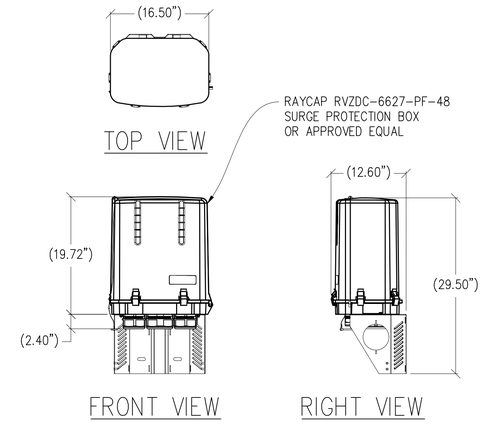
2 ANTENNA DETAIL

1"=1'-0" MAX WEIGHT: 64 LBS



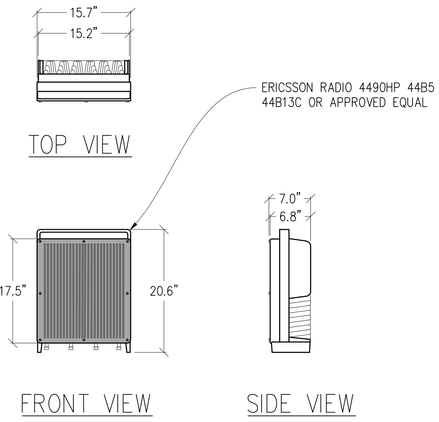
3 ANTENNA DETAIL

½"=1'-0" WEIGHT: 110 LBS



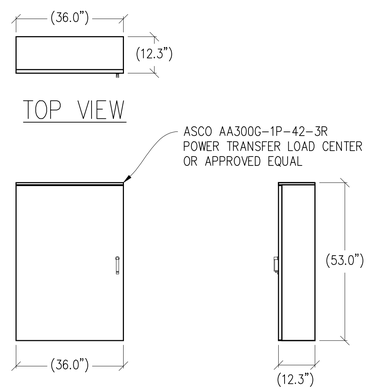
4 SURGE PROTECTION BOX

1"=1'-0" MAX WEIGHT: 32.0 LBS



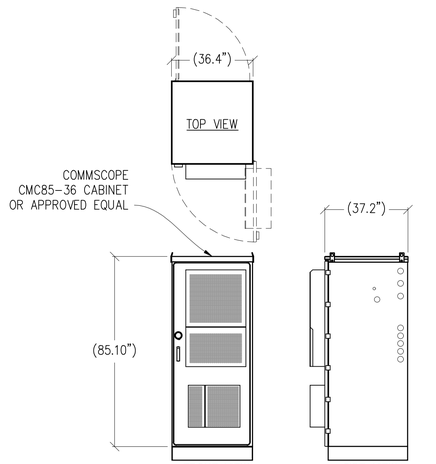
5 RADIO 4490HP DETAIL

1"=1'-0" MAX WEIGHT: 68.4 LBS



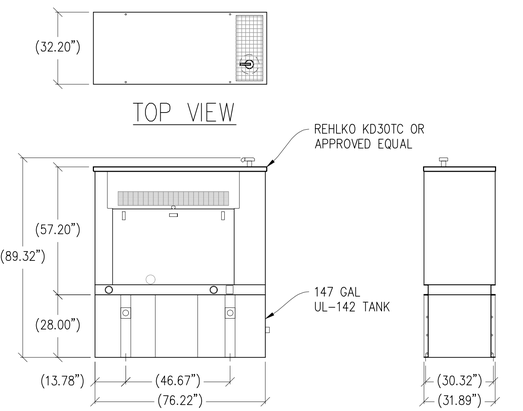
6 ILC CABINET DETAIL

½"=1'-0" MAX WEIGHT: 210 LBS



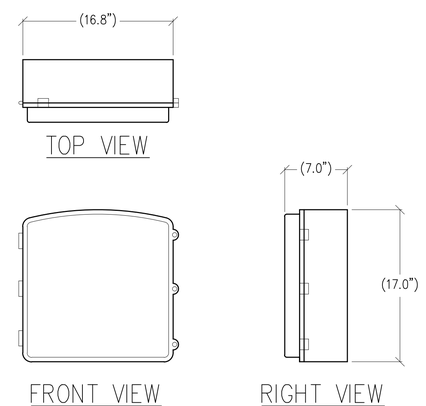
7 CABINET DETAIL

⅜"=1'-0" MAX WEIGHT: 1861 LBS



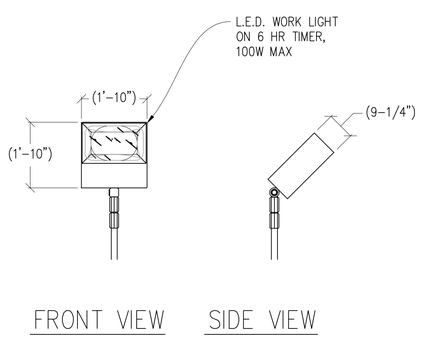
8 GENERATOR DETAIL

⅜"=1'-0" MAX FULL WEIGHT: 3,227 LBS



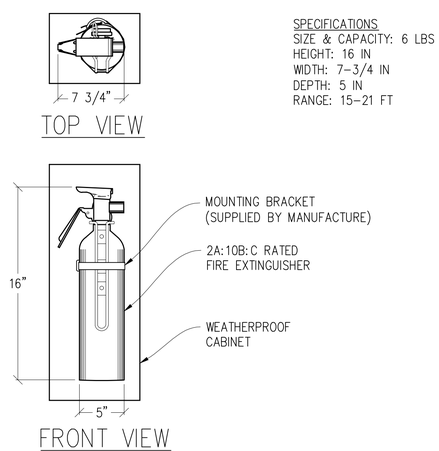
9 CN 3931 DETAIL

1½"=1'-0" MAX WEIGHT: 28.6 LBS



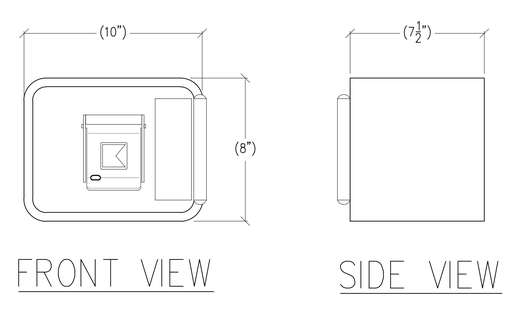
10 TECH LIGHT DETAIL

½"=1'-0"



11 FIRE EXTINGUISHER DETAIL

N.T.S.



12 KNOX-BOX 3200 DETAIL

3"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

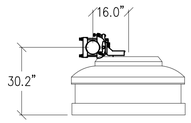
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON OTHER THAN THE AUTHORIZED ENGINEER, WITHOUT THE EXPRESS AND WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYRIGHT © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

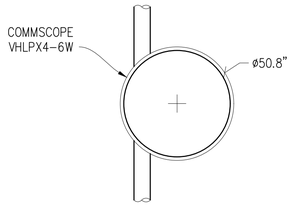
DETAILS

SHEET NUMBER:

A-4.1



TOP VIEW



FRONT VIEW

1 MICROWAVE DETAIL

3/8"=1'-0" MAX WEIGHT: 70.5 LBS

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 SPRUCE GROVE DR. BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6338
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. AND BY THE PROJECT'S TOP MAGOT TOWER, LLC. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

DETAILS

SHEET NUMBER:

A-4.2

saft

T-210 REV A

P/N: 80-94890-02

Tel.X-Plus 180 (5x8 Cell Block) Environmental Overview



Change History

Rev.	Description of Changes	By	Date
-	Initial creation, sections drafted	HBO	09/27/2021
A	Edited and released	HBO	10/04/2021

Section 5- Specifications and Design Standards

Conforms with quality, safety, and environmental standards

Meets the highest international standards, including:

Electrical and performances
- IEC 60623 compliant– Secondary cells and batteries containing alkaline or other non-acid electrolytes – vented nickel-cadmium prismatic rechargeable single cell
- Telcordia GR-3020 compliant – Nickel-cadmium batteries in the outside plant
- NFC 15-100 compliant – Low-voltage electrical installations

Safety
- EN 50272-2/IEC 62485-2 –Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries
- UL 94 VO: UL standard for flammability safety of plastic materials for parts in devices and appliances testing
- UL 1989 – Safety for standby batteries certified by Intertek
- Telcordia – GR 63 NEBS level 3 – NEBS requirements for physical protection
- Telcordia – GR 1089 NEBS level 3 – Electromagnetic compatibility and electrical safety – generic criteria for network telecommunications equipment

Quality
- ISO 9001
- Saft world class continuous program

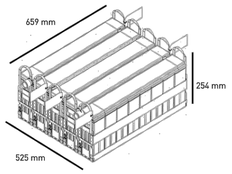
Environment
- Fully recyclable
  RoHS – Although batteries and accumulators are not within the scope of the RoHS directive, Saft has taken voluntary measures to ensure that the substances prohibited by RoHS are not present in the battery, except for the electro-chemical core
- REACH – The Saft Group has adopted internal procedures to ensure conformity with the European REACH (Registration, Evaluation, Authorization, and Restriction of Chemical Substances) Regulation

Section 1- Tel.X-Plus 180 Specifications

String Part Number: 80-94890-02

Dimensions per String:

Length	25.9 in	659 mm
Width	20.7 in	525 mm
Height	10.0 in	254 mm
Weight	365 lb	165.5 kg



String Nominal Capacity / Energy: 172 Ah / 8.2 kWh

Performance after 24-hour constant voltage float charge to 1.43VDC per cell at +25°C (+77°F) with a minimum charge current of 0.1 CA Amp* down to various end of discharge voltages

End of Discharge Voltage (VDC/Cell)	Discharge rate hours (Amps)											
	0.25	0.5	1	2	3	4	5	8	10	12	19	24
1.00	360.0	290.0	178.0	90.0	60.0	45.1	36.2	22.8	18.5	15.6	10.7	8.3
1.05	330.0	252.0	170.0	87.0	58.5	44.0	35.3	22.3	18.0	15.1	10.3	7.95
1.10	287.5	225.0	155.0**	84.0	57.5	43.1	34.5	21.6	17.4	14.7	10.1	7.75
1.14	225.0	180.0	130.0	80.0	55.0	41.4	33.2	20.9	16.9	14.2	9.7	7.5

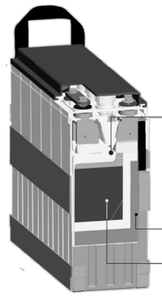
End of Discharge Voltage (VDC/Cell)	Discharge rate hours (Watts)											
	0.25	0.5	1	2	3	4	5	8	10	12	19	24
1.00	349.2	308.8	198.0	104.0	70.4	53.0	42.5	26.8	21.8	18.4	12.7	9.9
1.05	336.1	271.3	190.0	101.0	68.8	51.8	41.6	26.3	21.3	17.9	12.3	9.5
1.10	306.7	244.4	174.0**	98.0	67.8	50.9	40.8	25.6	20.7	17.4	12.0	9.3
1.14	248.8	204.1	147.0	94.0	65.2	49.0	39.4	24.8	20.1	16.9	11.7	9.0

* 0.1 CaAmp for TLX+180 equates to 17.2Amps
** Derating factor for 1-hour discharge rate at +5°C (+41°F) to 1.1VDC/cell is 7.8%
Power cable selection: The selection of power cables used within the installation of Saft Batteries is a function of:
1- Installation location: dry, damp, or wet (as defined by the NEC code)
2- Maximum ambient operating temperature
3- Maximum sustained current (amperage) applied during charge or discharge
Follow standards mandated by the application such as GR947

Section 2- Metal and Electrolyte Calculations

Cadmium metal *(Weight per String)*	65.2 lb	29.57 kg
Nickel metal *(Weight per String)*	64.8 lb	29.39 kg
Cobalt metal *(Weight per String)*	6.0 lb	2.72 kg
Cadmium metal %	17.62%	
Nickel metal %	17.51%	
Cobalt metal %	1.62%	
Electrolyte %	23.9%	
Other Materials % *(Metal Connectors, Plastic, etc.)*	<40%	

Electrolyte Solution (bound and free) pounds per String	87.2 lb
Electrolyte Solution (bound and free) gallons per String	8.90 gallons



Electrolyte inside the cells is a water-based solution of 30% potassium hydroxide. Highly conductive, it remains liquid down to-40°C (-40°F).

The negative plate uses cadmium active mass to provide useful capacity.

The positive plate uses nickel active mass to provide useful capacity.

Section 3- Tel.X- Plus 180 Gassing

Op. type	VPC	T (°C / °F)	H_2 per cell (l/h)	H_2 per 40-cell string (l/h)	H_2(cfm x 10^{-4} X C8)	H_2(cfm x 10^{-4} X C8) per 40-cell string
Floating	1.45	+25 / +77	0.0000240	0.00096	0.00008	0.00328
Floating	1.45	+45 / +113	0.0013100	0.05240	0.00448	0.17931
Floating	1.45	+60 / +140	0.0102200	0.40880	0.03497	1.39890

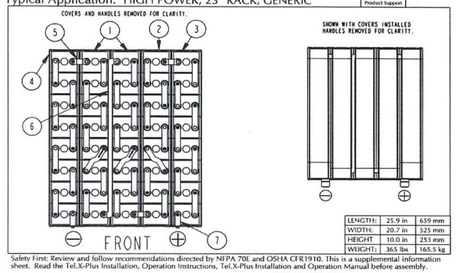
- During normal operation, hydrogen gas, oxygen gas, and water vapor are exhausted through the cell vent. Exhausted gases result in the electrolyte's water consumption.
- Gassing from electrolysis occurs mainly during overcharging and, to a lesser degree, during float charging. It will not occur during battery storage, normal discharging, or during the early re-charging stage (cell voltage must rise above 1.23 VDC for electrolysis to take place).
- During overcharging, electrolysis occurs with a fixed stoichiometry rate of 1 cm^3 of water consumed for every 3 Ah of overcharge. For every 1 cm^3 of water electrolyzed and exhausted, approximately 690 cm^3 of oxygen is generated on the positive electrodes and 1380 cm^3 of hydrogen on negative electrodes.

Section 4- Short Circuit

A battery's short circuit current is dependent on its state of charge and internal temperature.
- A fully charged Tel.X-Plus battery string can deliver a short circuit current in excess of 10 C_6A (i.e.: a 172 Ah Tel.X-Plus battery string can generate a short circuit current of 1720 Amps).
- Short circuit currents through an electrical conductor of any kind are high enough to melt metal and plastic. It is therefore important to your safety that all conductive jewelry or alike (rings, watches, bracelets, etc.) are removed before installing a battery.

saft

String Instruction Sheet 80-94890-02
Tel.X-Plus Ni-Cd Battery
Typical Application: HIGH POWER, 23" RACK, GENERIC



LENGTH:	25.9 in	659 mm
WIDTH:	20.7 in	525 mm
HEIGHT	10.0 in	253 mm
WEIGHT:	365 lbs	165.5 kg

Safety First: Review and follow recommendations directed by NFPA 70E and OSHA CFR1910. This is a supplemental information sheet. Read the Tel.X-Plus Installation, Operation Instructions, Tel.X-Plus Installation and Operation Manual before assembly.

PARTS LIST

ITEM	CHK	PART No.	DESCRIPTION	QTY
1		80-04788-08	BLOCK TLX+180 8-CELL	2
2		80-04788-18	BLOCK TLX+180 8-CELL	1
3		80-04788-28	BLOCK TLX+180 8-CELL	1
4		80-04788-38	BLOCK TLX+180 8-CELL	1
5		80-03979-10	BUSBAR INTERBLOCK W/TUBING (TLX)	3
6		80-04807-01	CONNECTOR INTERBLOCK TLX180-8 W/POST	1
7		80-04698-14	KIT ADAPTER TERMINAL FRT TLX180	1
8		80-03928-40	KIT INSTALLATION Tel.X-Plus	1

INSTALLATION KIT (not shown)

CHK	PART No.	DESCRIPTION	QTY
	80-03541-02	LABEL , TLX+ 40-CELL, TCV DISABLED	1
	80-04283-01	LABELS NUMERICAL	1
	025544-001	CORROSION INHIBITOR	1
	025583-000	SCREW, M6 X 1.0, 10MM, SS	3
	100110	WASHER SPRING M6 AC	3
	22008	INSTALLATION AND OPERATION SHEET	1

SPECIAL INSTRUCTIONS:
1. Scan QR code for Product Support Document & Battery Installation video.
2. Prior to assembly, use the CHK column in the parts list to assure all parts & kit parts have been received.
3. ● Indicates positive terminal.

⚠1 Use "Labels numerical" provided to identify each cell of the battery string. Starting with battery string positive end as cell number one, subsequently serialize the cells following the electrical path resulting in numbering battery string negative end cell as #40.

⚠2 Measure OCV and record using I/O sheet.

⚠3 Use corrosion preventer (Nei-Oil) provided to lightly coat exposed metal at all terminal end lug connections.

⚠4 Torque value: 10.8 ± .5 Nm (96 ± 4 in lb) .

⚠5 After an electrical connection is made, reinstall block cover.

⚠6 ⚠Affix "label -57.2 VDC & TCV disabled" labels onto or near the battery string and rectifier to inform that the float voltage should be set to 57.2 VDC and TCV should be disabled.

Saft America, Inc.
711 Gil Harbin Industrial Blvd
Valdosta Georgia, 31601 - USA
Tel: (229) 247 2331
Fax: (229) 247 8486

www.saftbatteries.com

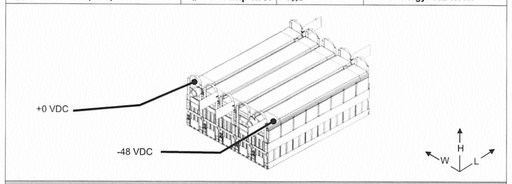
Doc. n° IO-80-94890-02
Revision: D. Sheet 1 of 8
Data in this document is subject to change without notice and become contractual only after written confirmation by Saft. Proprietary information. Any duplication or reproduction without authorization of Saft is strictly prohibited.

TotalEnergies

Return to TOC

80-94890-02 Verizon

Type: TLX+180 (x40)	C_n: 172 Amp-hrs.	$V_{Appl.}$: 48 VDC	Nom. Energy: 8.2 kWh



STRING

Type	Saft P/N	String Dimensions (W x L x H)	(525 x 659 x 254) mm (20.67 x 25.94 x 10.00) inches
Battery String	80-94890-02		
Installation Kit	80-03928-40	String Weight	165.5 kg 365.0 lb
Bus bar	80-03979-10		
Connector Interblock w/ tubing	80-04807-01		
Kit Adapter Terminal Frt. TLX180	80-04698-14		

BLOCKS / MODULES

Type	Saft P/N	Qty	Block Dimensions (W x L x H)	Block Weight
TLX 180-8	80-04788-08	2	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-18	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-28	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-38	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb

CELL

Type	Saft P/N	Qty	CLEI	CPR
TLX+180	80-03832-01	40	PWHYAM8TRA	212341

Return to TOC

CFC CHAPTER 12 COMPLIANCE

TOTAL = 2 STRINGS X 8.256 kWh/STRING = 16.51 kWh

(SINCE LESS THAN 70kWh OF CAPACITY, CFC CHAPTER 1207, TABLE 1207.1.1, SECTIONS 1207.1.2–1207.11.10 NOT APPLICABLE)

BATTERY INFORMATION (BATTERY CAPACITY DATA–48V STRINGS)

BATTERY MODEL	TOTAL # OF STRINGS INSTALLED	AMP HOURS PER STRING	TOTAL VOLTS PER STRING	TOTAL kWh / # OF STRINGS x AMP HOURS PER STRING x VOLTS PER STRING / 1000
SAFT TLX+180 80–94890–02	2	172Ah	48V	2 x 172Ah x 48V/1000 = 16.51kWh < 70kWh

BATTERY DATA CHART

NEW BATTERIES

BATTERY TYPE: SAFT TLX+180 (80–94890–02)
NUMBER OF STRINGS: 2
WEIGHT: 365 LB/STRING X 2 = 730 LB
TOTAL KWH: 172AH X 48V X 2 / 1000 = 16.51 KWH

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6338 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

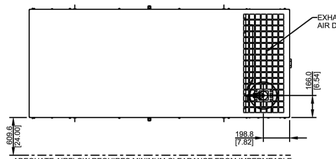
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND IS A VIOLATION OF APPLICABLE COPYRIGHT LAWS. ©COPYRIGHT 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

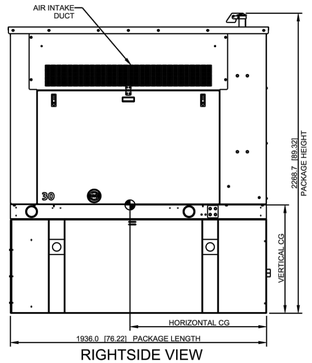
BATTERY SPECIFICATIONS

SHEET NUMBER:

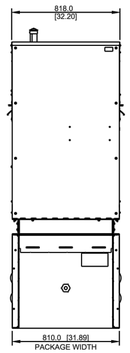
A-5.1



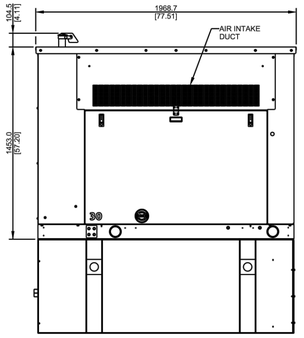
TOP VIEW



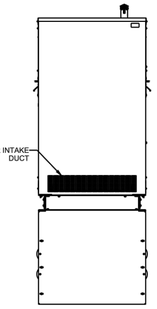
RIGHTSIDE VIEW



FRONT VIEW



LEFTSIDE VIEW



REAR VIEW

NOTE:
1.) DIMENSIONS IN [ ] ARE ENGLISH UNIT EQUIVALENTS.
2.) 6 AMP BATTERY CHARGER.
3.) 120VAC ENGINE BLOCK HEATER.
4.) 120VAC BATTERY HEATER.
5.) GENERATOR MUST BE GROUNDED.
6.) MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST.
7.) MUST ALLOW FREE FLOW OF INTAKE AIR.
8.) BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
9.) SEE TABLE ON SHEET 3 FOR SUBBASE FUEL TANK CAPACITY.
10.) TANK EQUIPPED WITH FIRE SAFETY VALVE ON FUEL SUPPLY LINE.
11.) IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS.
12.) GENERATOR IS INSTALLED ON A UL-142 RATED DOUBLE WALL SUBBASE FUEL TANK.

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	(D-8) CLEARANCE NOTE UPDATED, (B-4)	JB2
		881.0 REMOVED, SEE SHEET 3	

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

rehlko

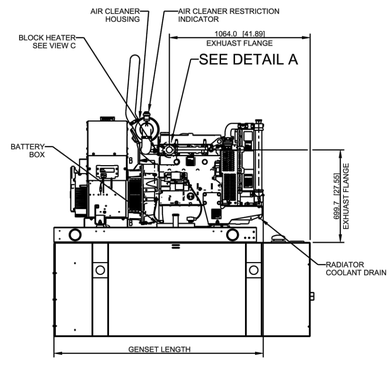
UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 1 OF 3

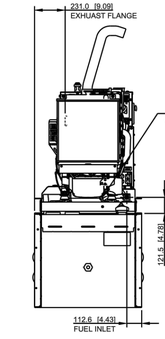
DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

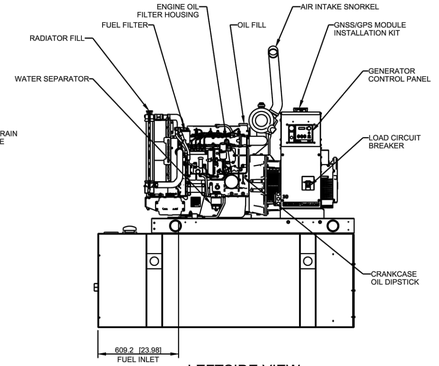
MODEL	ALTERNATOR	PACKAGE MAXIMUM WEIGHT (WET)	(HORIZONTAL CG) (WET)	(VERTICAL CG) (WET)	GENSET LENGTH
30	TAL042D	1050 KG [2315 LBS]	1032 [40.6]	819 [32.3]	1581 [62.3]



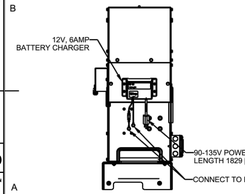
RIGHTSIDE VIEW



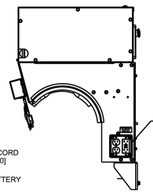
FRONT VIEW

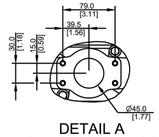


LEFTSIDE VIEW



SECTION B-B
BATTERY CHARGER
SCALE 0.08





DETAIL A
EXHAUST FLANGE
SCALE 0.25



VIEW C
BLOCK HEATER
SCALE 0.150

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	SEE SHEETS 1 & 3	JB2

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

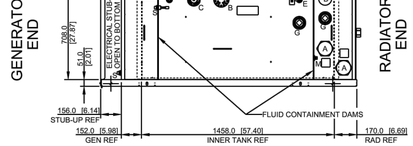
rehlko

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 2 OF 3

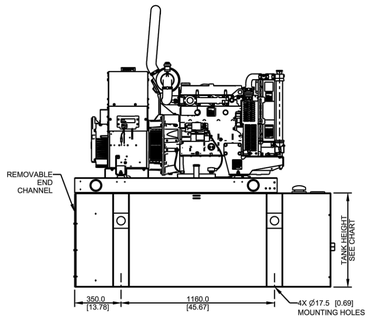
DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

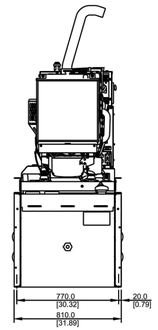


MODEL	TANK P/N	TANK HEIGHT	DESCRIPTION	ASSY WEIGHT
30	10503026800-KA1	711.2 [28.00]	STANDARD TANK, 147 GAL	465 KG [1005 LBS]

TANK FITTINGS:
A. 3" NPT EMERGENCY VENT FITTING PER NFPA 30 WITH VENT CAPS (QTY 2).
B. 2" NPT WATER TIGHT FUEL FILL FITTING WITH LOCKABLE CAP, AND 3" RISER.
C. 2" NPT FOR FUEL LEVEL SENDING UNIT WITH MECHANICAL INDICATOR NEEDLE.
D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND 5" RISER.
E. 1/2" NPT FITTING FOR REMOVABLE ENGINE SUPPLY DIP TUBE (3/8" NPT FEMALE WITH CHECK & FIRE SAFETY VALVES AND LOCKOUT COVER).
F. 1/2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 1/2" NPT PIPE PLUG).
G. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG) (QTY 2).
M. 1/2" NPT BASIN DRAIN (INSTALL STEEL 1/2" NPT PIPE PLUG)
S. 1/2" NPT FITTING FOR ENGINE FLUID CONTAINMENT BASIN FLOAT SWITCH (QTY 2).



RIGHTSIDE VIEW



FRONT VIEW

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	(D-6) FLUID CONTAINMENT DAMS NOTE ADDED, SEE SHEET 1.	JB2

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

rehlko

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 3 OF 3

DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

rehlko

KD30TC

60 HZ. DIESEL INDUSTRIAL GENERATOR SET
EMISSION DATA SHEET

ENGINE INFORMATION

Model:	S4S-Y361KGBE	Bore, mm (in.)	94 (3.70)
Nameplate BHP @ 1800 RPM:	46.4	Stroke, mm (in.)	120 (4.72)
Type:	4-Cycle, 4 Cyl., Inline	Displacement, L (cu. In.)	3.331 (203)
Aspiration:	Naturally Aspirated		
Compression Ratio:	22:1	EPA Family:	SMVXL03.3AAK
		EPA Certificate:	SMVXL03.3AAK-012

PERFORMANCE DATA:	
Engine bkW @ 1800 RPM	34.6
Fuel Consumption (Lph) @ 100% Load (Standby)	9.8
Exhaust Gas Flow (m^3/min)	7.0
Exhaust Temperature (°C)	550

EXHAUST EMISSION DATA:	EPA D2 Cycle 5-mode Weighted
NMHC	0.10
CO2	754
NOx (Oxides of Nitrogen as NO_2)	6.63
CO (Carbon Monoxide)	0.50
PM (Particulate Matter)	0.26

Values are in g/kWh unless otherwise noted

TEST METHODS AND CONDITIONS

The emission data listed is measured from a laboratory test engine according to the test procedures of 40 CFR 89 or 40 CFR 1039, as applicable. The test engine is intended to represent nominal production hardware, and there is no guarantee that every production engine will have identical test results. Emission results may vary due to engine manufacturing tolerances, engine operating conditions, fuels used, alternate test methods, or other conditions.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
COPYRIGHT © 2025 - STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.2

Clay & Bailey Mfg. Co.

A CENTURY'S WORTH OF INNOVATION

367 Male Thread High Flow Emergency Vent for Aboveground Storage Tanks



367 HF

Features:

All Aluminum Construction is lightweight for easy handling and installation. Also, no rust issues from scratches or weathering. Buna-N O Ring provides a vapor resistant seal. Spring Actuated Vent assures accurate opening pressure. Pressure relief set at <0.5 PSI. Clay & Bailey vents can be used in a variety of Aboveground Storage Tank Equipment installations where reliable fuel handling petroleum equipment is required.

Part #	Size	Weight /lbs.
0367-03-30HF	3"	3
0367-03-40HF	4"	4
0367-03-50HF	5"	5
0367-03-60HF	6"	6
0367-03-80HF	8"	7

Airflow

Size	W/Screen	W/O Screen
3"	66,400 SCFH	71,750 SCFH
4"	114,800 SCFH	118,750 SCFH
5"	184,500 SCFH	200,250 SCFH
6"	237,000 SCFH	251,700 SCFH
8"	500,552 SCFH	556,539 SCFH

c UL US LISTED

Clay & Bailey emergency vents comply with various codes – Petroleum Equipment Institute PEI RP200; Underwriters Laboratories Inc. UL-142, UL-2085, UL-2244, UL-2583; Underwriters Laboratories of Canada ULC-S601; National Fire Protection Agency NFPA 30, NFPA 30A; American Petroleum Institute API 2000.

Patent# 8171955

10/2018

Clay & Bailey Mfg. Co.

A CENTURY'S WORTH OF INNOVATION

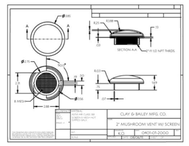
401 Mushroom Vent



401

Features:

Mushroom style free flow vent is made of cast iron with a 8 mesh galvanized screen. Domed vent top prevents tank contamination from entering vent lines. NPT thread is standard. Also available in galvanized. (Shown)



Cast iron Black

Part No.	Size	lbs	SCFH@ 2.5psi	A	B
0401-01-0750	3/4"	0.3	4,894	3/4"	1"
0401-01-1000	1"	0 5	8,711	1"	1 1/8"
0401-01-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-01-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-01-2000	2"	1.1	38,846	2"	1 11/16"
0401-01-4000	4"	2.5	54,873	4"	3"

Galvanized

Part No.	Size	lbs	2.5psi	A	B
0401-10-0750	3/4"	0.3	4,894	3/4"	1"
0401-10-1000	1"	0 5	8,711	1"	1 1/8"
0401-10-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-10-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-10-2000	2"	1.1	38,846	2"	1 11/16"
0401-10-4000	4"	2.5	54.873	4"	3"

Rochester Sensors
Engineering Innovative Solutions

Adjustable Liquid-Level Gauges

Applications

The 6500 Series Senior gauges are de signed for use in low pres sure tanks 0-25 psig [0-1,7Bar] containing diesel fuel, gasoline, fuel oil and lubricating oils.

Used in many ap pli ca tions such as con struc tion equip ment, sta tion ary gen er a tors, boats, farm equip ment and home heat ing,gauges may be easily converted remote output by simply installing the R3D replacement dial and plug-in Hall Effect sender module.

General Information & Features

The 6500 Series Adjustable Senior gauges are avail able in gear-action mod els for top mounting.

The standard float is nitrile rubber. The gauge is mount ed to a mating Se nior flange 2 1/2" bolt circle [63,5mm] using four 1/4"-28 x 9/16" long bolts. The gasket is Buna-N

Models #	Mounting	Dial, sender or Switch Data	Support Length "S"
6580-0151	Top	500250`379 Senior direct-reading fractional dial	3"
6540-00090		5880S02547P (0-90 Ohms)	3"
6540-00252		5AVHS03213P (240-30 Ohms)	3-5/8"



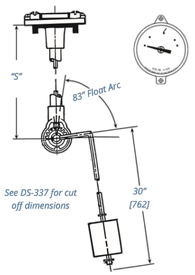
E. & O.E. ©Rochester Sensors.
Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

972-241-2161 | info@rochestersensors.com | RochesterSensors.com

Manufacturing Worldwide

Rochester Sensors
Engineering Innovative Solutions

Direct reading gauge with 5002501379 dial



TwinSite® Dial, 0-90 ohms & 240-30 ohms



Parts #	Description	Ohms
5880S0254	Wire Leads	0-90
5AVHS03213P	Wire Leads	240-30

General Specifications*

Accuracy
Accuracy depends upon proper gauge sizing. Senior dials ±7%, TwinSite® dials ±12%. Accuracy may be less depending upon tank shape. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

Temperature Range
-40°F to +158°F, -40°C to 70°C.

Humidity
Paint exposed portions of gauge, less dial, for marine applications.

Shock & Vibration
Suitable for mobile applications.

Power
0.5 watts maximum for TwinSite® versions.

Tank Pressure
Up to 25 psig [1,7 Bar]

Approvals
These direct indicating gauges are UL listed for flammable liquids. Some models UL recognized for marine service.

Note: For installation instructions see MS-501/502 (Mounting standards).

Materials of Construction*

Head
Die cast aluminium.
Centershaft, Support Tube & Float Rod
Tempered aluminum.
Gears, Cross Stud & Bearings
Stainless Steel.
Drive Magnet
Alnico.
Gear Housing
Acetal plastic or aluminum.
Float
Nitrile rubber
Gasket
Buna-N, 0015-00004 or 0015-00079
Direct Reading Dial
Aluminum with polycarbonate crystal, hermetically sealed.
Side Reading Dial
Aluminum with polycarbonate crystal, hermetically sealed.
TwinSite® Sender
Polyamide.
Mounting Bolts
Zinc-plated steel ¼ "-28 x 9/16" long.

When ordering, specify:

1. Gauge model number.
2. Tank diameter and riser height.
3. Mounting location.
4. Ohm range on Twinsite® versions.
5. Preferred switch on switch gauges, if other than standard.
6. Any listed options or preferences.

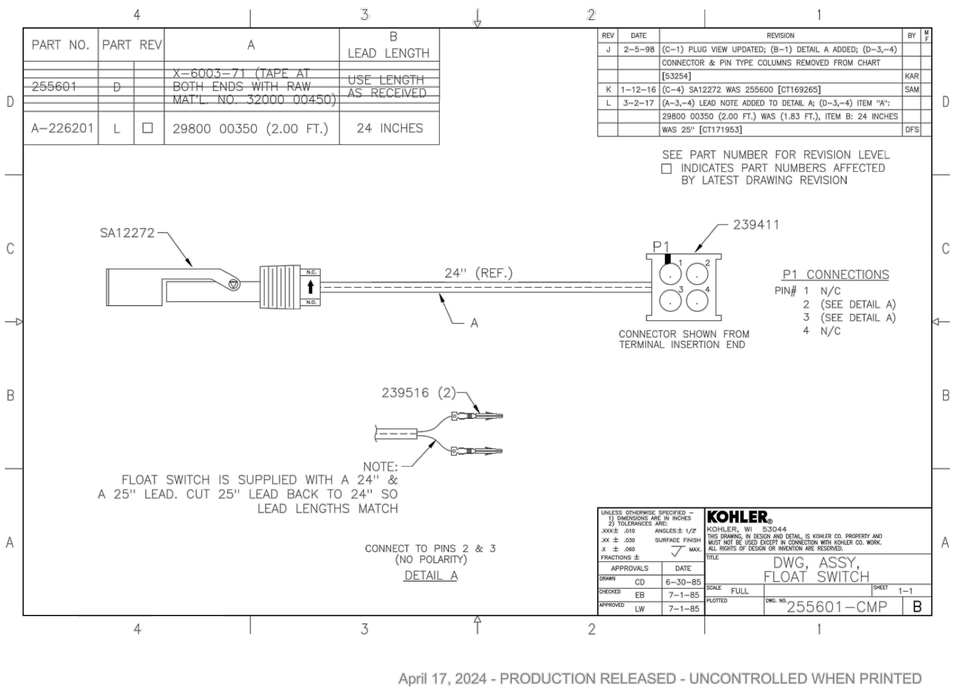
Note: Materials and specifications are subjected to change without notice. Pressure ratings subject to change due to temperature and other environmental considerations.

E. & O.E. ©Rochester Sensors.
Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

972-241-2161 | info@rochestersensors.com | RochesterSensors.com

Manufacturing Worldwide

KOHLER CO. CONFIDENTIAL INFORMATION



Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2729 SHADELANDS DR WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

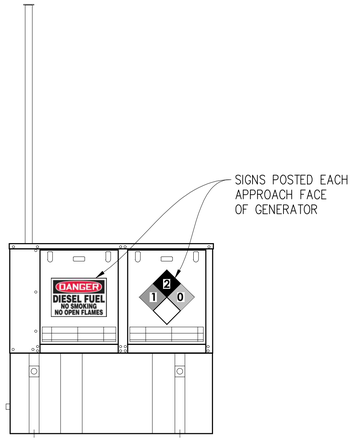
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY ENGINEER. Copyright © 2015 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

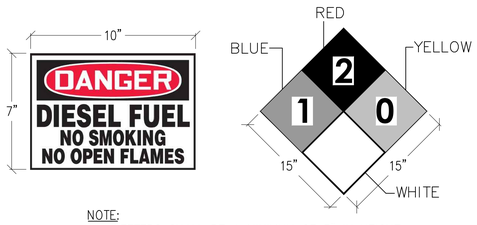
SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.3



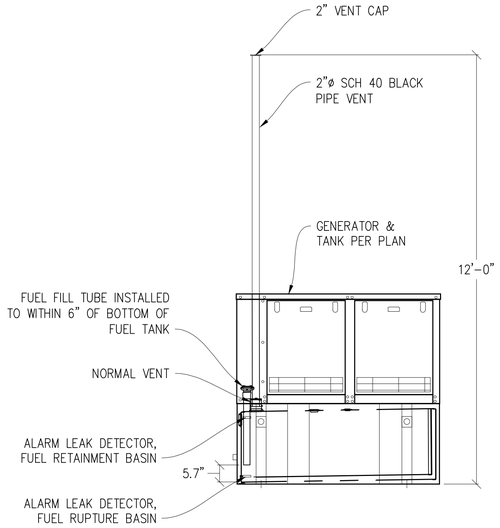


NOTE:
1. LETTERS SHALL BE A MINIMUM OF 3" IN HEIGHT
2. SIGN TO BE PLACED ON ALL SIDES OF GENERATOR
3. 10"x14" ALUMINUM NO SMOKING SIGN

1 GENERATOR SAFTEY SIGNAGE

NOT TO SCALE

NOTE:
FILL PIPE SHALL TERMINATE WITHIN 6" OF TANK BOTTOM



2 GENERATOR VENT & FILL DETAIL

½"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

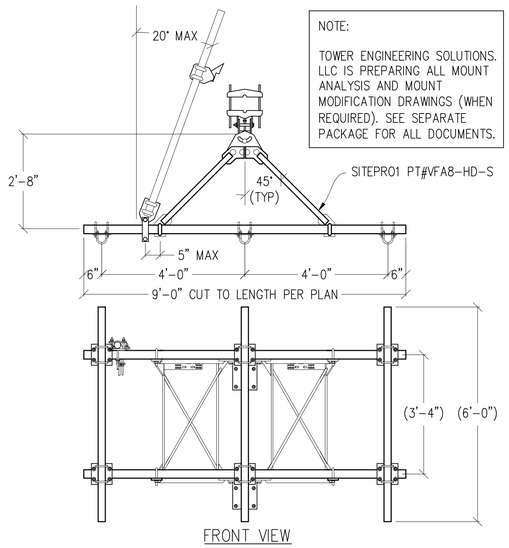
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE PLANS AND SPECIFICATIONS ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
Copyright © 2009 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

SHEET TITLE:

GENERATOR SPECIFICATIONS

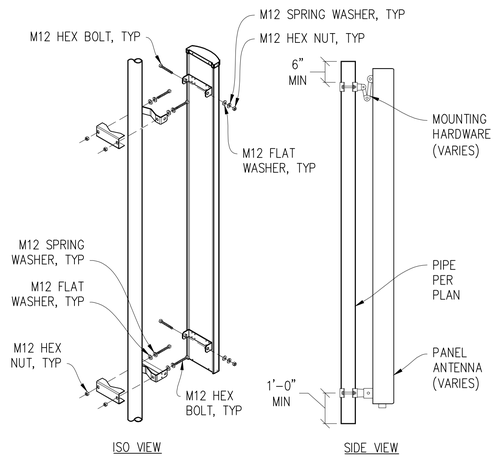
SHEET NUMBER:

A-5.4



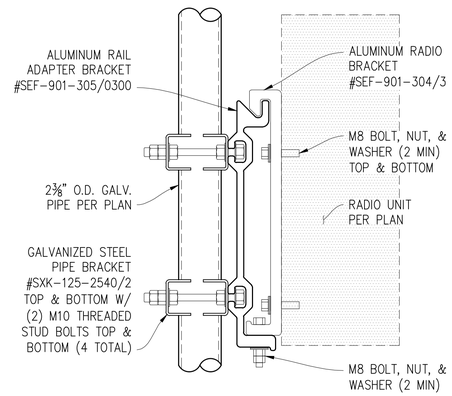
1 V-FRAME ASSEMBLY DETAIL

½"=1'-0"



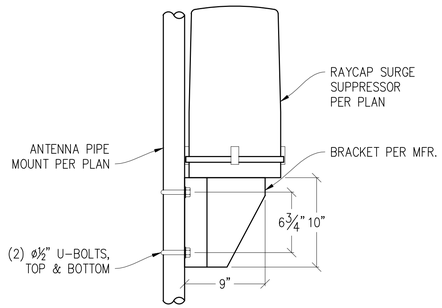
2 ANTENNA MOUNT

1"=1'-0"



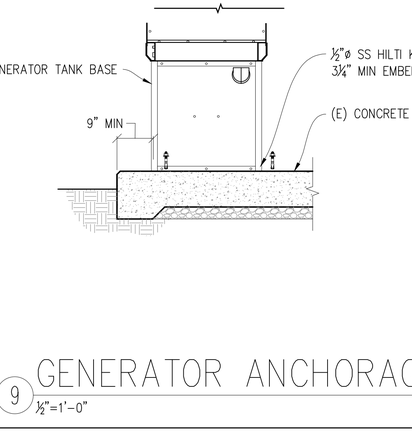
3 RADIO UNIT MOUNTING

3"=1'-0"



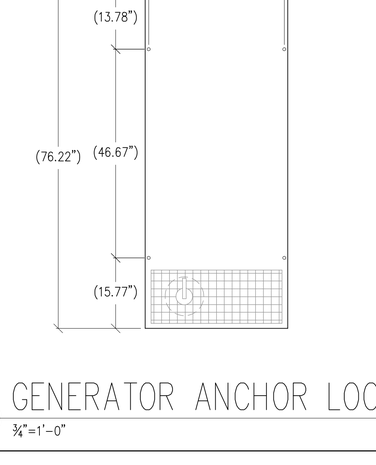
4 SURGE PIPE MOUNT

1½"=1'-0"



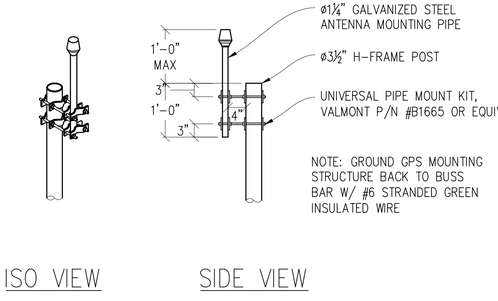
5 EQUIPMENT MOUNTING

3"=1'-0"



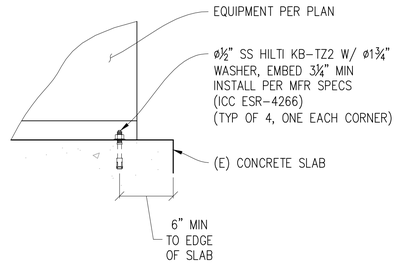
6 SURGE MOUNT

1½"=1'-0"



7 GPS MOUNT DETAIL

¾"=1'-0"



8 CABINET TO CONC

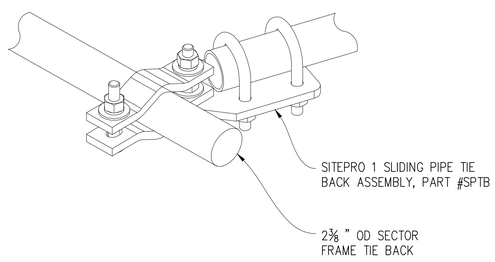
1½"=1'-0"

9 GENERATOR ANCHORAGE

½"=1'-0"

10 GENERATOR ANCHOR LOCATIONS

¾"=1'-0"



11 PIPE TIE BACK DETAIL

3"=1'-0"

WEIGHT: 88.49 LB

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 SPARKLEHORSE DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

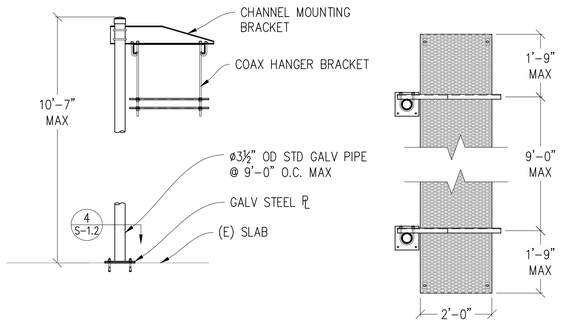
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

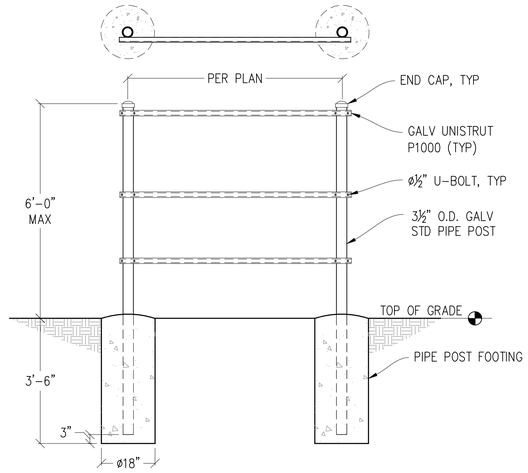
SHEET NUMBER:

S-1.1



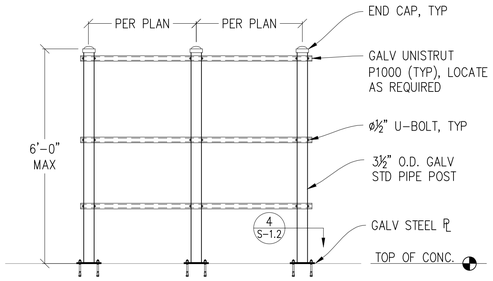
1 ICE BRIDGE DETAIL

½"=1'-0"



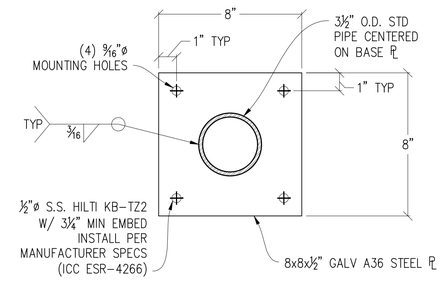
2 H-FRAME DETAIL

½"=1'-0"



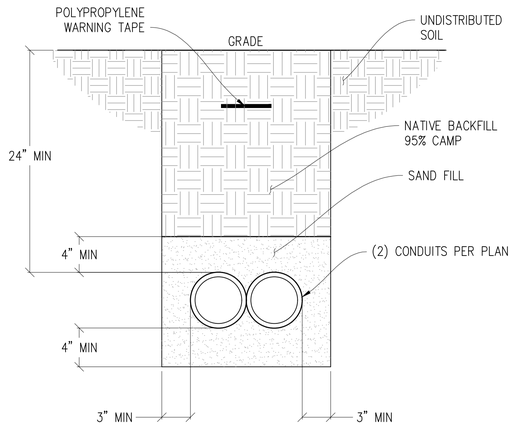
3 H-FRAME DETAIL

½"=1'-0"



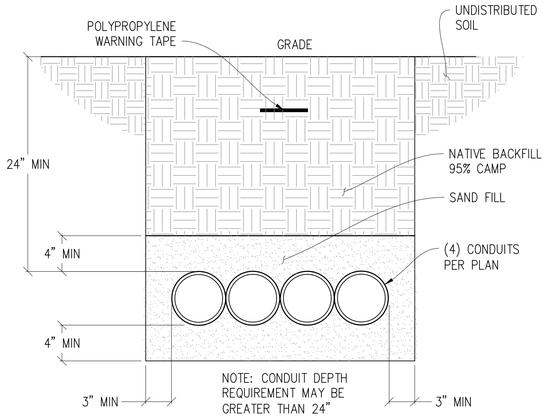
4 BASE PLATE DETAIL

3"=1'-0"



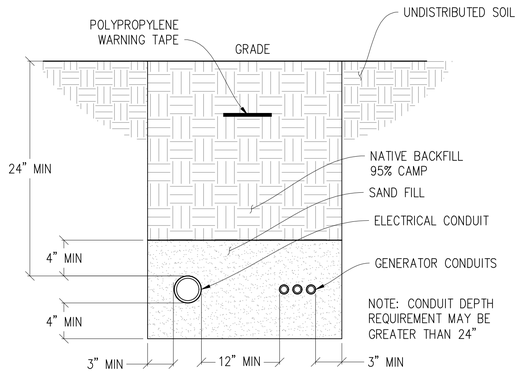
5 CONDUIT TRENCH DETAIL

1½"=1'-0"



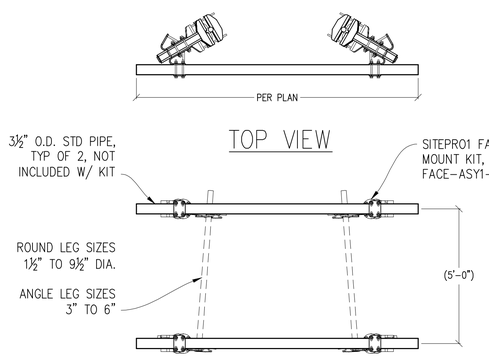
6 CONDUIT TRENCH DETAIL

1½"=1'-0"



7 CONDUIT TRENCH DETAIL

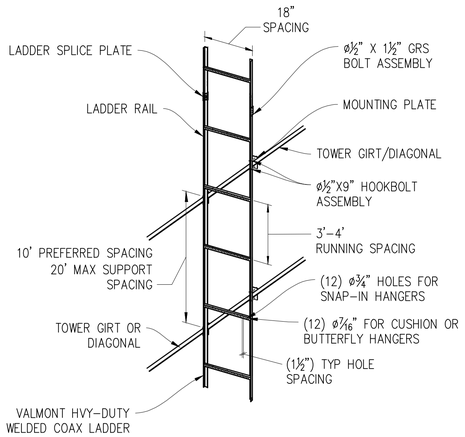
1½"=1'-0"



FRONT VIEW

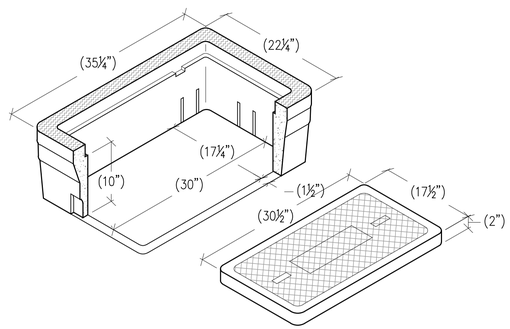
8 ANTENNA MOUNT

⅜"=1'-0" MAX WEIGHT: 530 LBS



9 CABLE LADDER TO TOWER

NOT TO SCALE



10 P36 SPLICE BOX

N.T.S.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

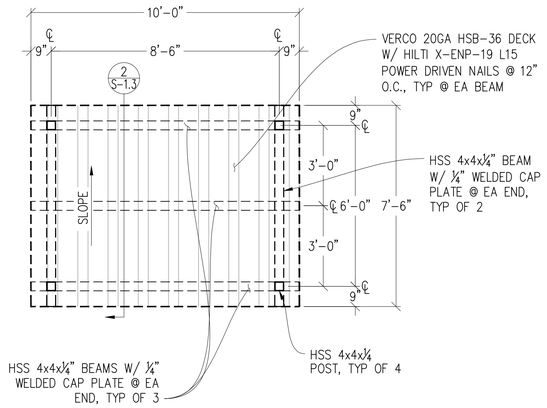
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OTHER THAN THE ENGINEER, OR THOSE AUTHORIZED BY THE ENGINEER, WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. Copyright © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

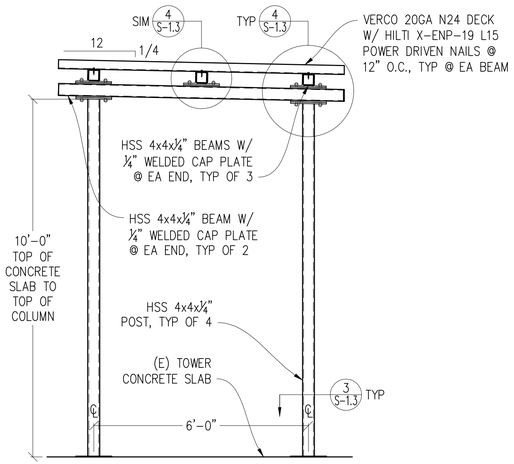
SHEET NUMBER:

S-1.2



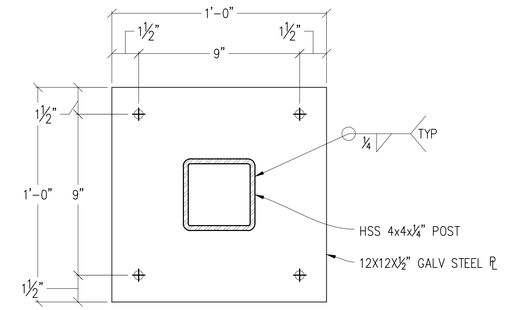
1 SHADE COVER ROOF PLAN

⅜"=1'-0"



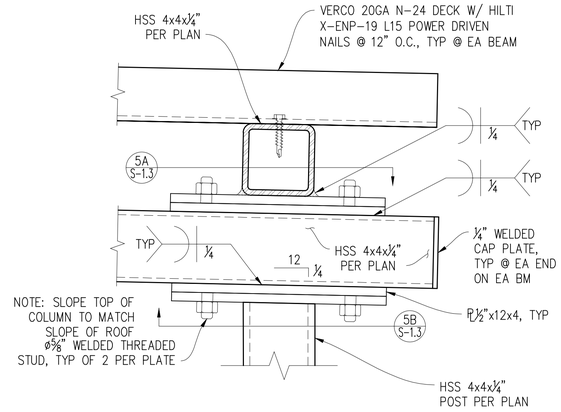
2 SHADE COVER ELEVATION

½"=1'-0"



3 BASE PLATE DETAIL

3"=1'-0"



4 PLATE DETAIL

3"=1'-0"

5 PLATE DETAIL

3"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC., WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS IS PROHIBITED. ENGINEER. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

SHEET NUMBER:

S-1.3

ELECTRIC LEGEND

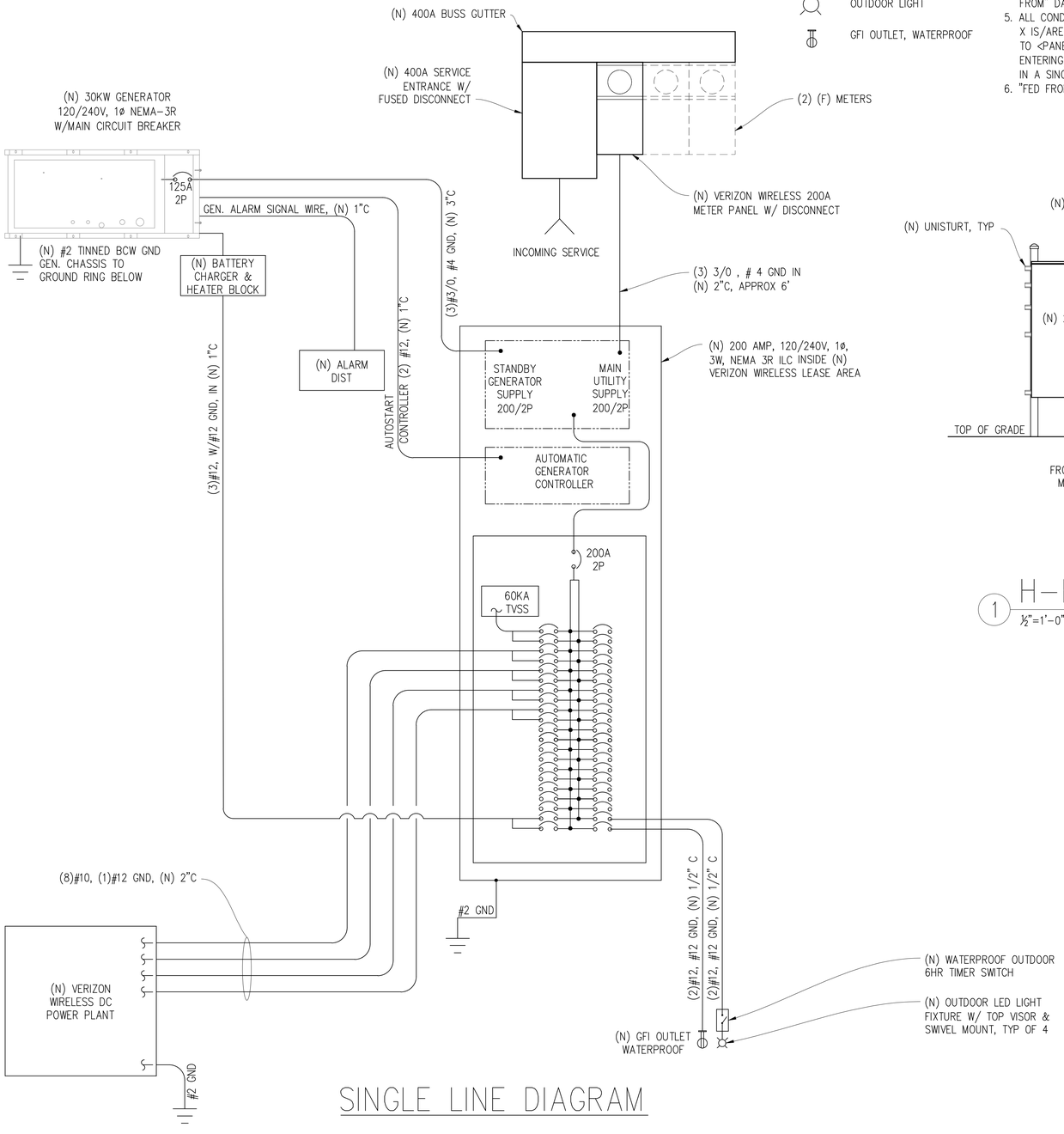
- METER
- CIRCUIT BREAKER
- SERVICE GROUND
- WIRED CONNECTION
- TIMER SWITCH, WATERPROOF
- OUTDOOR LIGHT
- GFI OUTLET, WATERPROOF

ELECTRICAL LABELING REQUIREMENTS

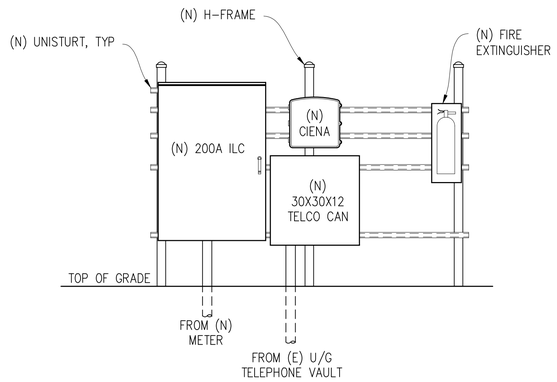
1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING. LABELS SHALL BE PERMANENT BLACK ON WHITE PEEL & STICK LABEL MAKER TYPE FOR ALL SWITCH & OUTLET PLATES, CONDUITS AND CEILING FIXTURES, AND SHALL BE PHENOLIC TAG TYPE FOR PANELS, XFMR's, PULL BOXES, ETC.; PHENOLIC TAGS SHALL BE RED IN COLOR WHERE BACKED UP BY GENERATOR
2. ALL PANELS, XFMR's AND PULL BOXES SHALL BE LABELED WITH DEVICE 'NAME', VOLTAGE(S), RATING FOR XFMR's, AND "FED FROM" DATA.
3. ALL SWITCH & OUTLET PLATES SHALL BE LABELED WITH "FED FROM" CIRCUIT DATA (PANEL NAME & CIRCUIT#); ALL GANG SWITCHES SHALL BEAR SWITCH NUMBERS BEGINNING W/#1 ON LEFT OF THE MAIN LIGHTING SWITCH FOR EACH ROOM FOR COORDINATION W/FIXTURE LABELS.
4. ALL (N) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE "FED FROM" DATA (SWITCH#)
5. ALL CONDUITS EXITING A PANEL BOARD SHALL BE LABELED "CIRCUIT(S) 'X'..." WHERE X IS/ARE THE BREAKER#(S). CONDUITS EXITING XFMR'S SHALL BE LABELED "FEEDER TO <PANEL, DEVICE>", E.G. "FEEDER TO PANEL <panel name>. CONDUITS ENTERING/EXITING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF OBVIOUS) W/"FED FROM..." & "TO PANEL/XFMR/..."DATA.
6. "FED FROM: DATA = <panel name> <brkr#> EG: "PANEL X/1,3,5")

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2022 CEC AS WELL AS ALL ADOPTED STANDARDS, APPLICABLE STATE AND LOCAL CODES.
2. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER PLAN SPECIFICATIONS.
4. ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED.
5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
6. ELECTRICAL WIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THW-2, INSULATION RATED FOR 90°C DRY OR 70°C WET.
7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
8. ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
9. A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
10. WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE AND HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.
11. WHERE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'MTS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING MEANS, AND AIC REQ'MT, AND SHALL OBTAIN CLARIFICATION FROM THE PROJECT ENGINEER ON ANY DEVIATIONS FOUND IN THESE PLANS.
12. WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2-WIRE, SHALL COMPLY WITH ARTICLE 720, AS FOLLOWS:
    A. POWER PLANT SHALL BE SUPPLIED BY THE WIRELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.
    B. CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN, CONDUCTORS FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.
    C. THERE ARE NO DC RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT. ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LUG TAP OR SOCKET TERMINATION ON AN INTEGRATED DC CIRCUIT BREAKER AT AN INDIVIDUAL RECTIFIER MODULE AND TERMINATE AT THE SPECIALIZED LUG ON THE RESPECTIVE APPLIANCE AS A SINGLE RUN OF WIRE WITHOUT SPLICES. ALL DC WIRING SHALL BE LABELED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC VOLTAGE.
    D. ALL CABLING SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.



SINGLE LINE DIAGRAM



1 H-FRAME ELEVATION

½"=1'-0"

PANEL SCHEDULE

NAMEPLATE : PANEL A			SC LEVEL : 22,000				VOLTS: 120V/240V, 1ø		
LOCATION : OUTSIDE							BUS AMPS: 200A		
MOUNTING : H-FRAME							MAIN CB: 200A		
ØA	ØB	LOAD DESCRIPTION	BKR AMP/ POLE	CIRCUIT NO		BKR AMP/ POLE	LOAD DESCRIPTION	ØA	ØB
LOAD VA	LOAD VA							LOAD VA	LOAD VA
30		SURGE ARRESTOR	60/2	1	2	–	BLANK		
	30	" "	" "	3	4	–	" "		
2292		(N) DC POWER PLANT	30/2	5	6	–	" "		
	2292	" "	" "	7	8	–	" "		
2292		" "	30/2	9	10	–	" "		
	2292	" "	" "	11	12	–	" "		
2292		" "	30/2	13	14	–	" "		
	2292	" "	" "	15	16	–	" "		
2292		" "	30/2	17	18	–	" "		
	2292	" "	" "	19	20	–	" "		
		BLANK	–	21	22	–	" "		
		" "	–	23	24	–	" "		
		" "	–	25	26	–	" "		
		" "	–	27	28	–	" "		
		" "	–	29	30	–	" "		
		" "	–	31	32	–	" "		
		" "	–	33	34	–	" "		
		" "	–	35	36	–	" "		
		" "	–	37	38	–	" "		
1000		(N) GEN. HEATER	20/1	39	40	20/1	LIGHTS		300
	300	(N) GEN. BATTERY CHARGER	20/1	41	42	20/1	GFI RECEPTACLE	180	
10198	9498	PHASE TOTALS					PHASE TOTALS	180	300
TOTAL VA =	20176	TOTAL AMPS =	84						
TOTAL KVA =	20.18								

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

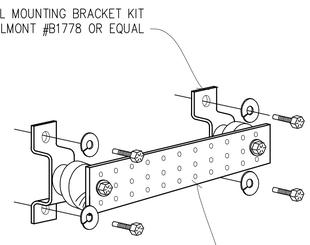
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT IS FOR WHICH THEY ARE MADE OR NOT. THEY ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELECTRICAL PLAN

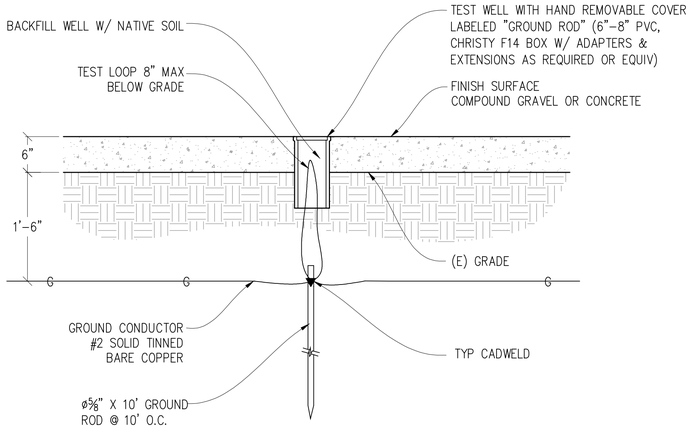
SHEET NUMBER:

E-1.1



1 GROUND BUSS DETAIL

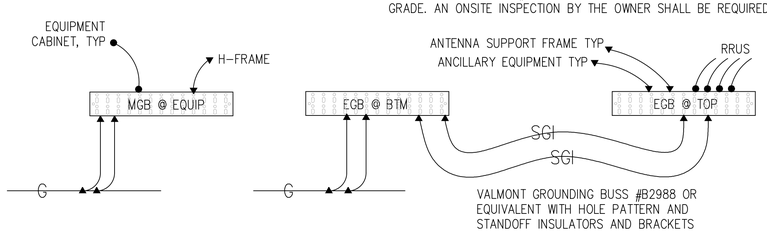
NOT TO SCALE

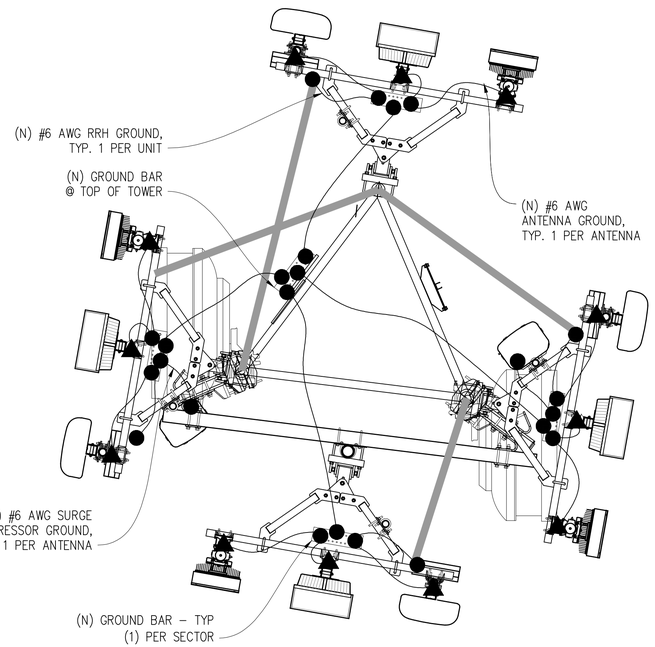


2 TEST WELL DETAIL

1"=1'

NOTE: THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS. THE GROUND RODS SHALL BE ⅝" X 10' COPPER CLAD STEEL SPACED AT 10' INTERVALS MAX. RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED BARE COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW GRADE. AN ONSITE INSPECTION BY THE OWNER SHALL BE REQUIRED PRIOR TO ANY BACKFILL.





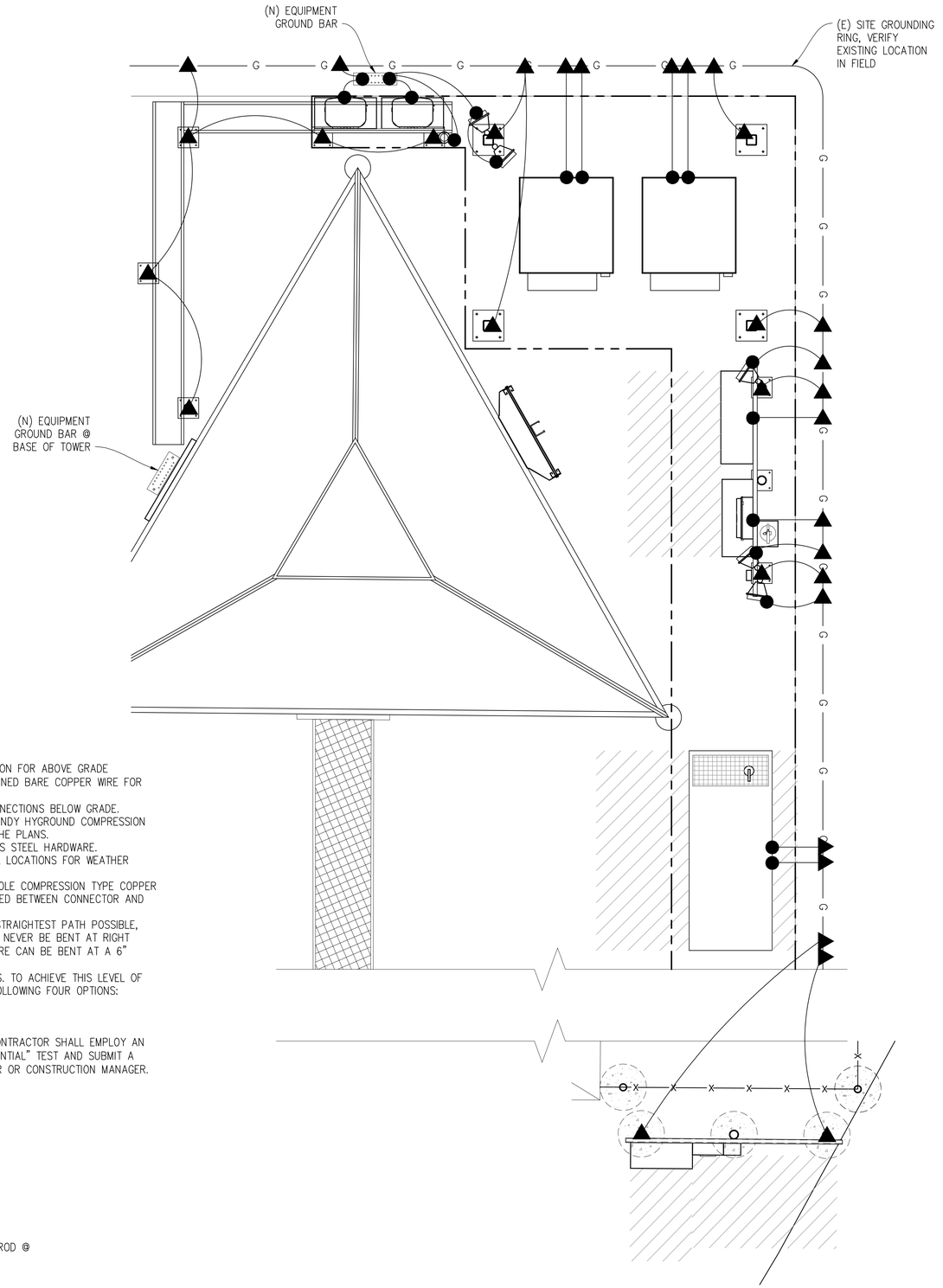
ANTENNA GROUNDING PLAN

GROUNDING NOTES

1. GROUNDING SHALL COMPLY WITH CEC ARTICLE 250.
2. USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
3. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
4. EXPOSED GROUNDING CONNECTIONS SHALL BE MADE WITH BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELDS AS SPECIFIED IN THE PLANS.
5. CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE.
6. APPLY BUTYL & ELECTRICAL TAPE OVER COLD SHRINK AT ALL LOCATIONS FOR WEATHER PROOFING OVER COAX GROUND KITS.
7. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS WITH STAR WASHERS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
8. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLES. ALWAYS MAKE A 12" RADIUS BEND, HOWEVER, #6 WIRE CAN BE BENT AT A 6" RADIUS WHEN NECESSARY.
9. THE SYSTEM GROUND RESISTANCE MUST BE 10 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:
   A. CONNECT TO EXISTING GROUNDING SYSTEMS
   B. CONNECT TO BUILDING STEEL COLUMNS
   C. INSTALL A NEW GROUNDING SYSTEM
   UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR CONSTRUCTION MANAGER.

GROUNDING LEGEND

●	MECHANICAL CONNECTION
▼	EXOTHERMIC CADWELD
—⊕—	TYP. CADWELD INSPECTION WELL
—⊕—	TYP ⅝" DIA. X 10'-0" LONG COPPER CLAD GROUND ROD @ 10' O.C. MAX & 18" MIN BELOW FINISH GRADE
◡	GATE GROUNDING STRAP
—G—	TYP #2 TINNED BCW UNDERGROUND GND RING @ 18" MIN BELOW FINISH GRADE
—SGI—	GROUND WIRE #2 STRANDED GREEN INSULATED WIRE



EQUIPMENT GROUNDING PLAN

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REPRODUCTION OF THESE PLANS IS PROHIBITED WITHOUT WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright © 2005, STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

GROUNDING PLAN & DETAILS

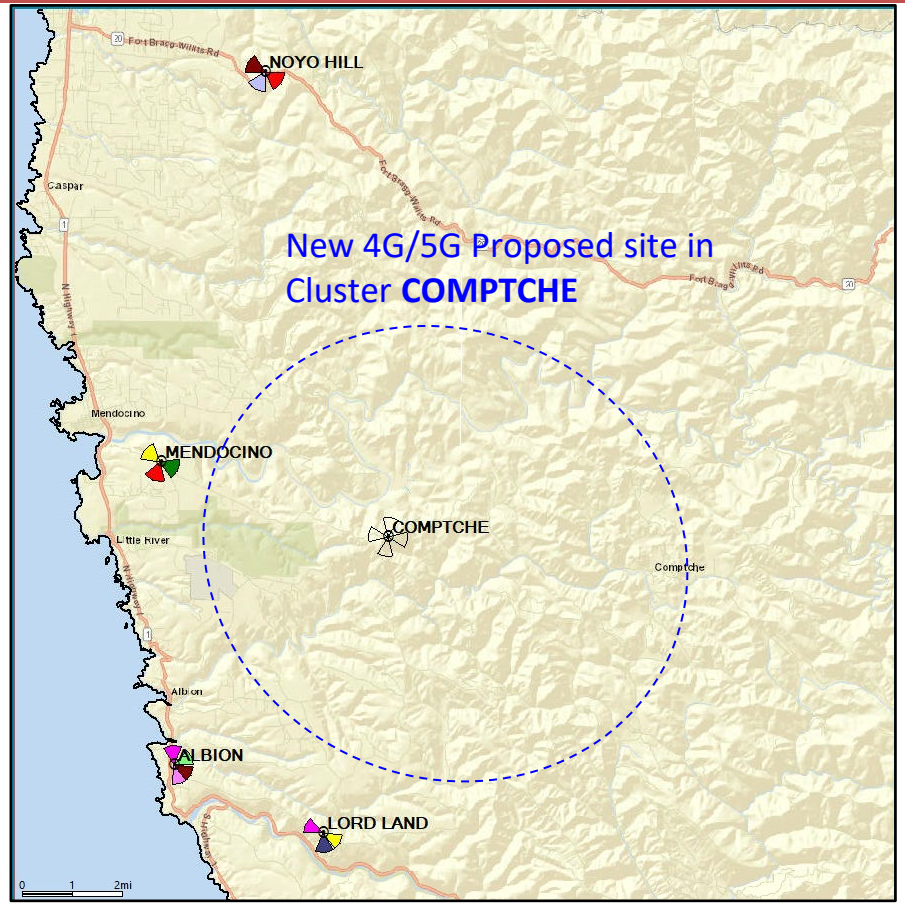
SHEET NUMBER:

E-1.2

Verizon Site: COMPTCHE
Site Justification

verizon

Map Overview:EXISTING + PLANNED VZW SITES in COMPTCHE CA



Proposed Site (In-Active)

Existing (On-Air)

verizon

Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

Coverage Objective : Proposed COMPTCHE in CA

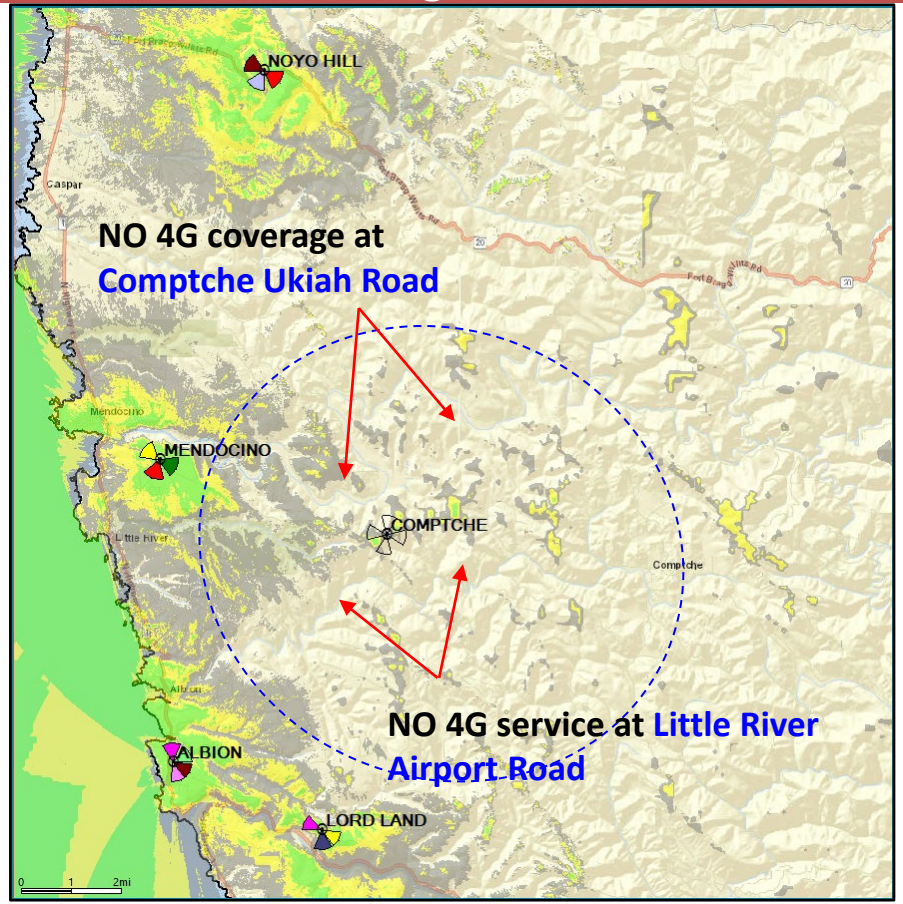
Verizon Wireless has Identified a **Coverage deficiency** in its Long-Term Evolution(**LTE)** Fifth Generation(5G) networks in **COMPTCHE located at 38351 Comptche Ukiah Road, Comptche, CA 95460**. This facility is designed to replicate roaming services provided by US Cellular to Verizon subscribers in this area. Existing roaming services will soon not be available to VZW users when a new carrier provider acquires the facility to take ownership.

Currently, Verizon's network has no existing wireless services in Comptche Ukiah Road and Little River Airport Road. The New facility will provide a dominant Radio Frequency(RF) Signal which will enhance end users Network Performance and Quality of Services(QoS) effectively throughout the area which also includes Emergency Services. Additionally, **5G C-Band** carrier addition will also be deployed to augment 5G footprint to our users.

Consequently, Verizon subscribers can anticipate an improvement in Services Availability, Reliability and Speed accuracy. By upgrading its network infrastructure, Verizon Wireless aims to provide Robust and Reliable wireless communication services, aligning with the high demand for Mobile Broadband Connectivity in **COMPTCHE.**

verizon

EXISTING 4G Coverage MAP: COMPTCHE CLUSTER



Proposed Site **(In-Active)**

Existing (On-Air)

>= -85dBm (INDOOR)

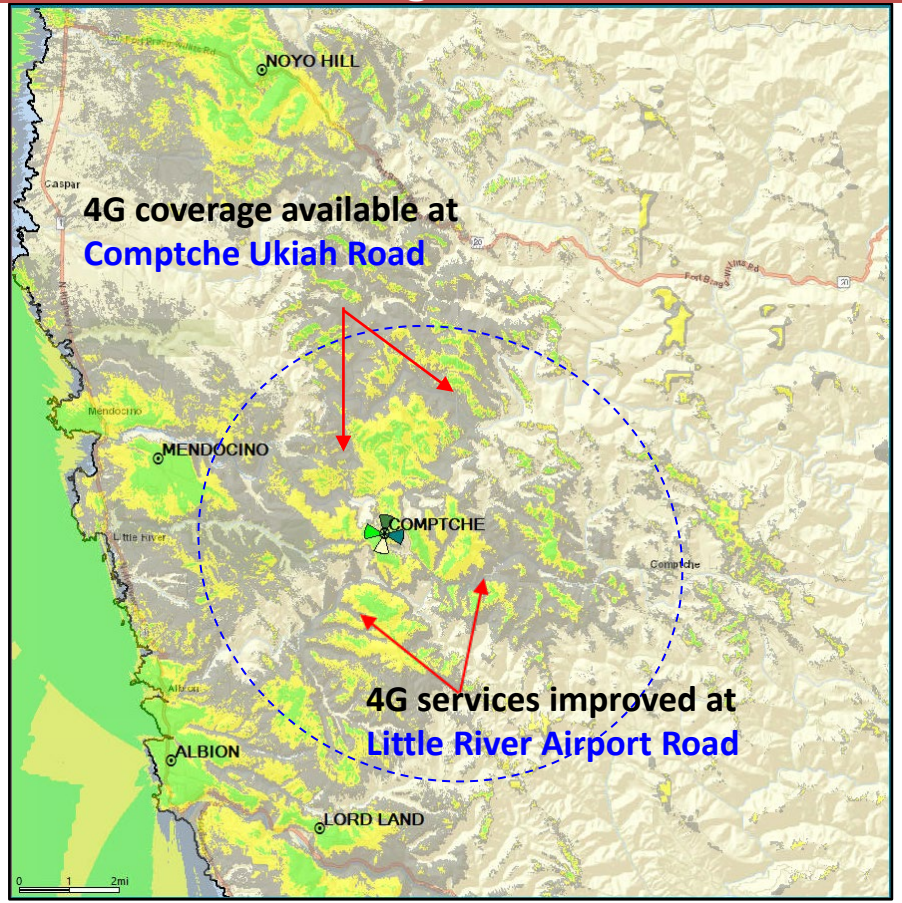
>= -95dBm (IN-VEHICLE)

>= -105dBm (OUTDOOR)

verizon

Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

FUTURE 4G Coverage MAP: COMPTCHE CLUSTER



Proposed Site **(Active)**

Existing (On-Air)

>= -85dBm (INDOOR)

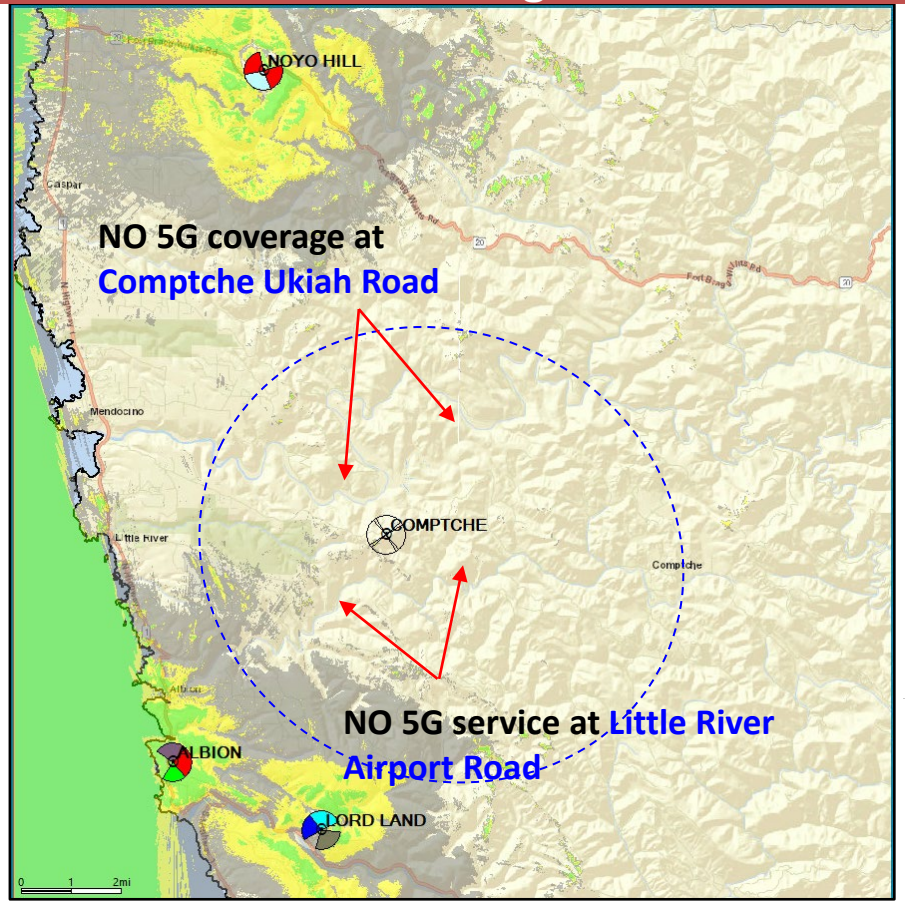
>= -95dBm (IN-VEHICLE)

>= -105dBm (OUTDOOR)

verizon

Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

EXISTING C-BAND 5G Coverage MAP: COMPTCHE,CLUSTER



Proposed Site **(In-Active)**

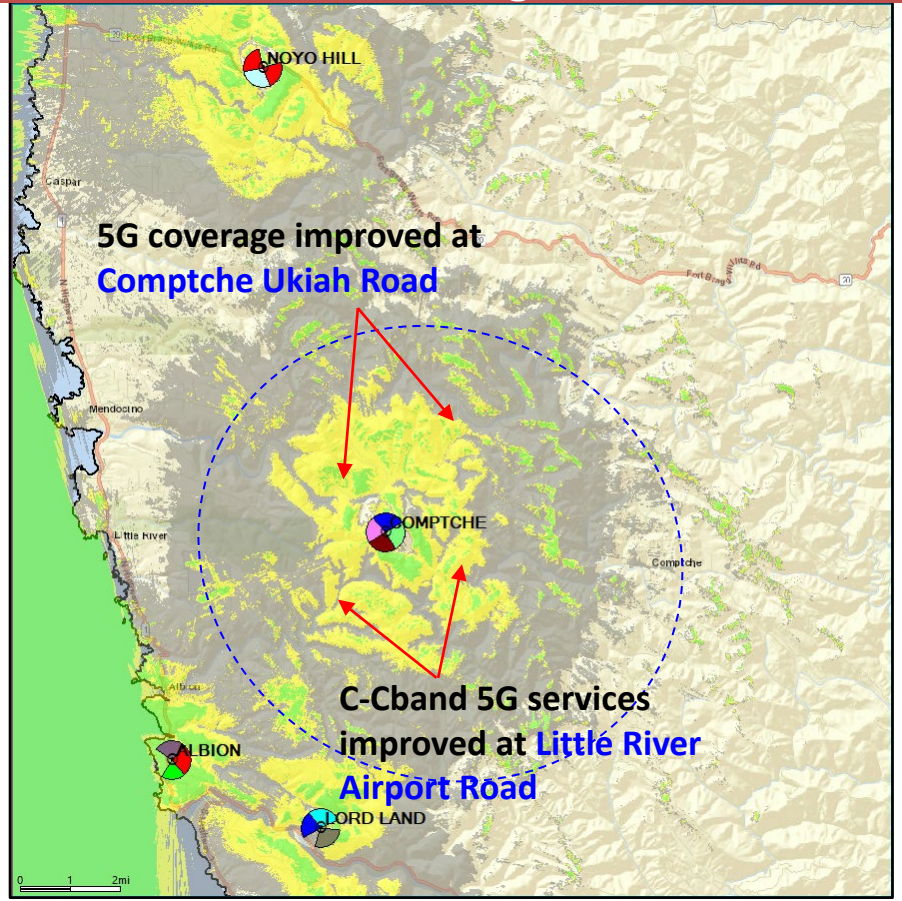
Existing (On-Air)

>= -85dBm (INDOOR)
>= -95dBm (IN-VEHICLE)
>= -105dBm (OUTDOOR)

verizon

Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

FUTURE C-BAND 5G Coverage MAP: COMPTCHE,CLUSTER



Proposed Site **(Active)**

Existing (On-Air)

>= -85dBm (INDOOR)

>= -95dBm (IN-VEHICLE)

>= -105dBm (OUTDOOR)

verizon

Confidential and proprietary materials for authorized Verizon personnel and outside agencies only. Use, disclosure or distribution of this material is not permitted to any unauthorized persons or third parties except by written agreement.

COMPLETE
Wireless Consulting, Inc.

October 23, 2025

Via Online Submittal

Mendocino County Planning & Building Services
860 N Bush St
Ukiah, CA 95482-3919
Attn: Julia Krog

RE: Application for an Administrative Use Permit at: 38351 Comptche Ukiah Road; APN:125-010-26; Verizon Site Name: Comptche (Perm)

Dear Ms. Krog,

This package is intended as a formal submittal for an Administrative Use Permit/6409 Eligible Facilities Request to collocate additional wireless equipment on the existing US Cellular wireless telecommunications facility located at the above-referenced location. The items listed below are enclosed, per the County's submittal requirements. Please note that an application for a Building Permit has been filed in conjunction with this application.

1. Project Application Form
2. 6409 EFR Cover Letter
3. Project Description Questionnaire
4. Site Plans
5. Indemnification agreement
6. Acknowledgement of Deposit/Hourly Fee
7. Certification and Site View Authorization/Mail Direction form
8. Letter of Authorization
9. RF Analysis
10. Coverage Maps
11. Acoustic Analysis
12. Underlying Leasing Agreement

Please do not hesitate to contact me directly with any questions or concerns regarding this application. I can be reached at mmoore@completewireless.net or by phone at 916-247-3047 should any issues arise.

Sincerely,

Matthew Moore

Verizon Wireless 60-Day Eligible Facility Request
Modification of Existing Wireless
Tower not in the Right-of-Way

Request Date: October 23, 2025

Jurisdiction: Mendocino County

Departments: Planning and Building Department

Site Address: 38351 Comptche Ukiah Road, Comptche, CA 95460

Verizon Wireless Contact: Matt Moore, Complete Wireless Consulting, Inc., mmoore@completewireless.net, (916) 247-3047

This document serves as Verizon Wireless's eligible facilities request to modify an existing wireless tower at the above-referenced site address. This eligible facilities request must be approved administratively under Section 6409 of the federal Spectrum Act and Federal Communications Commission ("FCC") rules. Review by the County is limited to determining whether the proposed modification qualifies as an eligible facilities request that does not substantially change the physical dimensions of the wireless tower. All permits necessary to commence construction must be approved within 60 days of the request date set forth above, subject to tolling for incompleteness.

For this request, Verizon Wireless attaches the following applications for all the permits required by the County to commence construction of the modification:

1. Planning Administrative Use Permit
2. Building permit

Verizon Wireless hereby requests that the County immediately provide a quote of application fees and payment options, which Verizon Wireless will pay promptly. Any delay by the County in quoting application fees or providing payment options will not toll today's commencement of the 60-day period.

Project Description

Please note that this is a proposal to install permanent ground and tower equipment on an existing facility that is located at the above-referenced address. The existing compound contains a 150' lattice tower with existing wireless antennas, an equipment shelter, one backup generator, and a propane tank.

In order to provide permanent service to this location, Verizon Wireless proposes install new antennas on the existing lattice tower at a centerlines of roughly 136' and 133' above ground level. Additionally, Verizon is proposing to install and two equipment cabinets and a 30kw standby diesel generator with a 147 gallon fuel tank, all to be placed within

the existing wireless compound. No additional changes are proposed for the modification and there will be no change to the overall height of the structure.

FCC Rules for Eligible Facilities Requests

The Spectrum Act states that "a State or local government may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station."[1] An "eligible facilities request" is defined to include any collocation, removal, or replacement of existing equipment.[2]

The FCC adopted rules providing legally binding guidance on key terms of the Spectrum Act, notably defining "substantial change" with the six thresholds described below.[3] The FCC requires that qualifying eligible facilities requests be approved within 60 days, subject to tolling for incompleteness.[4] The 60-day period begins when an applicant takes the first procedural step required by a local government, and submits written documentation.[5] The only submittal documents a local government can require are those relevant to determining if a proposed modification qualifies as an eligible facilities request.[6] If a local government does not render a decision within the 60-day period, an eligible facilities request can be deemed granted by operation of law.[7]

The Proposed Modification Does Not Constitute a "Substantial Change"

Below are the FCC's six "substantial change" thresholds for a wireless tower not in the right-of-way,[8] each followed by an explanation that the proposed modification does not exceed that threshold.

1) It increases the height of the tower by more than 10% or by the height of one additional antenna array with separation from the nearest existing antenna not to exceed twenty feet, whichever is greater.

   Verizon does not propose to increase the height of the facility. Please see the A-3.1 sheet of the attached site plans for further details.

2) It involves adding an appurtenance to the body of the tower that would protrude from the edge of the tower more than twenty feet, or more than the width of the tower structure at the level of the appurtenance, whichever is greater.

   Verizon's proposed antennas will be installed on mounts attached directly to the lattice tower and will not extend more than 20' from the structure. Please see the A-3.1 sheet of the attached site plans for further details.

3) It involves the installation of more than the standard number of new equipment cabinets for the technology involved, but not to exceed four.

Verizon is proposing to add two equipment cabinets and an emergency backup generator with a fuel tank. This does not exceed four cabinets, even if the generator is counted as a cabinet, and therefore complies with this requirement. Please see the A-1.1 sheet of the attached site plans for further details.

4) It entails any excavation or deployment of transmission equipment outside of the current site by more than 30 feet in any direction. The site boundary from which 30 feet is measured excludes any access or utility easements currently related to the site. The "site" is as defined at 47 C.F.R. § 1.6100(b)(6).

Verizon's proposed new equipment is contained within the existing US Cellular fenced compound and therefore complies with this requirement. Please see the A-1.1 sheet of the attached site plans for further details.

5) Would defeat the concealment elements of the eligible support structure.

The existing facility consists of a 150' tall lattice tower, and Verizon is not seeking to change this design or increase the height of the tower.

6) Does not comply with conditions associated with the siting approval of the construction or modification of the existing facility, unless the non-compliance is due only to a change in height, width, etc., that does not exceed the first four thresholds.

This proposal complies with all pre-existing conditions of approval that are applicable to an Eligible Facilities request.

Verizon Wireless is providing a radio frequency exposure compliance report prepared by EBI Consulting that confirms that the temporary facility, as modified, will continue to comply with the FCC's radio frequency exposure limits.

In sum, the modification clearly qualifies as an "eligible facilities request" under the Spectrum Act and FCC rules, because it does not exceed any of the thresholds such that it would "substantially change" the physical dimensions of the existing wireless tower. Failure to process this eligible facilities request and approve all necessary permits within 60 days may result in the request being deemed granted by operation of law.

---

[1] 47 U.S.C. § 1455(a)(1).
[2] 47 U.S.C. § 1455(a)(2).
[3] *See* Report and Order FCC 14-153, 29 FCC Rcd. 12865 (FCC October 17, 2014); *see also* Report and Order FCC 20-153, 85 FR 78005 (FCC October 27, 2020).
[4] *See* 47 C.F.R. § 1.6100(c)(2), (3).
[5] Declaratory Ruling FCC 20-75, 35 FCC Rcd 5977, ¶ 16 (FCC June 9, 2020).

[6] *See* 47 C.F.R. § 1.6100(c)(1).
[7] *See* 47 C.F.R. § 1.6100(c)(4).
[8] *See* 47 C.F.R. § 1.6100(b)(7).

Radio Frequency Electromagnetic Energy (RF-EME) Report

Prepared for Verizon Wireless

Site name:	Comptche
Verizon Wireless Site number:	617478248
EBI site number:	058467-PR
Address:	38351 Comptche Ukiah Road, Comptche, California, 95460
Latitude:	39.2742
Longitude:	-123.6883
Structure Type:	lattice
Report Writer:	Joe Vitulli
Original Report Date:	24 July 2025



Prepared by EBI Consulting

EBI | BUILDING VALUE SUSTAINABLY

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Table of Contents

Executive summary 3

1. Site Description 4

2. Worst-Case Predictive Modeling 7

Compliance simulation software 7

Other Carrier Antennas 7

Modeling Results 7

3. Mitigation/Site Control Options 9

4. Summary and Conclusions 10

5. Limitations 11

Appendix A – Certifications 12

Appendix B – Radio Frequency Electromagnetic Energy Safety Information and Signage Plans 15

a. Site Mitigation Diagram (Signage/Barriers) 18

Appendix C – Federal Communications Commission (FCC) Requirements 20

Executive summary

Purpose of Report

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by Verizon Wireless to conduct radio frequency electromagnetic (RF-EME) modeling for Verizon Wireless facility ("facility.") located at 38351 Comptche Ukiah Road, Comptche, California, to determine RF-EME exposure levels from proposed **Verizon** telecommunications equipment at this site. As described in greater detail in Appendix C – Federal Communications Commission (FCC) Requirements of this report, the FCC has developed Maximum Permissible Exposure (MPE) Limits for the general population and for occupational activities. The FCC requires wireless system operators to perform an assessment of potential human exposure to RF fields emanating from all transmitting antennas at a site whenever antenna operations are added or modified, and to ensure compliance with the MPE limit in the FCC regulations. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME regulations/compliance standards

This report describes modeling calculations of RF levels associated with the existing and proposed antennas. We have performed 3-dimensional modeling calculations to account for the effects of the antennas at all roof level(s) and at street level employing standard FCC mathematical models for calculating the effects of the antennas in a conservative manner. Therefore, our results provide worst-case RF levels to ensure the conclusions are conservative with regard to compliance with the FCC limit for safe continuous exposure.

Statement of Compliance

There is an existing other antenna carrier (Unknown) at the Site to include in the compliance assessment. Note that FCC regulations require any future antenna collocators to assess and assure continuing compliance based on the cumulative effects of all then-proposed and then-existing antennas at the Site. As presented in the sections below, our conclusions are based on worst-case modeling calculations related to the existing and proposed antennas.

At ground level, the maximum cumulative exposure level from all carriers this Site is approximately 3.169 percent of the FCC's general population limit (0.6338 percent of the FCC's occupational limit).

Notwithstanding, workers climbing the lattice tower should be informed about the presence and locations of antennas and their associated fields. Due to the use of such conservative calculations for purposes of our analysis, it should be noted that the exposure levels actually caused by the antennas will likely be less significant than the calculated results herein.

As the site is in compliance with applicable FCC limits as designed, there are no additional control measures required (See Section 3). Notwithstanding, it is also recommended that in connection with a lockout/tagout procedure, any non-Verizon Wireless worker/contractor who will be working on the lattice tower contact Verizon Wireless since only Verizon Wireless has the ability to lockout/tagout the Facility, or to authorize others to do so.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

1. Site Description

This project site includes the following **Verizon** wireless telecommunication antennas on a lattice located at 38351 Comptche Ukiah Road, Comptche, California.

Ant ID	Owner	Antenna model	Mech. Downtilt (°)	Azimuth (°)	Height (ft)	Technology and Frequency (MHz)	Elec. Tilt (°)	HBW (°)	Aperture (feet)	Tx (#)	Total Power Input (Watts)*	Antenna Gain (dBd)	Total ERP (Watts)
VZW A1	Verizon	MX04FRO645-02E	0	10	136	LTE 700	2 to 12	45	6	4	240	13.85	5823.86
VZW A1	Verizon	MX04FRO645-02E	0	10	136	LTE 850	2 to 12	39	6	4	240	14.65	7001.82
VZW A2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	10	136	LTE 1900	2	121.7	3.94	2	160	20.41	17584.09
VZW A2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	10	136	LTE 2100	2	121.1	3.94	1	160	21.01	20189.24
VZW A3	Verizon	AIR 6419 B77D Envelope	0	10	136	3.7GHz	2	104.7	2.35	4	320	22.35	43666.66
VZW B1	Verizon	MX04FRO645-02E	0	100	136	LTE 700	2 to 12	45	6	4	240	13.85	5823.86
VZW B1	Verizon	MX04FRO645-02E	0	100	136	LTE 850	2 to 12	39	6	2	240	14.65	7001.82
VZW B2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	100	136	LTE 1900	2	121.7	3.94	1	160	20.41	17584.09
VZW B2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	100	136	LTE 2100	2	121.1	3.94	4	160	21.01	20189.24
VZW B3	Verizon	AIR 6419 B77D Envelope	0	100	136	3.7GHz	2	104.7	2.35	4	320	22.35	43666.66
VZW C1	Verizon	MX04FRO645-02E	0	190	136	LTE 700	2 to 12	45	6	2	240	13.85	5823.86
VZW C1	Verizon	MX04FRO645-02E	0	190	136	LTE 850	2 to 12	39	6	1	240	14.65	7001.82
VZW C2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	190	136	LTE 1900	2	121.7	3.94	4	160	20.41	17584.09
VZW C2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	190	136	LTE 2100	2	121.1	3.94	4	160	21.01	20189.24
VZW C3	Verizon	AIR 6419 B77D Envelope	0	190	136	3.7GHz	2	104.7	2.35	2	320	22.35	43666.66
VZW D1	Verizon	MX04FRO645-02E	0	280	136	LTE 700	2 to 12	45	6	1	240	13.85	5823.86
VZW D1	Verizon	MX04FRO645-02E	0	280	136	LTE 850	2 to 12	39	6	4	240	14.65	7001.82
VZW D2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	280	136	LTE 1900	2	121.7	3.94	4	160	20.41	17584.09
VZW D2	Verizon	AIR 3283 B25 B66 32 Ports Envelope	0	280	136	LTE 2100	2	121.1	3.94	2	160	21.01	20189.24
VZW D3	Verizon	AIR 6419 B77D Envelope	0	280	136	3.7GHz	2	104.7	2.35	1	320	22.35	43666.66
UNK 1 A1	Unknown	PentaBandPanel short	0	10	147	LTE 700	2	66	6.55	-	160	13.35	3460.35
UNK 1 A1	Unknown	PentaBandPanel short	0	10	147	PCS1900	2	60	6.55	-	160	14.65	4667.88
UNK 1 A2	Unknown	PentaBandPanel short	0	10	147	LTE 850	2	64	6.55	-	160	13.85	3882.58
UNK 1 A2	Unknown	PentaBandPanel short	0	10	147	LTE 2100	2	60	6.55	-	160	14.65	4667.88
UNK 1 B1	Unknown	PentaBandPanel short	0	100	147	LTE 700	2	66	6.55	-	160	13.35	3460.35

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Ant ID	Owner	Antenna model	Mech. Downtilt (°)	Azimuth (°)	Height (ft)	Technology and Frequency (MHz)	Elec. Tilt (°)	HBW (°)	Aperture (feet)	Tx (#)	Total Power Input (Watts)*	Antenna Gain (dBd)	Total ERP (Watts)
UNK 1 B1	Unknown	PentaBandPanel short	0	100	147	PCS1900	2	60	6.55	-	160	14.65	4667.88
UNK 1 B2	Unknown	PentaBandPanel short	0	100	147	LTE 850	2	64	6.55	-	160	13.85	3882.58
UNK 1 B2	Unknown	PentaBandPanel short	0	100	147	LTE 2100	2	60	6.55	-	160	14.65	4667.88
UNK 1 C1	Unknown	PentaBandPanel short	0	190	147	LTE 700	2	66	6.55	-	160	13.35	3460.35
UNK 1 C1	Unknown	PentaBandPanel short	0	190	147	PCS1900	2	60	6.55	-	160	14.65	4667.88
UNK 1 C2	Unknown	PentaBandPanel short	0	190	147	LTE 850	2	64	6.55	-	160	13.85	3882.58
UNK 1 C2	Unknown	PentaBandPanel short	0	190	147	LTE 2100	2	60	6.55	-	160	14.65	4667.88

*A duty cycle of 80% has been applied to all CBRS, mmWave and C-Band technologies. This is reflected in the total ERP.

Ant ID	Owner	Radiation CL Height (ft)	Z-Height Equipment Shelter	Z-Height Ground
VZW A1	Verizon	136	124.00	136.00
VZW A2	Verizon	136	124.00	136.00
VZW A3	Verizon	136	124.00	136.00
VZW B1	Verizon	136	124.00	136.00
VZW B2	Verizon	136	124.00	136.00
VZW B3	Verizon	136	124.00	136.00
VZW C1	Verizon	136	124.00	136.00
VZW C2	Verizon	136	124.00	136.00
VZW C3	Verizon	136	124.00	136.00
VZW D1	Verizon	136	124.00	136.00
VZW D2	Verizon	136	124.00	136.00
VZW D3	Verizon	136	124.00	136.00
UNK 1 A1	Unknown	147	135.00	147.00
UNK 1 A2	Unknown	147	135.00	147.00
UNK 1 B1	Unknown	147	135.00	147.00
UNK 1 B2	Unknown	147	135.00	147.00
UNK 1 C1	Unknown	147	135.00	147.00
UNK 1 C2	Unknown	147	135.00	147.00

Note the Z-Height represents the distance from the antenna centerline.

The above tables contain an inventory of proposed Verizon Antennas and other carrier antennas if sufficient information was available to model them. Note that EBI uses an assumed set of antenna specifications and powers for unknown and other carrier antennas for modeling purposes. The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general population/uncontrolled exposure limits for members of the

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

general public that may be exposed to antenna fields. While access to this site is considered controlled, the analysis has considered exposures with respect to both controlled and uncontrolled limits as an untrained worker may access adjacent rooftop locations. Additional information regarding controlled/uncontrolled exposure limits is provided in Appendix C. Appendix B presents a site safety plan that provides a plan view of the lattice with antenna locations.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

2. Worst-Case Predictive Modeling

This section provides details of the installation that the compliance assessment is performed for. Information about the compliance calculation software utilized, predicted emission results and antenna safety setbacks are included.

Compliance simulation software

The IXUS electromagnetic field (EMF) calculation software was used to assess all the RF field levels presented in this study. IXUS (https://ixusapp.com/) is a software product of Alphawave Mobile Network Products (Pty) Ltd, who specialize in electromagnetic software and systems. The IXUS software uses a fast and accurate EMF calculation tool that allows for the determination of RF field strength in the vicinity of radio communication base stations and transmitters. At its core, the IXUS EMF calculation module implements field evaluation techniques detailed in the ITU-T K.61, CENELEC 50383, and IEC62232 specifications. The calculation of EMF results at any point in 3-D space is achieved by either a synthetic ray tracing technique, a conservative cylindrical envelope method, or through full-wave EM simulation results obtained from a computational electromagnetic software tool.
The selection of the solution method is determined by the specific antenna being considered. In addition, a conservative and verified modelling technique for 5G beamforming antennas in IXUS is used. The simulation accuracy of the IXUS calculation module has been verified extensively with full-wave EM simulations.

IXUS version number: 4.14 (0)2025.1.0 (Calculator: 2025.1).
Compliance exposure standard: FCC OET 65.

The parameters used for modeling are summarized in the Site Description antenna inventory table in Section 1.

Other Carrier Antennas

As noted above, T-Mobile also has antennas on the lattice tower. To the extent known, information about these antennas was included in the modeling analysis. Conservative modeling specifications were used for these antennas and was included in the modeling analysis. As noted above, to the extent any antennas were unknown, EBI used a conservative/worst-case assumed set of antenna specifications and powers.

Modeling Results

At ground level the maximum cumulative exposure level from all carriers this Site is approximately 3.169 percent of the FCC's general population limit (0.6338 percent of the FCC's occupational limit). Notwithstanding, workers climbing the lattice tower should be informed about the presence and locations of antennas and their associated fields.

A site would be considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

There are no modeled areas on the ground that exceed the FCC's limits for general population or occupational exposure in front of the other carrier antennas.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

The inputs used in the modeling are summarized in the Site Description antenna inventory table in Section 1. Signage recommendations based on the IXUS™ modeling results are presented in Appendix B.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

3. Mitigation/Site Control Options

EBI's modeling indicates that there are no areas in front of the Verizon antennas that exceed the FCC standards for occupational or general public exposure. All exposures above the FCC's safe limits require that individuals be elevated above the ground. In accordance with the official Verizon Wireless Signage and Demarcation Policy for tower structures, no signage is recommended at this site.

These protocols and recommended control measures have been summarized and included with a graphic representation of the antennas and associated signage and control areas in a RF-EME Site Safety Plan, which is included as Appendix B. Individuals and workers accessing the lattice should be provided with a copy of the attached Site Safety Plan, made aware of the posted signage, and signify their understanding of the Site Safety Plan.

To reduce the risk of exposure, EBI recommends that access to areas associated with the active antenna installation be restricted and secured where possible. All persons accessing elevated positions on adjacent structures (ex. rooftop, utility pole, monopole, etc.) along with nearby elevated features, such as trees, within areas exceeding the general public MPE, must be made aware of the presence and locations of antennas and their associated fields, where applicable.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

4. Summary and Conclusions

EBI has prepared a Radiofrequency – Electromagnetic Energy (RF-EME) Compliance Report for telecommunications equipment installed by Verizon Wireless, located in Comptche, California, 95460, to determine worst-case predicted RF-EME exposure levels from wireless communications equipment installed at this site. This report summarizes the results of RF-EME modeling in relation to relevant Federal Communications Commission (FCC) RF-EME compliance standards for limiting human exposure to RF-EME fields.

As presented in the sections above, based on the FCC criteria, there are no modeled areas on any accessible ground level walking/working surface related to the Verizon antennas that exceed the FCC's occupational or general public exposure limits at this site.

Workers should be informed about the presence and locations of antennas and their associated fields. Recommended control measures are outlined in Appendix B – Radio Frequency Electromagnetic Energy Safety Information and Signage Plans; **Verizon Wireless** should also provide procedures to shut down and lockout/tagout this wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas of exceedance are required to contact **Verizon Wireless** since only **Verizon Wireless** has the ability to lockout/tagout the facility, or to authorize others to do so.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

5. Limitations

This report was prepared at the request of Verizon Wireless. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information «SVGen1» provided by the client. At the time of this report, no additional areas were identified on adjacent elevated surfaces that exceed the FCC's general population MPE. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the Site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Appendix A – Certifications

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

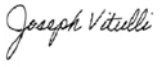
I, Joe Vitulli, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.

- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified “occupational” under the FCC regulations.

- I am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation.

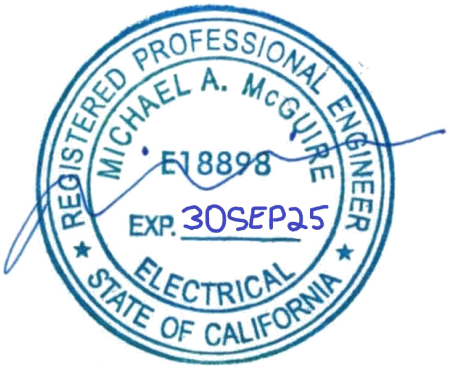
- I have reviewed the data provided by the client and incorporated it into this RF EME Report, such that the information contained in this report is true and accurate to the best of my knowledge.

Signed: 

By: Joe Vitulli

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Reviewed and Approved by:



sealed 24jul2025

Michael McGuire
Electrical Engineer
mike@h2dc.com

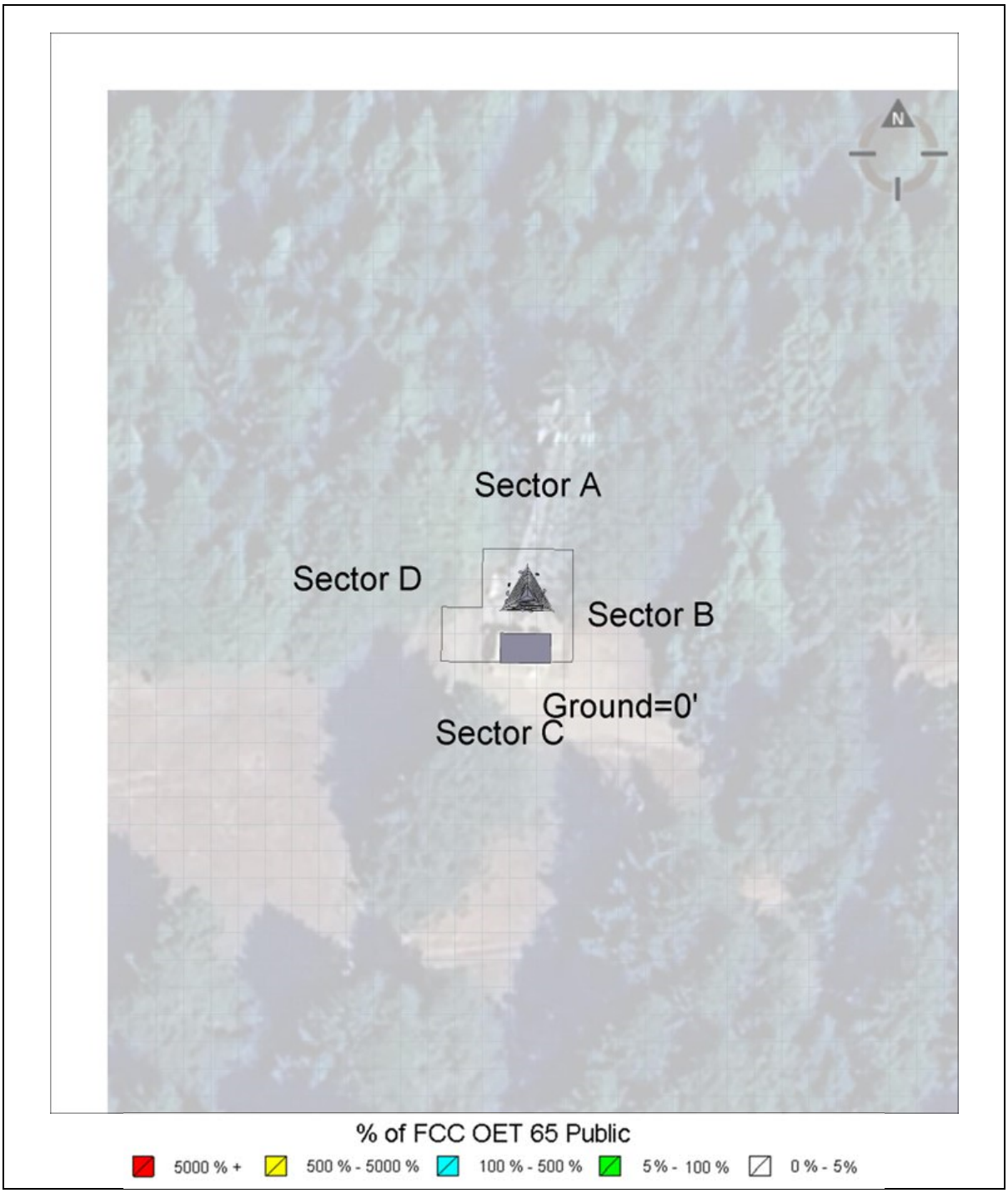
Note that EBI's scope of work is limited to an evaluation of the Radio Frequency – Electromagnetic Energy (RF-EME) field generated by the antennas and broadcast equipment noted in this report. The engineering and design of the building and related structures, as well as the impact of the antennas and broadcast equipment on the structural integrity of the building, are specifically excluded from EBI's scope of work.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Appendix B – Radio Frequency Electromagnetic Energy Safety Information and Signage Plans

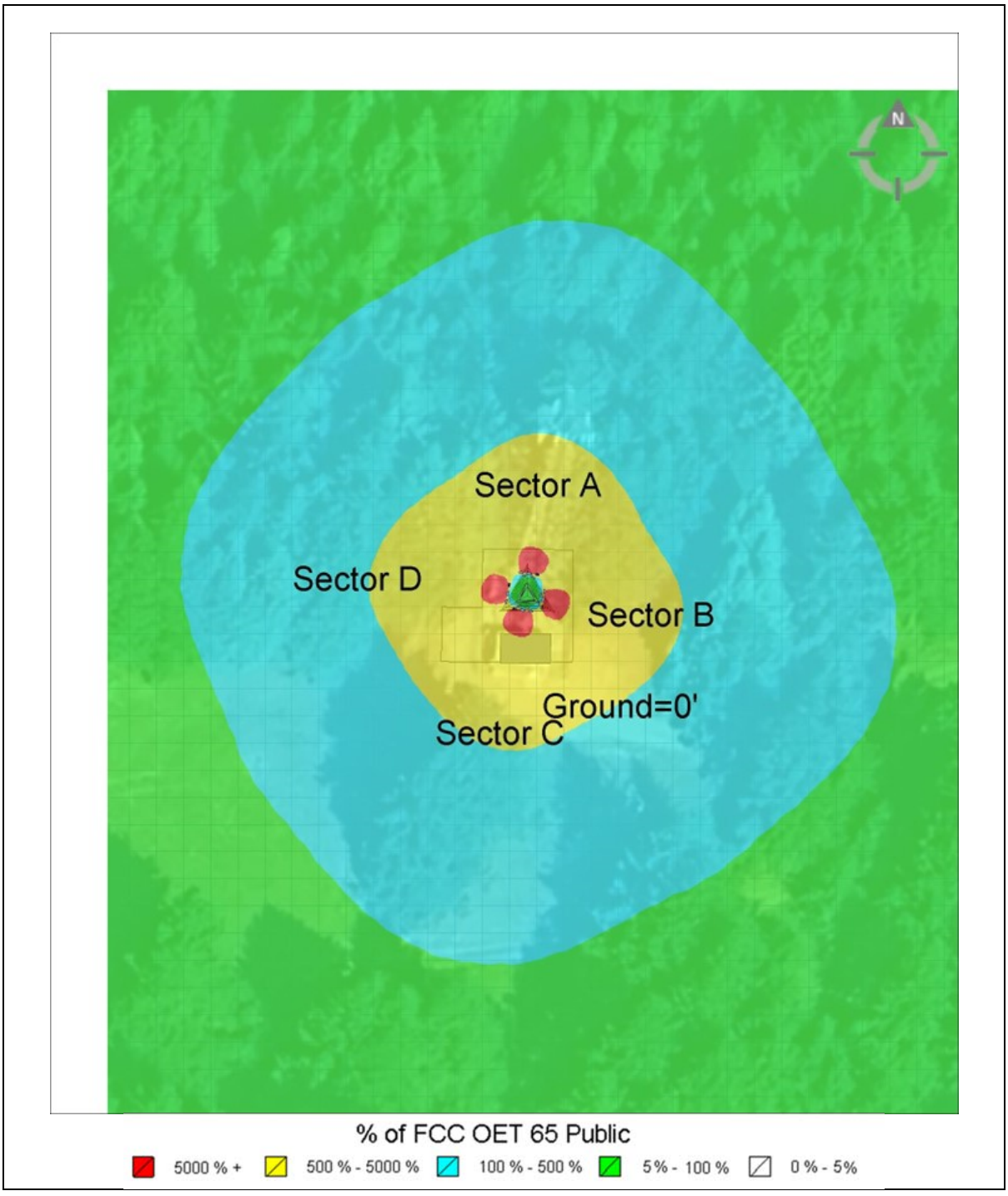
T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Ground (0 feet)



T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

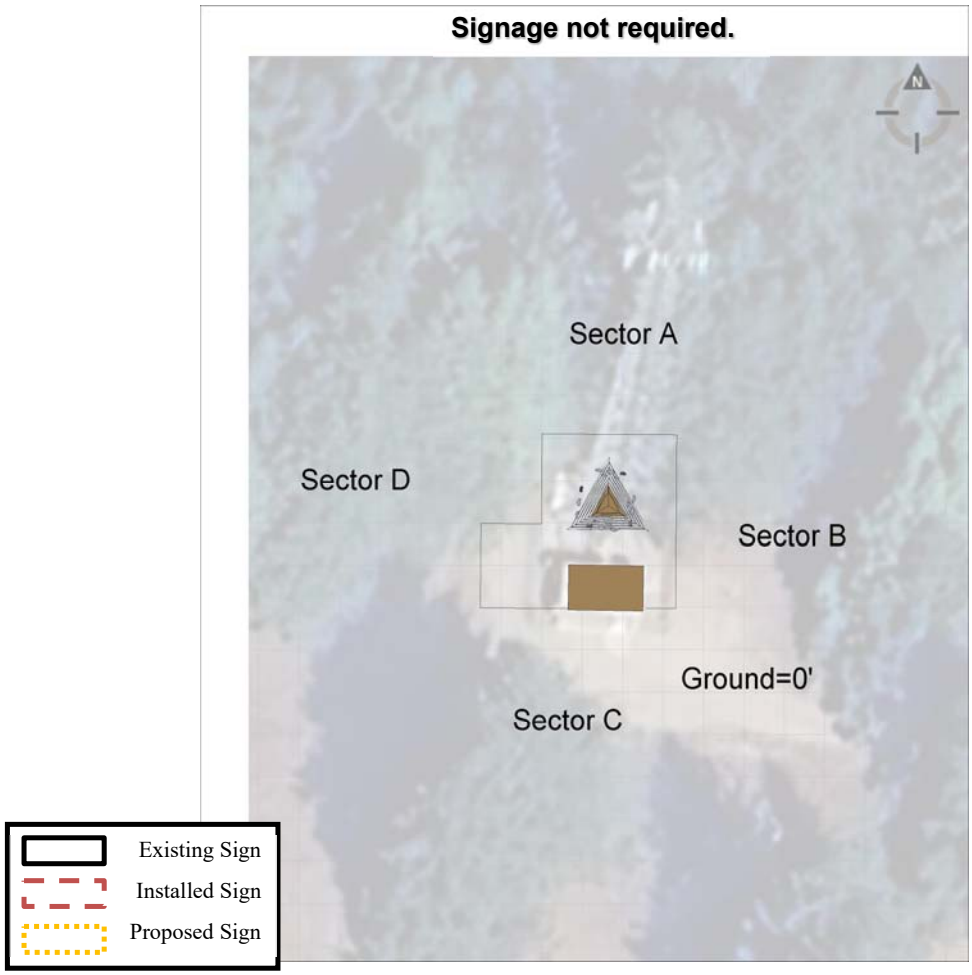
Antenna Face Level (133 feet AGL)



T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

a. Site Mitigation Diagram (Signage/Barriers)

Mitigation Overview



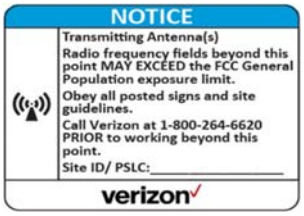
Sign	Posting Instructions	Required Signage / Mitigation
	Securely post at every point of access to the site in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.	Signage not required
	Securely post at every point of access to the site in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.	Signage not required
	Securely post in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.	Signage not required
	Securely post in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.	Signage not required
	Securely post in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.	Signage not required

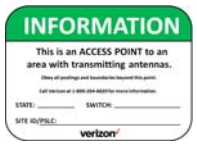
T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

RF Signage and Safety Information

RF Signage

Areas or portions of any transmitter site may be susceptible to high power densities that could cause personnel exposures in excess of the FCC guidelines. These areas must be demarcated by conspicuously posted signage that identifies the potential exposure. Signage MUST be viewable regardless of the viewer's position.

GUIDELINES	Category Two - Notice	Category Three - Caution	Category Four - Warning
This sign will inform anyone of the basic precautions to follow when entering an area with transmitting radiofrequency equipment.	This sign indicates that RF emissions may exceed the FCC General Population MPE limit. • Sign Color Blue • Sign Signal Word "Notice"	This sign indicates that RF emissions may exceed the FCC Occupational MPE limit. • Sign Color Yellow • Sign Signal Word "Caution"	This sign indicates that RF emissions may exceed at least 10x the FCC Occupational MPE limit. • Sign Color Orange for Warning • Sign Signal Word "Warning"
			

Category One - Information	
Information signs are used as a means to provide contact information for any questions or concerns. They will include specific cell site identification information and the Verizon Wireless Network Operations Center phone number. • Sign Color Green • Sign Signal Word "Information"	

Physical Barriers

Physical barriers are control measures that require awareness and participation of personnel. Physical barriers are employed as an additional administration control to complement RF signage and physically demarcate an area in which RF exposure levels may exceed the FCC General Population limit. **Example:** chain-connected stanchions

Indicative Markers

Indicative markers are visible control measures that require awareness and participation of personnel, as they cannot physically prevent someone from entering an area of potential concern. Indicative markers are employed as an additional administration control to complement RF signage and visually demarcate an area in which RF exposure levels may exceed the FCC General Population limit. **Example:** paint stripes

Occupational Safety and Health Administration (OSHA) Requirements

A formal adopter of FCC Standards, OSHA stipulates that those in the Occupational classification must complete training in the following: RF Safety, RF Awareness, and Utilization of Personal Protective Equipment. OSHA also provides options for Hazard Prevention and Control:

Hazard Prevention	Control
• Utilization of good equipment	• Employ Lockout/Tag out
• Enact control of hazard areas	• Utilize personal alarms & protective clothing
• Limit exposures	• Prevent access to hazardous locations
• Employ medical surveillance and accident response	• Develop or operate an administrative control program

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Appendix C – Federal Communications Commission (FCC) Requirements

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general public/uncontrolled exposure limits for members of the general public.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general public/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General public/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a particular facility and are "time-averaged" limits to reflect different durations resulting from controlled and uncontrolled exposures.

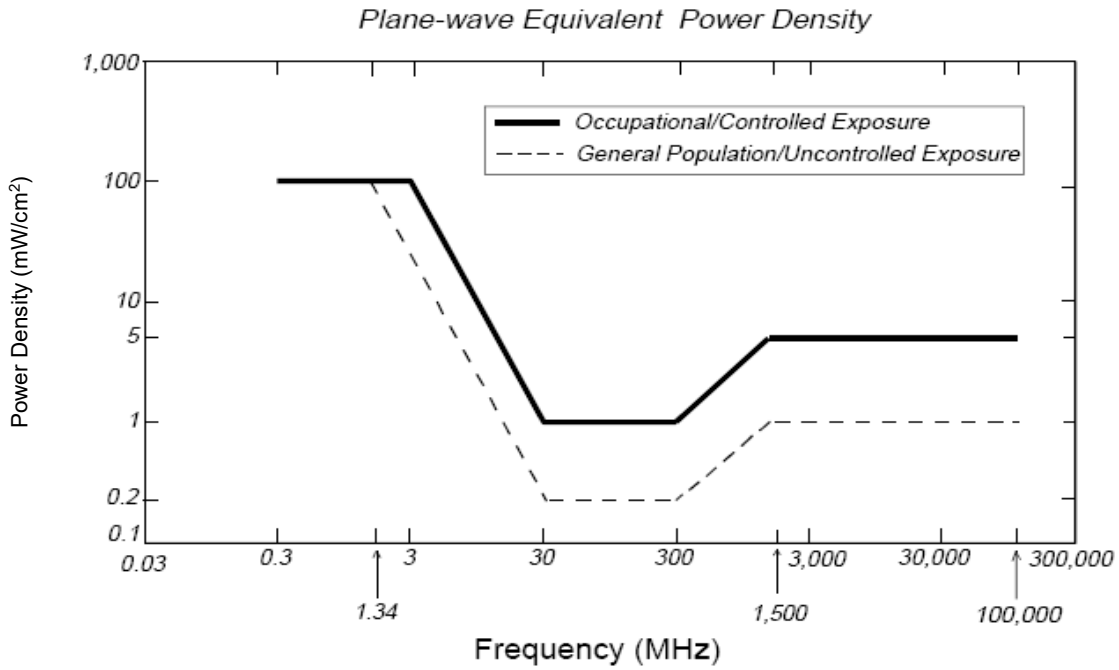
The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm^2). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm^2) and an uncontrolled MPE of 1 mW/cm^2 for equipment operating in the 1900 MHz frequency range. These limits are considered protective of these populations.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-I,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-I,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)
* Plane-wave equivalent power density

Figure 1. *FCC Limits for Maximum Permissible Exposure (MPE)*



T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Microwave (Point-to-Point)	5,000 - 80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Broadband Radio (BRS)	2,600 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Wireless Communication (WCS)	2,300 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Advanced Wireless (AWS)	2,100 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio (SMR)	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Long Term Evolution (LTE)	700 MHz	2.33 mW/cm^2	0.47 mW/cm^2
Most Restrictive Frequency Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Personal Communication (PCS) facilities used by wireless carriers in this area will potentially operate within a frequency range of 600 to 5000 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

FCC Compliance Requirement

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

T: (781) 273-2500 **E:** info@ebiconsulting.com **W:** ebiconsulting.com

Environmental Noise Assessment

Comptche Verizon Cellular Facility

Comptche (Mendocino County), California

BAC Job #2025-068

Prepared For:

Complete Wireless Consulting, Inc.

Attn: Alliyah Muhammad
Project Coordinator
2009 V Street
Sacramento, CA 95818

Prepared By:

Bollard Acoustical Consultants, Inc.

Dario Gotchet
Principal Consultant
Board Elected Member, INCE-USA (ID#20964)

August 19, 2025

BOLLARD
Acoustical Consultants

Introduction

The Comptche Verizon Wireless Unmanned Telecommunications Facility Project (project) proposes the installation of cellular equipment within a lease area located at 38351 Comptche Ukiah Road in Comptche (Mendocino County), California (APN: 125-010-26). The proposed outdoor equipment cabinet cooling systems and an emergency standby diesel generator have been identified as the primary noise sources associated with the project. The project site location with aerial imagery is shown in Figure 1. The studied site drawings are dated June 12, 2025.

Bollard Acoustical Consultants, Inc. has been contracted by Complete Wireless Consulting, Inc. to complete an environmental noise assessment regarding the proposed project cellular equipment operations. Specifically, the following assessment addresses daily noise production and exposure associated with operation of the project outdoor equipment cabinets and emergency generator.

Please refer to Appendix A for definitions of acoustical terminology used in this report. Appendix B illustrates common noise levels associated with various sources.

Criteria for Acceptable Noise Exposure

Mendocino County General Plan

Chapter 3 (Development Element) of the Mendocino County General Plan establishes noise level standards for various land uses affected by non-transportation (stationary) noise sources, such as those proposed by the project. The noise level standards contained in the Development Element are presented below in Table 1.

Table 1
Exterior Noise Level Standards

Land Use Type	Time Period	Median Noise Level, L_{50} (dBA)[1]
Single-Family Homes and Duplexes	Daytime: 7 a.m. to 10 p.m.	60
	Nighttime: 10 p.m. to 7 a.m.	50
Multiple Residential 3 or More Units Per Building (Triplex +)	Daytime: 7 a.m. to 10 p.m.	60
	Nighttime: 10 p.m. to 7 a.m.	55

[1] Level not to be exceeded more than 30 minutes in any hour (i.e., median noise level descriptor, L50).

Source: Mendocino County General Plan, Development Element, Table 3-J (Revised 2020)

Project Noise Generation

As discussed previously, there are two project noise sources which are considered in this evaluation: the equipment cabinet cooling systems and the emergency generator. The evaluation of potential noise impacts associated with the operation of each noise source is evaluated separately as follows:



Legend

- Proposed Verizon Cellular Equipment Lease Area (Approximate)
- Existing Noise-Sensitive Receptor (Residence)

N

Scale (feet)

0 150 300

Comptche Verizon Cellular Facility

Mendocino County, California

Proposed Cellular Facility Lease Area
& Nearest Off-Site Noise-Sensitive Receptor

Figure 1

BOLLARD
Acoustical Consultants

Equipment Cabinet Noise Sources and Reference Noise Levels

The project proposes the installation of two (2) equipment cabinets within the equipment lease area shown in Figure 1. Based on a review of the project site plans, the cabinets assumed for the project are as follows: one (1) Commscope CMC-85-36 power/battery cabinet and one (1) miscellaneous cabinet cooled by a McLean Model T-20 air conditioner. The cabinet reference noise levels are provided in Table 2. The manufacturer's noise level data specification sheets for the proposed equipment cabinets are provided as Appendix C.

Table 2
Reference Noise Level Data of Proposed Equipment Cabinets

Equipment	Number of Cabinets	Reference Noise Level (dB)	Reference Distance (ft)
Commscope CMC-85-36	1	60	5
McLean T-20	1	66	5
Note: Manufacturer specification sheets provided as Appendix C			

Generator Noise Source and Reference Noise Level

The project also proposes the installation of an emergency standby diesel generator within the lease area to maintain cellular service during emergency power outages. According to the project site plans, the generator proposed for installation at this site is a Kohler Model 30REOZK. According to the manufacturer sound level data sheets, provided as Appendix D, the reference sound pressure levels for proposed generator are 79 dB at 23 feet when equipped with a weather enclosure, and 65 dB at 23 feet when equipped with a sound enclosure. For this analysis, it is assumed that the project generator will be equipped with the manufacturer's sound enclosure, resulting in a reference sound pressure level of 65 dB at 23 feet.

The generator which is proposed at this site would only operate during emergencies (power outages) and brief daytime periods for periodic maintenance/lubrication. According to the project applicant, testing of the generator would occur twice per month, during daytime hours only, for a duration of approximately 15 minutes. The emergency generator would not operate at night, except during power outages. It is expected that nighttime operation of the project generator (i.e., during an emergency) would be exempt from the County's exterior noise exposure criteria due to the need for continuous cellular service provided by the project equipment.

Predicted Equipment Noise Exposure at Nearest Noise-Sensitive Receptor

The nearest existing noise-sensitive receptor (off project parcel) has been identified as a single-family residence located on APN: 121-250-18, as shown in Figure 1. Assuming standard spherical spreading loss (-6 dB per doubling of distance from a stationary noise source), project-equipment noise exposure at the nearest noise-sensitive receptor (residence) was calculated and the results of those calculations are presented in Table 3. Satisfaction with the County's noise level criteria at the closest noise-sensitive uses would ensure compliance and noise-sensitive uses located farther away.

Table 3
Predicted Equipment Noise Levels at Nearest Noise-Sensitive Receptor

Receptor[1]	Distance from Lease Area (ft)[2]	Predicted Equipment Noise Level, L_{50} (dB)	
		Cabinets	Generator
121-250-18 – Residence	950	21	33

[1] Receptor location is shown in Figure 1.
[2] Distance scaled from equipment lease area to residence outdoor area (backyard) using the provided site plans and the Mendocino County GIS Viewer.

Source: BAC 2025

Because the proposed outdoor equipment cabinets could potentially be in operation continuously during nighttime hours, operation of the equipment cabinets would be subject to the Mendocino County General Plan exterior *nighttime* noise level standard of 50 dB L_{50} (Table 1). As indicated in Table 3, the predicted outdoor equipment cabinet noise level of 21 dB L_{50} at the closest existing noise-sensitive receptor (residence) would satisfy the applicable General Plan 50 dB L_{50} exterior nighttime noise level limit by a wide margin. As a result, no further consideration of noise mitigation measures would be warranted for this aspect of the project.

Because the project generator would only operate during daytime hours for brief periods required for testing and maintenance (i.e., approximately 15 minutes), and because generator noise is assumed to be exempt during emergency operations, noise from the generator would be subject to the Mendocino County General Plan exterior *daytime* noise level standard of 60 dB L_{50}. As shown in Table 3, the predicted generator noise level of 33 dB L_{50} at the closest existing noise-sensitive receptor (residence) would satisfy the applicable General Plan 60 dB L_{50} exterior daytime noise level standard by a wide margin. As a result, no further consideration of noise mitigation measures would be warranted for this aspect of the project.

Conclusion

Based on the equipment noise level data and analyses presented above, project-related equipment noise exposure is expected to satisfy the applicable Mendocino County General Plan noise level criteria at the closest existing noise-sensitive land uses. As a result, no further consideration of project equipment noise mitigation measures would be warranted for this project.

This concludes our environmental noise assessment for the proposed Comptche Verizon Cellular Facility in Mendocino County, California. Please contact BAC at (530) 537-2328 or dariog@bacnoise.com with any questions or requests for additional information.

Appendix A
Acoustical Terminology

Acoustics The science of sound.

Ambient Noise The distinctive acoustical characteristics of a given space consisting of all noise sources audible at that location. In many cases, the term ambient is used to describe an existing or pre-project condition such as the setting in an environmental noise study.

Attenuation The reduction of an acoustic signal.

A-Weighting A frequency-response adjustment of a sound level meter that conditions the output signal to approximate human response.

Decibel or dB Fundamental unit of sound. A Bell is defined as the logarithm of the ratio of the sound pressure squared over the reference pressure squared. A Decibel is one-tenth of a Bell.

CNEL Community Noise Equivalent Level. Defined as the 24-hour average noise level with noise occurring during evening hours (7 - 10 p.m.) weighted by a factor of three and nighttime hours weighted by a factor of 10 prior to averaging.

Frequency The measure of the rapidity of alterations of a periodic signal, expressed in cycles per second or hertz.

IIC Impact Insulation Class (IIC): A single-number representation of a floor/ceiling partition's impact generated noise insulation performance. The field-measured version of this number is the FIIC.

L_{dn} Day/Night Average Sound Level. Similar to CNEL but with no evening weighting.

L_{eq} Equivalent or energy-averaged sound level.

L_{max} The highest root-mean-square (RMS) sound level measured over a given period of time.

Loudness A subjective term for the sensation of the magnitude of sound.

Masking The amount (or the process) by which the threshold of audibility is for one sound is raised by the presence of another (masking) sound.

Noise Unwanted sound.

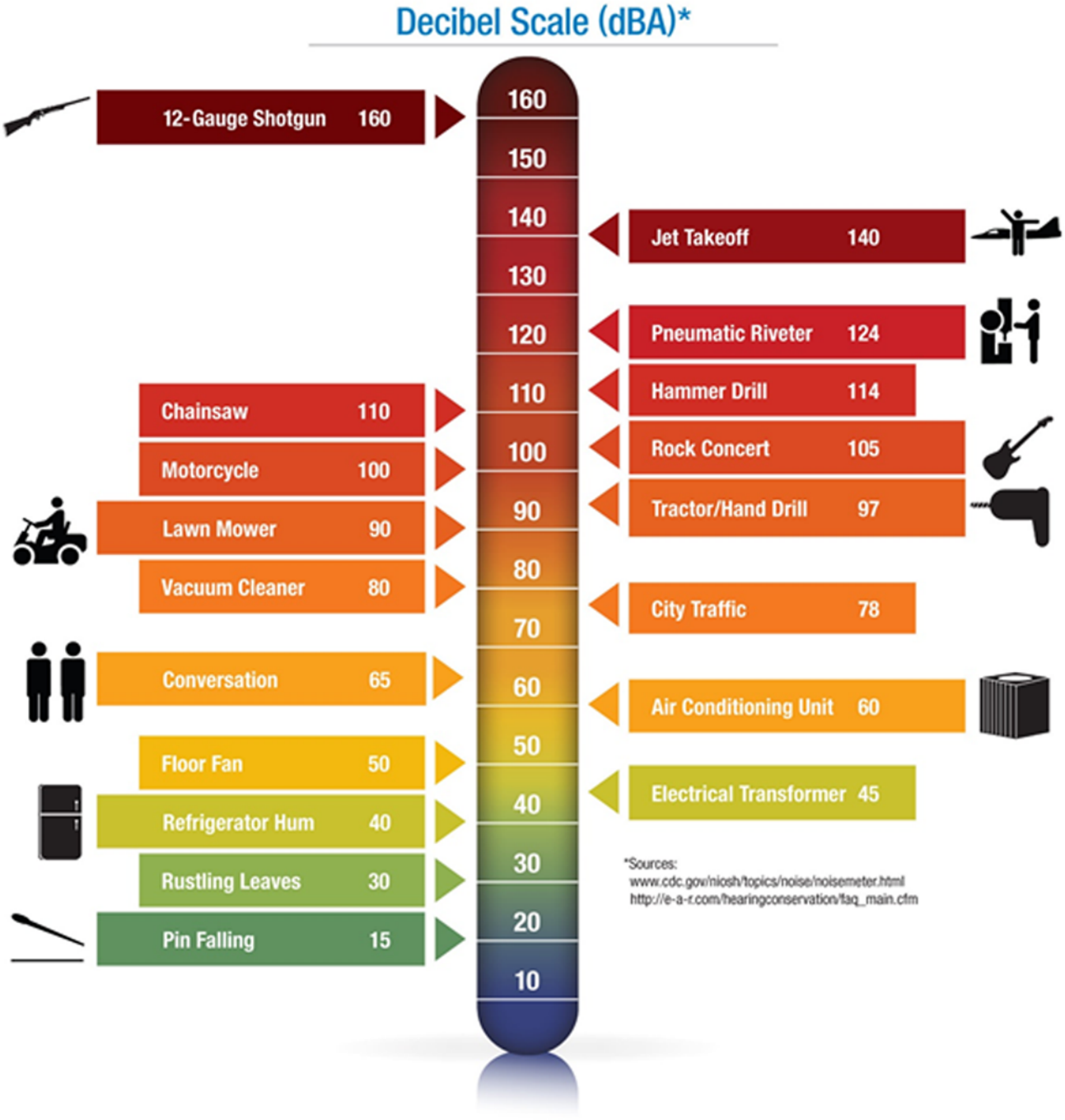
Peak Noise The level corresponding to the highest (not RMS) sound pressure measured over a given period of time. This term is often confused with the "Maximum" level, which is the highest RMS level.

RT_{60} The time it takes reverberant sound to decay by 60 dB once the source has been removed.

STC Sound Transmission Class (STC): A single-number representation of a partition's noise insulation performance. This number is based on laboratory-measured, 16-band (1/3-octave) transmission loss (TL) data of the subject partition. The field-measured version of this number is the FSTC.

Appendix B

Typical A-Weighted Sound Levels of Common Noise Sources



760250956 | CMC-85-36C



CMC-85, Equipment and Battery Cabinet NiCd, 3-String, 4 kW Air Conditioner, DC

The cabinet is designed to combine wireless telecom power equipment and NiCad batteries into one cabinet. Equipment ranges from DC power system, Fiber slack tray, cell site router and other servers equipped by customer. This cabinet provide mechanical and environmental protection for the equipment inside. Cooling of active equipment is achieved by DC rated 4100W Air Conditioner.

- Excellent Thermal Performance to be compatible with both Heat Exchanger andAir Conditioner.
- Provide enough space for the Power system and other network servers.
- Provide option for security/access control via Puck Lock system.
- Provide the flexible access for the cable entrance.
- Provide the flexible heater Solution for the cold ambient application.
- Provide the flexible configurations to give best in class maximum equipmentrack mounting space (Up to 35 total RU)
- Platform products to share many parts including plinth, solar shield, and hybridcable storage units.
- Excellent cable management system.

Product Classification

Regional Availability	Latin America | North America
Portfolio	CommScope®
Product Type	Macro cell site enclosure
Product Series	CMC

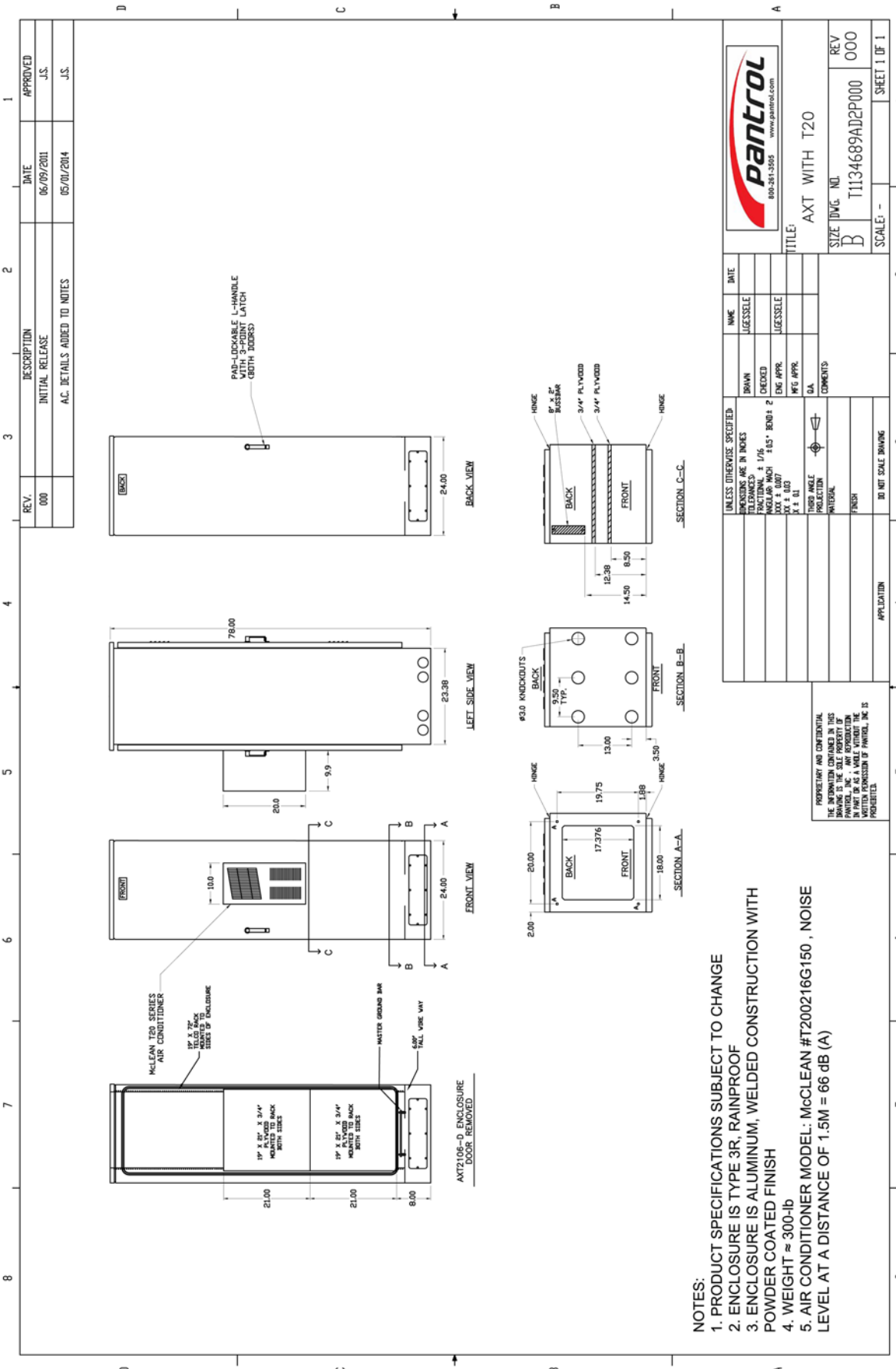
General Specifications

Access	Bottom: Power compartment | Rear Wall: Hybrid Cables | Side Wall: Power or other cables compartment
Alarm Type	Door open (both front and side doors) | HVAC alarms (including high temperature, failure) | Overheat | S2 module, 20P or standard and user defined alarms | Thermal probe
Batteries Supported	3 strings of Nicad batteries from Multiple OEM
Battery Storage	2 battery shelves for holding up to 3 Nicad battery strings
Cabinet Type	Baseband cabinet | Battery back-up cabinet | Transmission cabinet
Capacity	500W Heater built in Air Conditioner
Color	Light Gray (RAL 7035) | Others available at additional cost
Cooling	DC Rated 4100W Air Conditioner Or 420W/k Thermosiphon unit for equipment compartment
Door Security	Quarter turn lock, puck lock system for rear door | Swing handle, puck lock system for front door
Mounting	Mounts directly to steel dunnage with supplied ½" hardware | Mounts to concrete pad with customer supplied anchors | Optional 6" plinth
Noise Emission, maximum	60 dBA

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 27, 2024

COMMSCOPE®

Appendix C-2


REV.
DESCRIPTION
DATE
APPROVED
000
INITIAL RELEASE
06/09/2011
J.S.
A.C. DETAILS ADDED TO NOTES
05/01/2014
J.S.
PAD-LOCKABLE L-HANDLE WITH 3-POINT LATCH (BOTH DOORS)
BACK
BACK VIEW
LEFT SIDE VIEW
FRONT
FRONT VIEW
McLEAN T20 SERIES AIR CONDITIONER
19" X 72" TELCO BACK MOUNTED TO SIDES OF ENCLOSURE
MASTER GROUND BAR
6.69" TALL VENT WAY
19" X 21" X 3/4" PLYWOOD MOUNTED TO BACK BOTH SIDES
AXT2106-D ENCLOSURE DOOR REMOVED
SECTION C-C
SECTION B-B
SECTION A-A
HINGE
8" X 2" BUSSBAR
3/4" PLYWOOD
Ø3.0 KNOCKOUTS
9.50 TYP.
17.376
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ± 1/16
ANGULAR: MACH ± 0.5° BEND ± 2°
XXX ± 0.007
XX ± 0.03
X ± 0.1
THIRD ANGLE PROJECTION
MATERIAL
FINISH
APPLICATION
DRAWN
CHECKED
ENG. APPR.
MFG APPR.
Q.A.
COMMENTS:
NAME
DATE
LGESSELE
LGESSELE
DO NOT SCALE DRAWING
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF PANTROL INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF PANTROL, INC IS PROHIBITED.
pantrol
800-361-3505
www.pantrol.com
TITLE:
AXT WITH T20
SIZE
B
DWG. NO.
T1134689AD2P000
REV
000
SCALE: -
SHEET 1 OF 1
NOTES:
1. PRODUCT SPECIFICATIONS SUBJECT TO CHANGE
2. ENCLOSURE IS TYPE 3R, RAINPROOF
3. ENCLOSURE IS ALUMINUM, WELDED CONSTRUCTION WITH POWDER COATED FINISH
4. WEIGHT ≈ 300-lb
5. AIR CONDITIONER MODEL: McCLEAN #T200216G150 , NOISE LEVEL AT A DISTANCE OF 1.5M = 66 dB (A)

Appendix D-1
Generator Sound Level Data

Weather Enclosure and Subbase Fuel Tank Specifications

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal/Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height, mm (in.)	Sound Pressure Level at 60 Hz with Full Load, dB(A) §
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width ‡	Height	With Steel Enclosure	With Aluminum Enclosure		
15REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	585 (1290)	not available	0 (0)	77
301 (80)	48/53			1649 (64.9)	793 (1749)		432 (17)	
465 (123)	72/82			1852 (72.9)	851 (1876)		635 (25)	
15REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	48/58	2575 (101.4)	882 (34.7)	1573 (61.9)	932 (2055)	not available	356 (14)	77
476 (126)	72/84			1700 (66.9)	996 (2196)		483 (19)	
638 (168)	96/112			1827 (71.9)	1064 (2345)		610 (24)	
20REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	621 (1370)	not available	0 (0)	79
301 (80)	24/38			1649 (64.9)	829 (1829)		432 (17)	
465 (123)	48/58			1852 (72.9)	887 (1956)		635 (25)	
622 (164)	72/78			2030 (79.9)	936 (2065)		813 (32)	
20REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	24/41	2575 (101.4)	882 (34.7)	1573 (61.9)	968 (2135)	not available	356 (14)	79
476 (126)	48/60			1700 (66.9)	1032 (2276)		483 (19)	
638 (168)	72/80			1827 (71.9)	1100 (2425)		610 (24)	
838 (221)	96/105			1979 (77.9)	1181 (2605)		762 (30)	
30REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	680 (1500)	not available	0 (0)	79
301 (80)	24/30			1759 (69.3)	888 (1959)		432 (17)	
622 (164)	48/63			2140 (84.3)	995 (2195)		813 (32)	
791 (209)	72/80	2070 (81.5)		2241 (88.3)	1042 (2298)		914 (36)	
30REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	24/33	2575 (101.4)	882 (34.7)	1573 (61.9)	1027 (2265)	not available	356 (14)	79
638 (168)	48/64			1827 (71.9)	1159 (2555)		610 (24)	
838 (221)	72/85			1979 (77.9)	1240 (2735)		762 (30)	
1056 (279)	96/107			2241 (88.3)	1323 (2919)		914 (36)	
40REOZK								
No Tank	0	2320 (91.3)	1070 (42.1)	1465 (57.7)	1048 (2310)	not available	0 (0)	79
505 (133)	24/36			1838 (72.4)	1328 (2928)		483 (19)	
868 (229)	48/62			2142 (84.4)	1427 (3146)		787 (31)	
1043 (275)	72/74			2244 (88.4)	1464 (3228)		889 (35)	
40REOZK with IBC Seismic Certification and State Code Fuel Tank †								
541 (142)	24/38	2896 (114.0)	1070 (42.1)	1787 (70.4)	1514 (3337)	not available	432 (17)	79
898 (237)	48/64			2015 (79.4)	1647 (3631)		660 (26)	
1057 (279)	72/75			2117 (83.4)	1706 (3762)		762 (30)	
1520 (401)	96/108			2269 (89.4)	1825 (4024)		914 (36)	
50REOZK								
No Tank	0	2320 (91.3)	1070 (42.1)	1465 (57.7)	1063 (2344)	not available	0 (0)	79
505 (133)	24/29			1838 (72.4)	1343 (2962)		483 (19)	
868 (229)	48/50			2142 (84.4)	1442 (3180)		787 (31)	
1527 (403)	72/88	2896 (114.0)		2269 (89.4)	1585 (3496)		914 (36)	
50REOZK with IBC Seismic Certification and State Code Fuel Tank †								
541 (142)	24/31	2896 (114.0)	1070 (42.1)	1787 (70.4)	1529 (3371)	not available	432 (17)	79
898 (237)	48/52			2015 (79.4)	1662 (3665)		660 (26)	
1520 (401)	72/87			2269 (89.4)	1840 (4058)		914 (36)	
2028 (535)	96/116	4020 (158.3)			2041 (4500)			

Appendix D-2
Generator Sound Level Data

Weather Enclosure and Subbase Fuel Tank Specifications (continued)

Fuel Tank Capacity, L (gal)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal/Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height, mm (in.)	Sound Pressure Level at 60 Hz with Full Load, dB(A) §
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width ‡	Height	With Steel Enclosure	With Aluminum Enclosure		
60REOZK								
No Tank	0	2320 (91.3)	1070 (42.1)	1465 (57.7)	1102 (2430)	not available	0 (0)	80
505 (133)	24/25			1838 (72.4)	1382 (3048)		483 (19)	
1043 (275)	48/51			2244 (88.4)	1518 (3348)		889 (35)	
1527 (403)	72/75	2896 (114.0)		2269 (89.4)	1624 (3582)		914 (36)	
60REOZK with IBC Seismic Certification and State Code Fuel Tank †								
541 (142)	24/26	2896 (114.0)	1070 (42.1)	1787 (70.4)	1568 (3457)	not available	432 (17)	80
1057 (279)	48/52			2117 (83.4)	1733 (3882)		762 (30)	
1520 (401)	72/74			2269 (89.4)	1852 (4144)		914 (36)	
2028 (535)	96/99	4020 (158.3)			2053 (4586)			

Note: Data in table is for reference only, refer to the respective ADV drawings for details.

* Max. weight includes the generator set (wet) using the largest alternator option, enclosure with acoustic insulation added, silencer, and tank (no fuel).

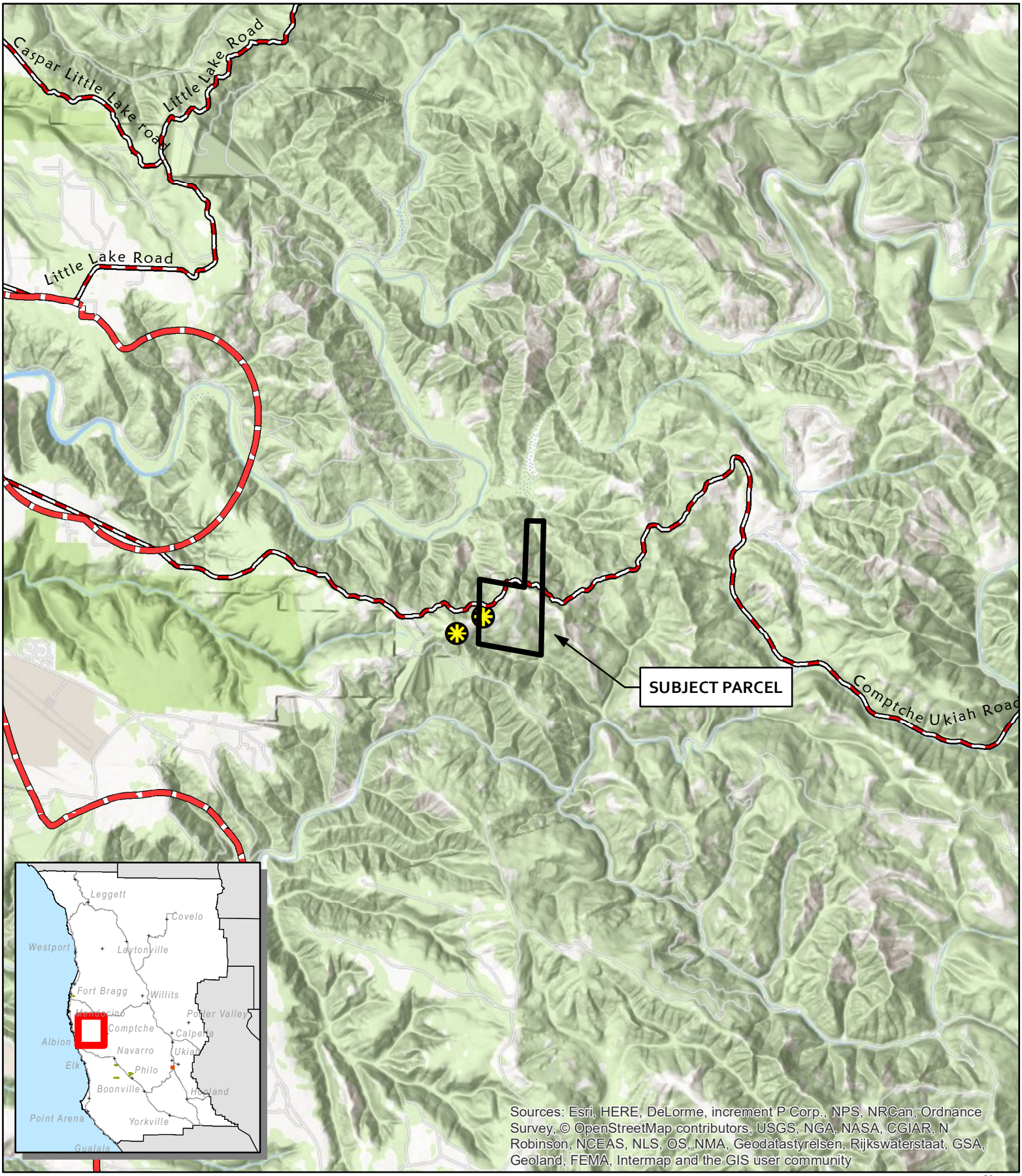
† State code fuel tank specifications (height and weight) do not include I-beam option.

‡ Width dimension shown includes rubber door stops.

§ Log average sound pressure level of 8 measured positions around the perimeter of the unit at a distance of 7 m (23 ft). Refer to TIB-114 for details.

Sound Enclosure and Subbase Fuel Tank Specifications

Fuel Tank Capacity, L (gal)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal/Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height, mm (in.)	Sound Pressure Level at 60 Hz with Full Load, dB(A) §
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width ‡	Height	With Steel Enclosure	With Aluminum Enclosure		
15REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	594 (1310)	530 (1168)	0 (0)	64
301 (80)	48/53			1649 (64.9)	802 (1769)	738 (1627)	432 (17)	
465 (123)	72/82			1852 (72.9)	860 (1896)	796 (1754)	635 (25)	
15REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	48/58	2575 (101.4)	882 (34.7)	1573 (61.9)	941 (2075)	877 (1933)	356 (14)	64
476 (126)	72/84			1700 (66.9)	1005 (2216)	941 (2074)	483 (19)	
638 (168)	96/112			1827 (71.9)	1073 (2365)	1009 (2223)	610 (24)	
20REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	630 (1390)	566 (1248)	0 (0)	65
301 (80)	24/38			1649 (64.9)	838 (1849)	774 (1707)	432 (17)	
465 (123)	48/58			1852 (72.9)	896 (1976)	832 (1834)	635 (25)	
622 (164)	72/78			2030 (79.9)	945 (2085)	881 (1943)	813 (32)	
20REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	24/41	2575 (101.4)	882 (34.7)	1573 (61.9)	977 (2155)	913 (2013)	356 (14)	65
476 (126)	48/60			1700 (66.9)	1041 (2296)	977 (2154)	483 (19)	
638 (168)	72/80			1827 (71.9)	1109 (2445)	1045 (2303)	610 (24)	
838 (221)	96/105			1979 (77.9)	1190 (2625)	1126 (2483)	762 (30)	
30REOZK								
No Tank	0	1969 (77.5)	882 (34.7)	1327 (52.3)	689 (1520)	624 (1378)	0 (0)	65
301 (80)	24/30			1759 (69.3)	897 (1979)	832 (1837)	432 (17)	
622 (164)	48/63			2140 (84.3)	1004 (2215)	939 (2073)	813 (32)	
791 (209)	72/80	2070 (81.5)		2241 (88.3)	1051 (2318)	986 (2176)	914 (36)	
30REOZK with IBC Seismic Certification and State Code Fuel Tank †								
330 (87)	24/33	2575 (101.4)	882 (34.7)	1573 (61.9)	1036 (2285)	971 (2143)	356 (14)	65
638 (168)	48/64			1827 (71.9)	1168 (2575)	1103 (2433)	610 (24)	
838 (221)	72/85			1979 (77.9)	1249 (2755)	1184 (2613)	762 (30)	
1056 (279)	96/107			2241 (88.3)	1332 (2939)	1267 (2797)	914 (36)	
40REOZK								
No Tank	0	2320 (91.3)	1070 (42.1)	1465 (57.7)	1059 (2335)	957 (2110)	0 (0)	64
505 (133)	24/36			1838 (72.4)	1339 (2953)	1237 (2728)	483 (19)	
868 (229)	48/62			2142 (84.4)	1438 (3171)	1336 (2946)	787 (31)	
1043 (275)	72/74			2244 (89.4)	1475 (3253)	1373 (3028)	889 (35)	



Sources: Esri, HERE, DeLorme, increment P Corp., NPS, NRCan, Ordnance Survey, © OpenStreetMap contributors, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

CASE: AP 2025-0031
OWNER: Verizon Wireless
APN: 125-010-26
APLCT: US Cellular
AGENT: Matt Moore
ADDRESS: 38351 Comptche Ukiah Rd.

Coastal Zone Boundary
Major Roads
Approved Wireless Sites

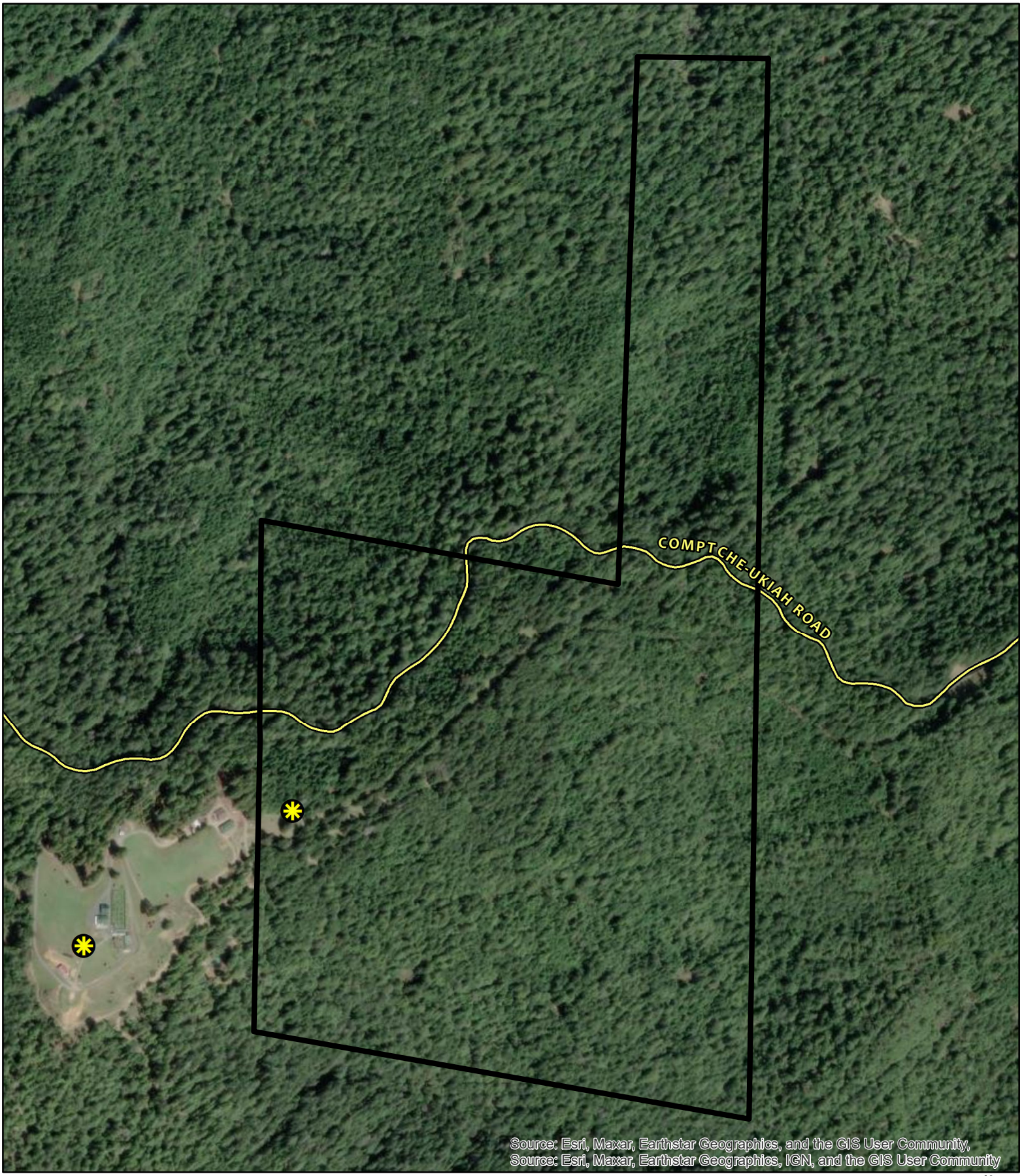
0 2,800 5,600 Feet
0 0.5 1 Miles

N
W E
S

1:63,360

LOCATION

THIS MAP AND DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND.
DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES



CASE: AP 2025-0031
OWNER: Verizon Wireless
APN: 125-010-26
APLCT: US Cellular
AGENT: Matt Moore
ADDRESS: 38351 Comptche Ukiah Rd.

Public Roads

Approved Wireless Sites

0 362.5 725 Feet
0 0.05 0.1 Miles

N W E S

1:8,011.23

AERIAL IMAGERY

THIS MAP AND DATA ARE PROVIDED WITHOUT WARRANTY OF ANY KIND.
DO NOT USE THIS MAP TO DETERMINE LEGAL PROPERTY BOUNDARIES

COMPTCHE (TEMP COW)

38351 COMPTCHE UKIAH ROAD, COMPTCHE, CA 95460
MDG LOCATION ID: 5000988218
PROJECT ID: 17576395

PROJECT DESCRIPTION

A (N) VERIZON WIRELESS TEMPORARY COLOCATION TO (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:

- (N) VERIZON WIRELESS TEMPORARY 8'-0"X8'-0" EQUIPMENT PLATFORM
- (N) VERIZON WIRELESS TEMPORARY GENERATOR & FUEL TANK
- (3) (N) VERIZON WIRELESS TEMPORARY ANTENNAS ON (E) LATTICE TOWER
- (3) (N) VERIZON WIRELESS TEMPORARY RRH UNITS @ ANTENNAS
- (N) VERIZON WIRELESS TEMPORARY SURGE SUPPRESSOR @ ANTENNAS
- (N) VERIZON WIRELESS TEMPORARY SURGE SUPPRESSOR @ EQUIPMENT
- (N) TEMPORARY STARLINK ANTENNA

PROJECT INFORMATION

SITE NAME:	COMPTCHE	SITE ACQUISITION COMPANY:	COMPLETE WIRELESS CONSULTING 2009 V STREET SACRAMENTO, CA 95818
MDG LOCATION ID:	5000988218		
COUNTY:	MENDOCINO COUNTY	LEASING CONTACT:	ATTN: KIM LE (916) 747-2314 KLE@COMPLETEWIRELESS.NET
JURISDICTION:	MENDOCINO COUNTY		
APN:	125-010-26	ZONING CONTACT:	ATTN: MATTHEW MOORE (916)-247-3047 MMOORE@COMPLETEWIRELESS.NET
SITE ADDRESS:	38351 COMPTCHE UKIAH ROAD COMPTCHE, CA 95460		
CURRENT ZONING:	TPZ (TIMBER PRODUCTION ZONE)	CONSTRUCTION CONTACT:	ATTN: JOSH JORDAN (916) 704-0897 JOSH.JORDAN@EPICWIRELESS.NET
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U (UNMANNED COMMUNICATIONS FACILITY)		
POWER:	PG&E		
LATITUDE:	N 39° 16' 27" NAD 83 N 39.274167° NAD 83		
LONGITUDE:	W 123° 41' 18" NAD 83 W 123.688333° NAD 83		
PROPERTY OWNER:	STATE OF CALIFORNIA 1 CAPITOL MALL STE 500 SACRAMENTO, CA 95814		
APPLICANT:	VERIZON WIRELESS 2770 SHADELANDS DR, BLDG 11 WALNUT CREEK, CA 94598		
TOWER OWNER:	US CELLULAR 8410 WEST BRYN MAWR AVE CHICAGO, IL 60631		

DESIGN CRITERIA

RISK CATEGORY: II	ROOF LIVE LOAD: N/A	FLOOR LIVE LOAD: N/A	ALLOW SOIL BEARING: N/A
WIND EXPOSURE: B	DESIGN WIND SPEED: 92 MPH	GROUND ELEVATION: 92'	TOPOGRAPHIC CATEGORY: I
SEISMIC SITE CLASS: D	SEISMIC DESIGN CATEGORY: D	SEISMIC COMPONENT I_P: 1.0	a_P: 1.0 R_P: 2.5
S_{DS}: 1.2	S_{D1}: N/A	S_S: 1.5	S_1: 0.6

VICINITY MAP



CODE COMPLIANCE

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

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUMES 1&2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CITY OF SAN FRANCISCO FIRE CODE
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2021 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
ANSI/EIA-TIA-222-H
ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	-
T-1.2	GENERAL NOTES	-
A-1.1	SITE PLAN	-
A-2.1	ANTENNA PLAN	-
A-3.1	ELEVATIONS	-
A-4.1	DETAILS	-
S-1.1	STRUCTURAL DETAILS	-
E-1.1	ELECTRICAL PLAN	-
E-1.2	GROUNDING PLANS & DETAILS	-

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OTHER THAN THE ENGINEER, COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1.1

PROJECT GENERAL NOTES

1. THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.
3. THE SCOPE OF WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. CALL BEFORE YOU DIG. CONTRACTOR IS REQUIRED TO CALL 811 (NATIONWIDE "CALL BEFORE YOU DIG" HOTLINE) AT LEAST 72 HOURS BEFORE DIGGING.
8. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
9. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL ALSO COORDINATE ALL PORTIONS OF THE WORK UNDER THE CONTRACT; INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
11. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
12. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED, OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES.
14. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. THE CONTRACTOR SHALL PROVIDE A TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
16. SUFFICIENT MONUMENTATION WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES SHOWN HEREON AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.
17. THE CONTRACTOR TO VERIFY THE LATEST/CURRENT RF DESIGN.
18. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE SEPARATE PLANS, SPECIFICATIONS, FEES AND PERMITS FOR ANY REVISION TO ANY FIRE SPRINKLER AND/OR ALARM SYSTEM ON THE PREMISES AS MAY BE NEEDED TO COMPLETE THE WORK DEPICTED HEREIN, USING A LICENSED SUBCONTRACTOR FOR ALL SUCH WORK.

CONSTRUCTION NOTES

1. EXISTING BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OR ORDERING OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER OF RECORD FOR RESOLUTION PRIOR TO PROCEEDING. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
2. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT ALTER, DAMAGE OR REMOVE ANY PART OF THE EXISTING STRUCTURE UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS.
3. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITION, ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE 2022 CBC. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBC, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PREPARED AND SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO PROCEEDING WITH THE WORK.
4. ALL WORK AND MATERIALS SHOWN ARE NEW UNLESS INDICATED AS EXISTING (E).
5. IT MAY BE NECESSARY TO REMOVE ARCHITECTURAL FINISHES, PLUMBING PIPES AND FIXTURES, ELECTRICAL CONDUIT, FIXTURES, PANELS, BOXES, TELEPHONE OR FIRE ALARM WIRING AND FIXTURES OR OTHER NON-STRUCTURAL ITEMS TO INSTALL STRUCTURAL WORK AND MATERIALS SHOWN ON THESE DRAWINGS. SUCH ITEMS SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO MATCH PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTORS EXPENSE.
6. ALL WEATHER PROOFING. INCLUDING BUT NOT LIMITED TO TORCH DOWN, CAULKING, Z-FLASHING OR ANY OTHER MATERIAL THAT MAY BE ALTERED DURING INSTALLATION SHALL BE REPAIRED REPLACED AND/OR MODIFIED TO ENSURE THE BUILDING AT THE INSTALLATION SITE IS WEATHER PROOF.
7. ANY PROPOSED SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, ANCHOR TYPES, OR DETAILING INDICATED IN THESE DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ORDERING MATERIALS. SUCH REVIEW SHALL BE BILLED ON A TIME AND MATERIALS BASIS TO THE CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
8. CONTRACTOR SHALL ENSURE ALL ROOF AREAS HAVE POSITIVE SLOPE TO ALL EXISTING ROOF DRAINS. PROVIDE ADDITIONAL CRICKETS OR BUILD UP ROOFING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AROUND ALL NEW CONSTRUCTION INCLUDING ANY CURBS, SLEEPERS, SUPPORT BASES, ETC.

STRUCTURAL STEEL NOTES

1. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2016 AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2022 CBC.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) & WT (TEE) SHAPES TO BE ASTM A992 (F_Y=50,000 PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE C (F_Y=50,000 PSI FOR RECT HSS & F_Y=46,000 PSI FOR ROUND HSS PER AISC MANUAL TABLE 2-4) ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR S, GRADE B (F_Y=35,000 PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES UNLESS OTHERWISE NOTED AND SHALL CONFORM TO AISC & AWS D1.4. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
5. HIGH STRENGTH BOLTS SHALL BE GALVANIZED ASTM F3125/F3125M GRADE A325 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.
6. HIGH STRENGTH BOLT NUTS SHALL BE ASTM A563/A563M AND WASHERS SHALL BE ASTM F436/ F436M.
7. THREADED RODS SHALL BE ASTM F1554, GR 36 U.O.N. BOLTED CONNECTIONS SHALL BE BEARING TYPE.
8. ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HOT DIPPED GALVANIZED WASHERS.
9. ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED.
10. ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
11. AT ALL WEB STIFFENER PLATES LEAVE ¾"ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.
12. U-BOLTS AT ANTENNA & RRU MOUNT TO BE GALVANIZED SAE J429, GRADE 2 WITH J995 NUTS U.O.N.
13. ALL STRUT MEMBERS USED IN EXTERIOR APPLICATIONS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 OR ASTM A153.
14. ALL STAINLESS STEEL BOLTED CONNECTIONS SHALL BE ASTM F593-17 ALLOY GROUP 1 OR 2 AND STAINLESS STEEL NUTS SHALL BE ASTM F594-09 (2015).

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

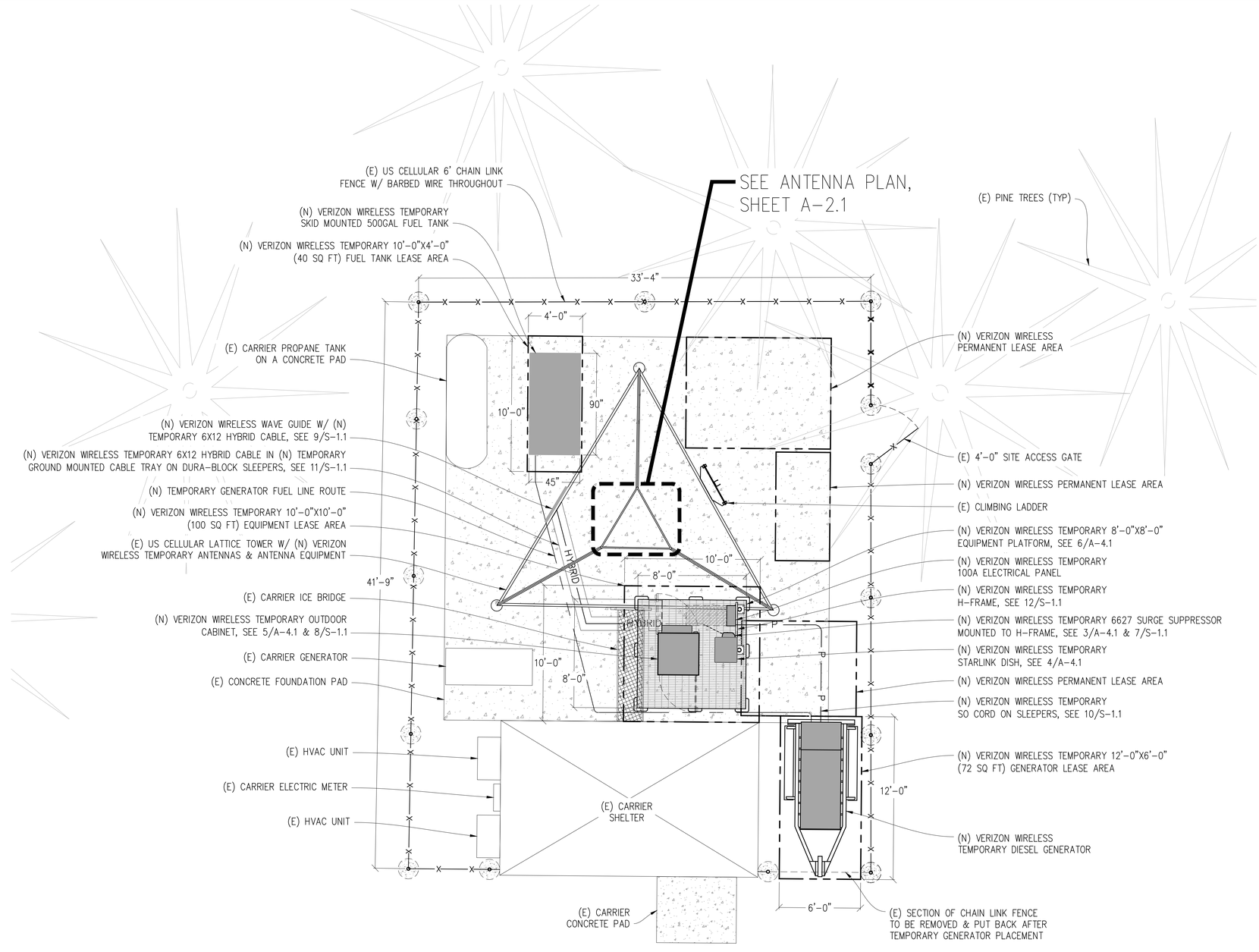
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT IS CONSTRUCTED OR NOT. THESE PLANS AND SPECIFICATIONS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN AUTHORIZATION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

T-1.2



NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

TN

SITE PLAN

1/4"=1'-0"

0 1' 2' 4' 6' 10' 14' 20'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF ANY OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON, FIRM OR CORPORATION FOR ANY OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYRIGHT © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

A-1.1

NOTICE

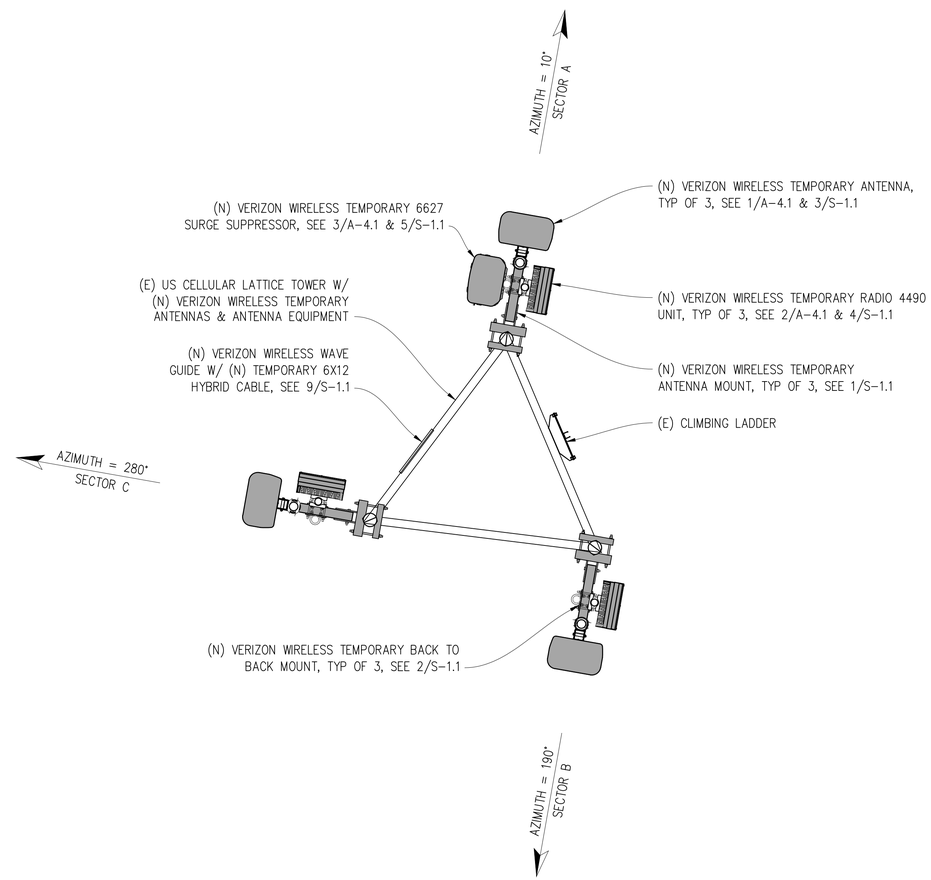
EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

(N) TEMPORARY RF SCHEDULE (ANTENNA MODELS SUBJECT TO CHANGE)

SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	# OF HYBRID CABLES	LENGTH OF CABLES	SURGE SUPPRESSOR
ALPHA	A1	ND868-5C	10°	±136'-0"	(1) 4490	(1) 6x12	±169'	(1) 6627
	A2	–	–	–	–	–	–	–
	A3	–	–	–	–	–	–	–
BETA	B1	ND868-5C	190°	±136'-0"	(1) 4490	–	–	–
	B2	–	–	–	–	–	–	–
	B3	–	–	–	–	–	–	–
GAMMA	C1	ND868-5C	280°	±136'-0"	(1) 4490	–	–	–
	C2	–	–	–	–	–	–	–
	C3	–	–	–	–	–	–	–



ANTENNA PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen. Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

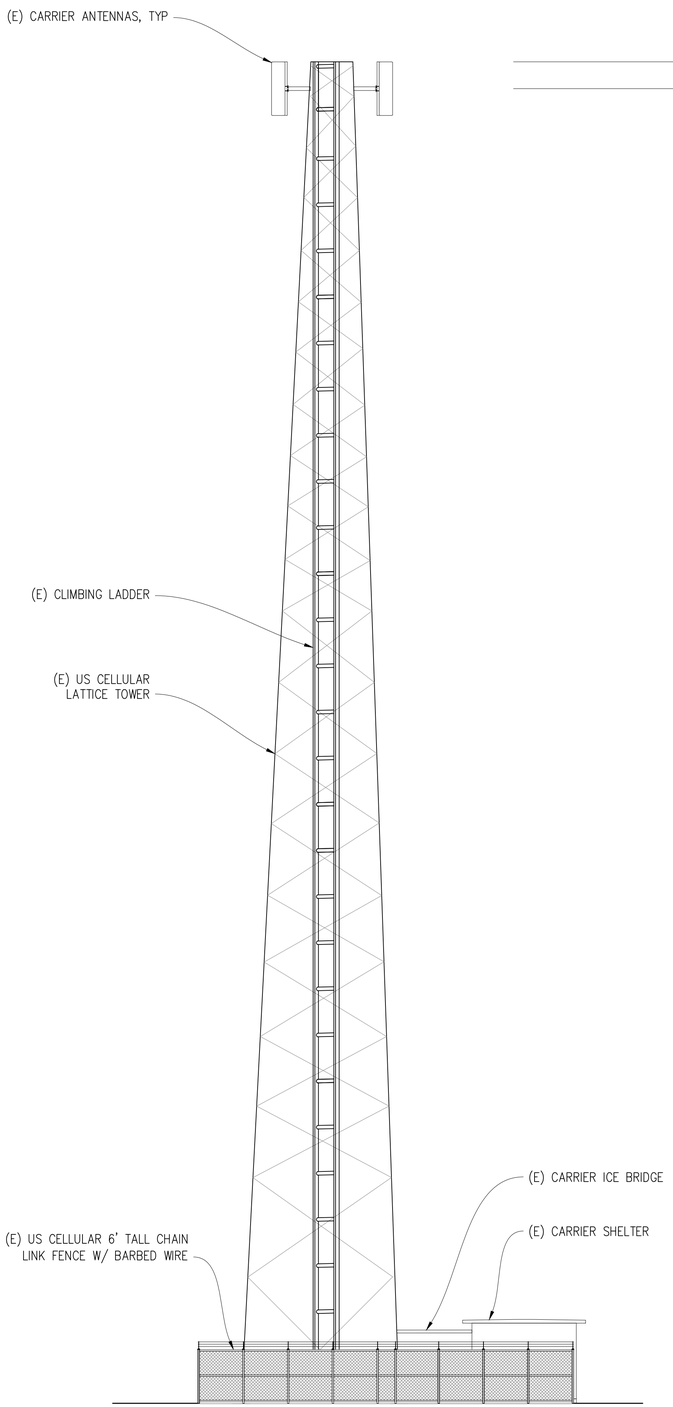
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OTHER THAN THE ARCHITECT OR ENGINEER IS PROHIBITED. COPYRIGHT © 2009 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ANTENNA PLAN

SHEET NUMBER:

A-2.1



TOP OF (E) LATTICE TOWER & (E) CARRIER ANTENNAS
±150'-0" A.G.L.

CENTER OF (E) CARRIER ANTENNAS
±147'-0"A.G.L.

TOP OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±141-0" A.G.L.

CENTER OF (N) TEMPORARY VERIZON WIRELESS ANTENNAS
±136-0" A.G.L.

BOTTOM OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±131-0" A.G.L.

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

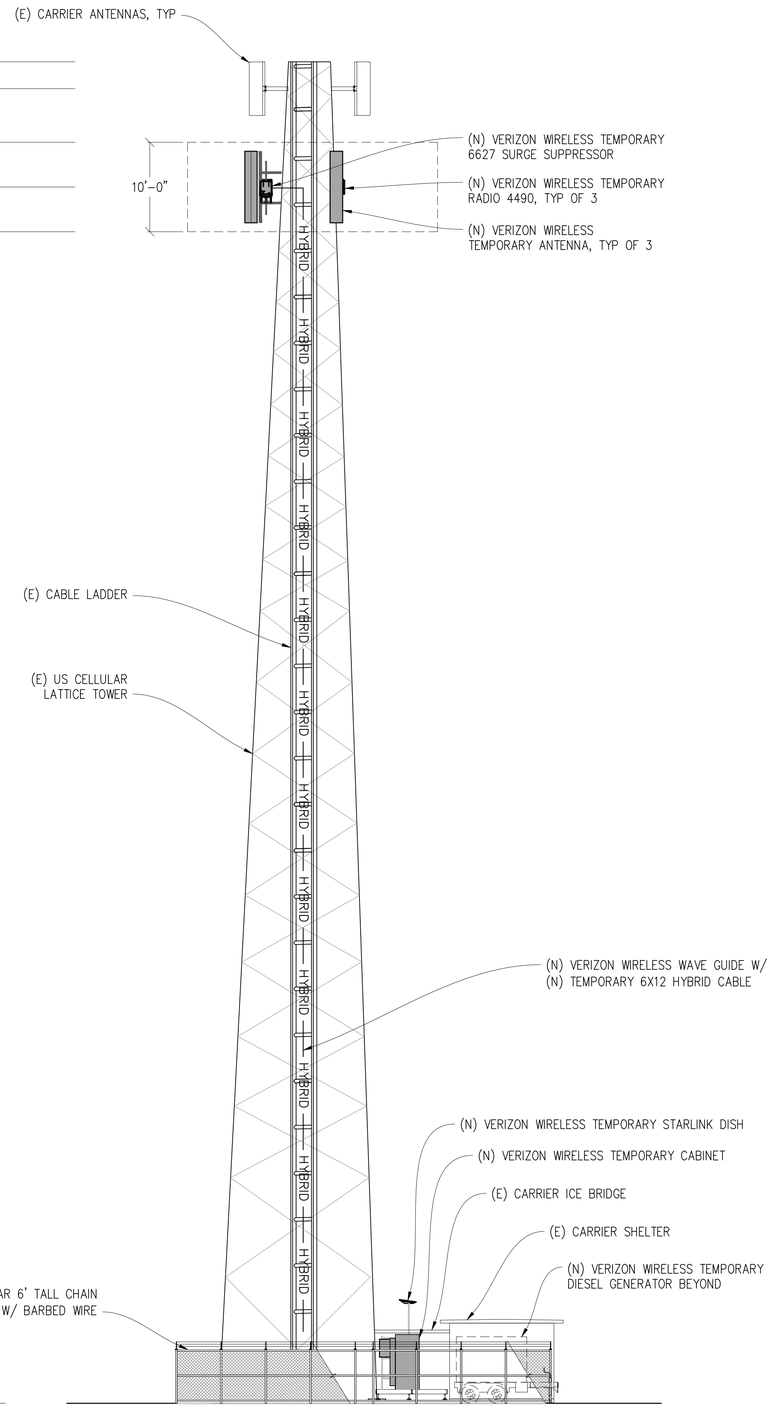
TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

GROUND LEVEL
0'-0"

(E) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'



(N) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

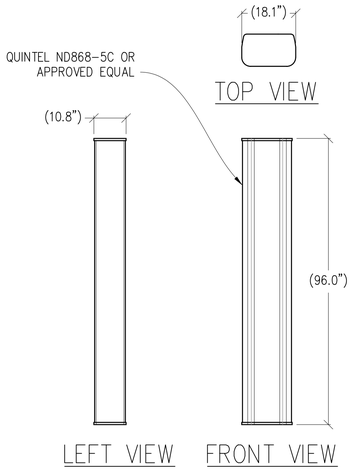
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OTHER THAN THE ENGINEER, WITHOUT THE EXPRESS WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. Copyright © 2006 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELEVATIONS

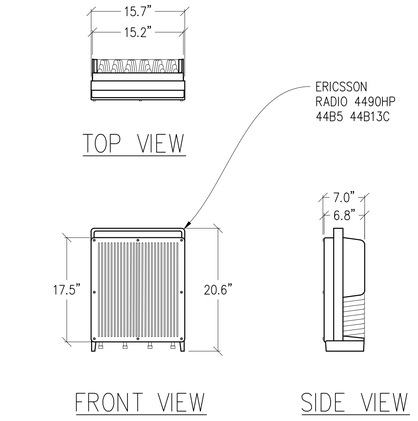
SHEET NUMBER:

A-3.1



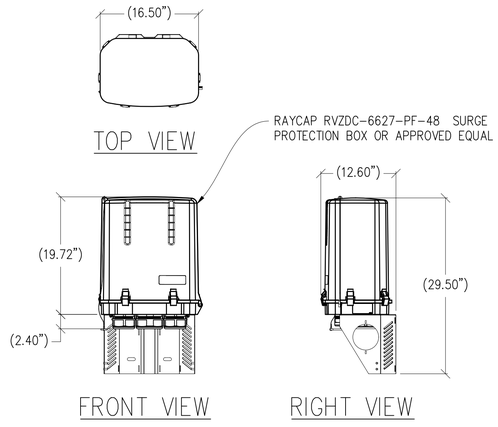
1 ANTENNA DETAIL

½"=1'-0" WEIGHT: 69 LBS



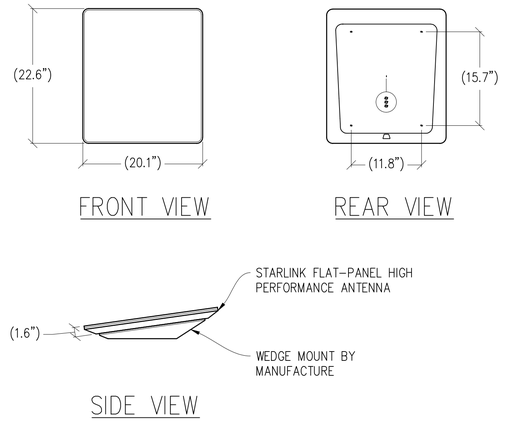
2 RADIO 4490HP DETAIL

1"=1'-0" MAX WEIGHT: 68.4 LBS



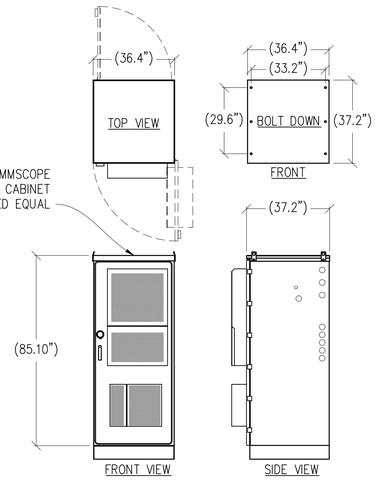
3 SURGE PROTECTION BOX

1"=1'-0" MAX WEIGHT: 32.0 LBS



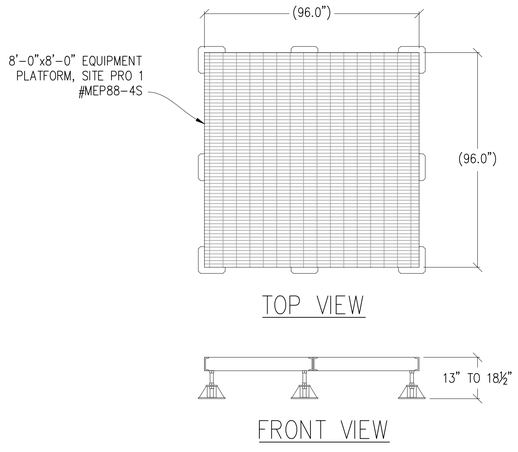
4 ANTENNA DETAIL

1"=1'-0" MAX WEIGHT: 13.0 LBS



5 CABINET DETAIL

⅜"=1'-0" MAX WEIGHT: 2352 LBS



6 EQUIPMENT PLATFORM DETAIL

⅜"=1'-0" MAX WEIGHT: 1,010.53 LBS

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

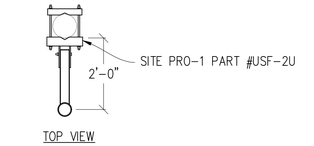
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. WHETHER THE PROJECT IS EXECUTED OR NOT. THE REPRODUCTION, PUBLICATION OR USE OF THESE PLANS WITHOUT WRITTEN PERMISSION IS FORBIDDEN. Copyright © 2000 STREAMLINE ENGINEERING AND DESIGN, INC. ALL RIGHTS RESERVED.

SHEET TITLE:

DETAILS

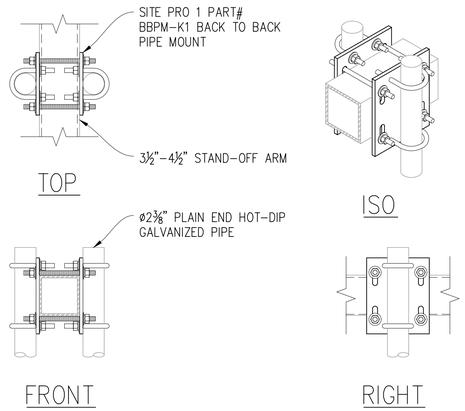
SHEET NUMBER:

A-4.1

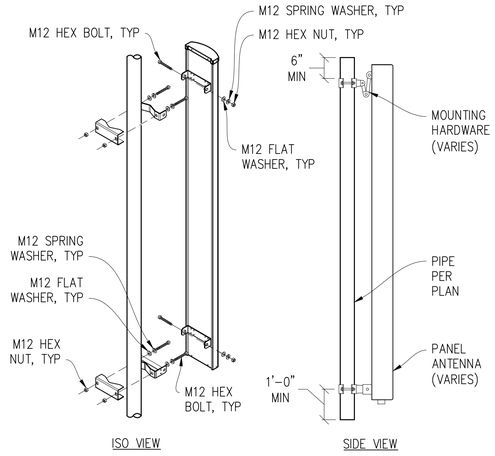


NOTE: USE MANUFACTURER SPEC HARDWARE

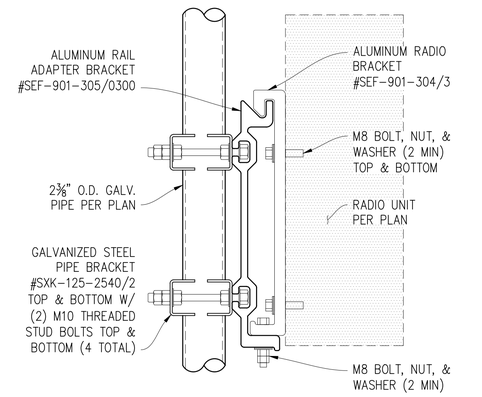
1 TOWER MOUNTING BRACKET
½"=1'-0"



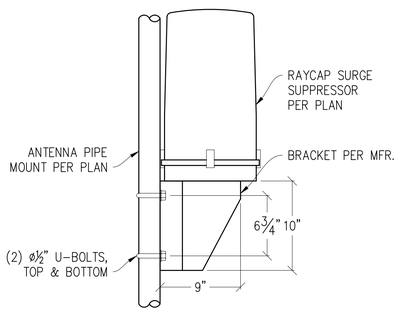
2 BACK TO BACK PIPE MOUNT
1½"=1'-0"



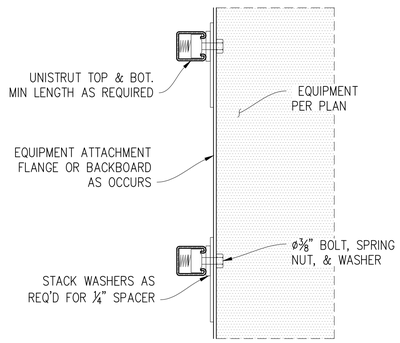
3 ANTENNA MOUNT
1"=1'-0"



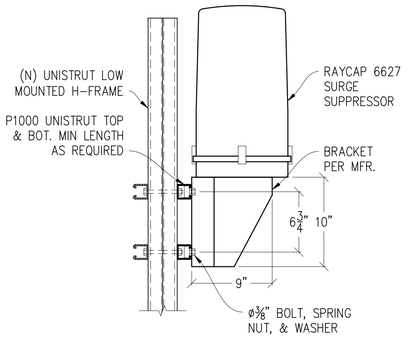
4 RADIO UNIT MOUNTING
3"=1'-0"



5 SURGE PIPE MOUNT
1½"=1'-0"

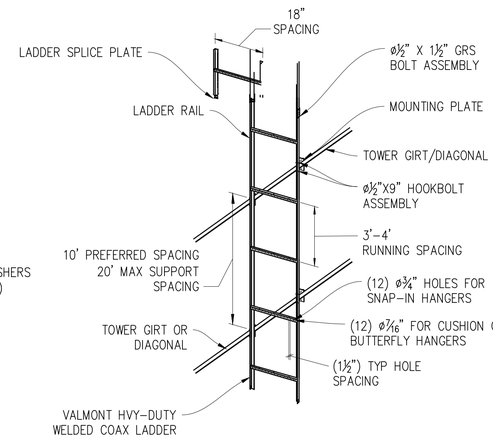


6 EQUIPMENT MOUNTING
3"=1'-0"

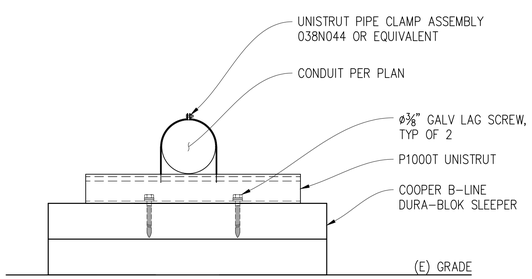


7 SURGE MOUNT
1½"=1'-0"

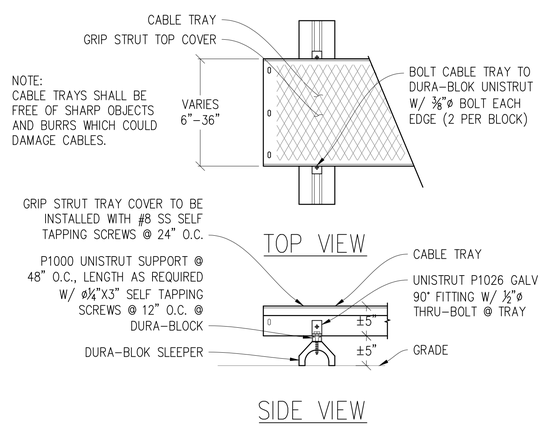
8 CABINET TO WF BEAM
1½"=1'-0"



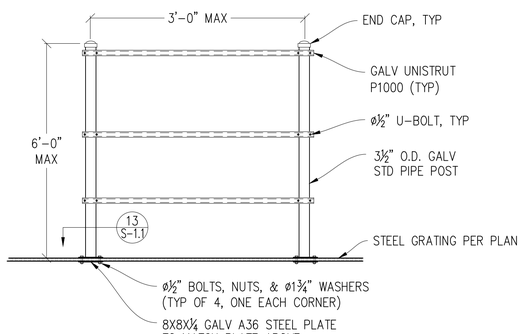
9 CABLE LADDER TO TOWER
NOT TO SCALE



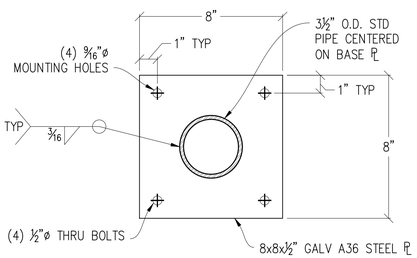
10 CONDUIT MOUNT DETAIL
3"=1'-0"



11 CABLE TRAY DETAIL
1"=1'-0"



12 H-FRAME DETAIL
½"=1'-0"



13 H-FRAME BASE PLATE
3"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen. Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

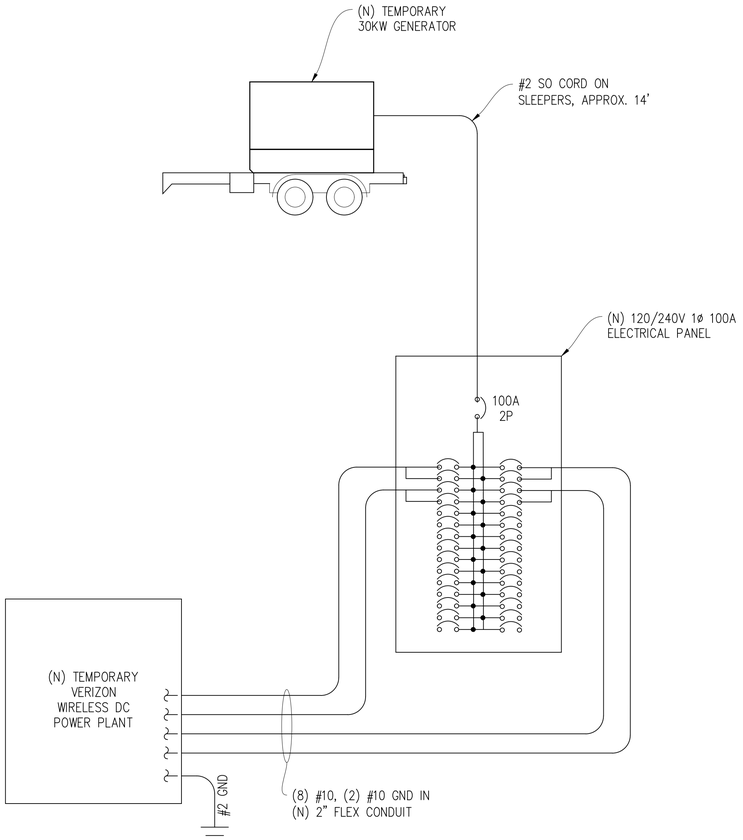
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND IS A VIOLATION OF APPLICABLE LAWS. Copyright © 2009 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

SHEET NUMBER:

S-1.1



TEMPORARY SINGLE LINE DIAGRAM

ELECTRICAL LABELING REQUIREMENTS

1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING. LABELS SHALL BE PERMANENT BLACK ON WHITE PEEL & STICK LABEL MAKER TYPE FOR ALL SWITCH & OUTLET PLATES, CONDUITS AND CEILING FIXTURES, AND SHALL BE PHENOLIC TAG TYPE FOR PANELS, XFMR's, PULL BOXES, ETC.; PHENOLIC TAGS SHALL BE RED IN COLOR WHERE BACKED UP BY GENERATOR
2. ALL PANELS, XFMR's AND PULL BOXES SHALL BE LABELED WITH DEVICE 'NAME', VOLTAGE(S), RATING FOR XFMR's, AND "FED FROM" DATA.
3. ALL SWITCH & OUTLET PLATES SHALL BE LABELED WITH "FED FROM" CIRCUIT DATA (PANEL NAME & CIRCUIT#); ALL GANG SWITCHES SHALL BEAR SWITCH NUMBERS BEGINNING W/#1 ON LEFT OF THE MAIN LIGHTING SWITCH FOR EACH ROOM FOR COORDINATION W/FIXTURE LABELS.
4. ALL (N) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE "FED FROM" DATA (SWITCH#)
5. ALL CONDUITS EXITING A PANEL BOARD SHALL BE LABELED "CIRCUIT(S) 'X'..." WHERE X IS/ARE THE BREAKER#(S). CONDUITS EXITING XFMR'S SHALL BE LABELED "FEEDER TO <PANEL, DEVICE>", E.G. "FEEDER TO PANEL <panel name>. CONDUITS ENTERING/EXITING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF OBVIOUS) W/"FED FROM..." & "TO PANEL/XFMR/..."DATA.
6. "FED FROM: DATA = <panel name> <brkr#> EG: "PANEL X/1,3,5")

ELECTRIC LEGEND

- (M) METER
- CIRCUIT BREAKER
- SERVICE GROUND
- WIRED CONNECTION
- TIMER SWITCH, WATERPROOF
- OUTDOOR LIGHT
- GFI OUTLET, WATERPROOF

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2022 CEC AS WELL AS ALL ADOPTED STANDARDS, APPLICABLE STATE AND LOCAL CODES.
2. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER PLAN SPECIFICATIONS.
4. ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED.
5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
6. ELECTRICAL WIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THW-2, INSULATION RATED FOR 90°C DRY OR 70°C WET.
7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
8. ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
9. A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
10. WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE AND HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.
11. WHERE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'MTS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING MEANS, AND AIC REQ'MT, AND SHALL OBTAIN CLARIFICATION FROM THE PROJECT ENGINEER ON ANY DEVIATIONS FOUND IN THESE PLANS.
12. WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2-WIRE, SHALL COMPLY WITH ARTICLE 720, AS FOLLOWS:
    A. POWER PLANT SHALL BE SUPPLIED BY THE WIRELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.
    B. CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN, CONDUCTORS FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.
    C. THERE ARE NO DC RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT. ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LUG TAP OR SOCKET TERMINATION ON AN INTEGRATED DC CIRCUIT BREAKER AT AN INDIVIDUAL RECTIFIER MODULE AND TERMINATE AT THE SPECIALIZED LUG ON THE RESPECTIVE APPLIANCE AS A SINGLE RUN OF WIRE WITHOUT SPLICES. ALL DC WIRING SHALL BE LABELED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC VOLTAGE.
    D. ALL CABLING SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.

NEW PANEL SCHEDULE

NAMEPLATE : PANEL A			SC LEVEL : 22,000				VOLTS: 120V/240V, 1ø		
LOCATION : OUTSIDE							BUS AMPS: 100A		
MOUNTING : H-FRAME							MAIN CB: 100A		
ØA	ØB		BKR	CIRCUIT NO		BKR		ØA	ØB
LOAD VA	LOAD VA	LOAD DESCRIPTION	AMP/POLE			AMP/POLE	LOAD DESCRIPTION	LOAD VA	LOAD VA
1320		(N) VZW RECTIFIER 1	30/2	1	2	30/2	(N) VZW RECTIFIER 3	1320	
	1320	" "	" "	3	4	" "	" "		1320
1320		(N) VZW RECTIFIER 2	30/2	5	6	30/2	(N) VZW RECTIFIER 4	1320	
	1320	" "	" "	7	8	" "	" "		1320
		BLANK	–	9	10	–	BLANK		
		" "	–	11	12	–	" "		
		" "	–	13	14	–	" "		
		" "	–	15	16	–	" "		
		" "	–	17	18	–	" "		
		" "	–	19	20	–	" "		
		" "	–	21	22	–	" "		
		" "	–	23	24	–	" "		
		" "	–	25	26	–	" "		
		" "	–	27	28	–	" "		
		" "	–	29	30	–	" "		
2640	2640	PHASE TOTALS					PHASE TOTALS	2640	2640
TOTAL VA =	10560	TOTAL AMPS =	44						

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

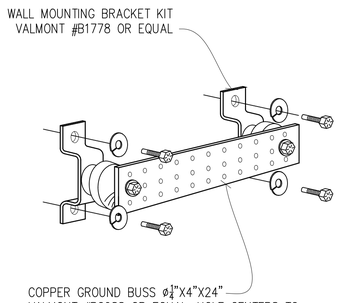
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN, INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

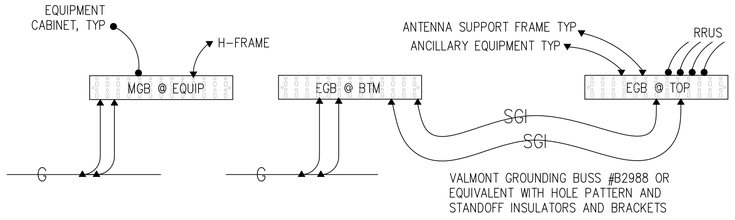
SHEET TITLE:

ELECTRICAL PLAN

SHEET NUMBER:

E-1.1





1 GROUND BUSS DETAIL

NOT TO SCALE

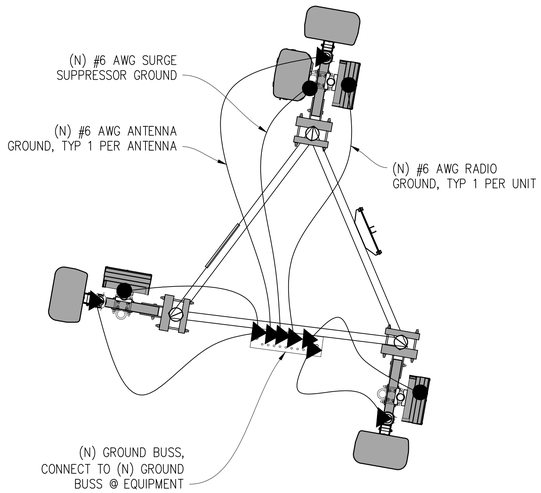
GROUNDING LEGEND

- MECHANICAL CONNECTION
- EXOTHERMIC CADWELD
- TYP. CADWELD INSPECTION WELL
- TYP ⅝" DIA. X 10'-0" LONG COPPER CLAD GROUND ROD @ 10' O.C. MAX & 18" MIN BELOW FINISH GRADE
- GATE GROUNDING STRAP
- G — TYP #2 TINNED BCW UNDERGROUND GND RING @ 18" MIN BELOW FINISH GRADE
- SGI — GROUND WIRE #2 STRANDED GREEN INSULATED WIRE

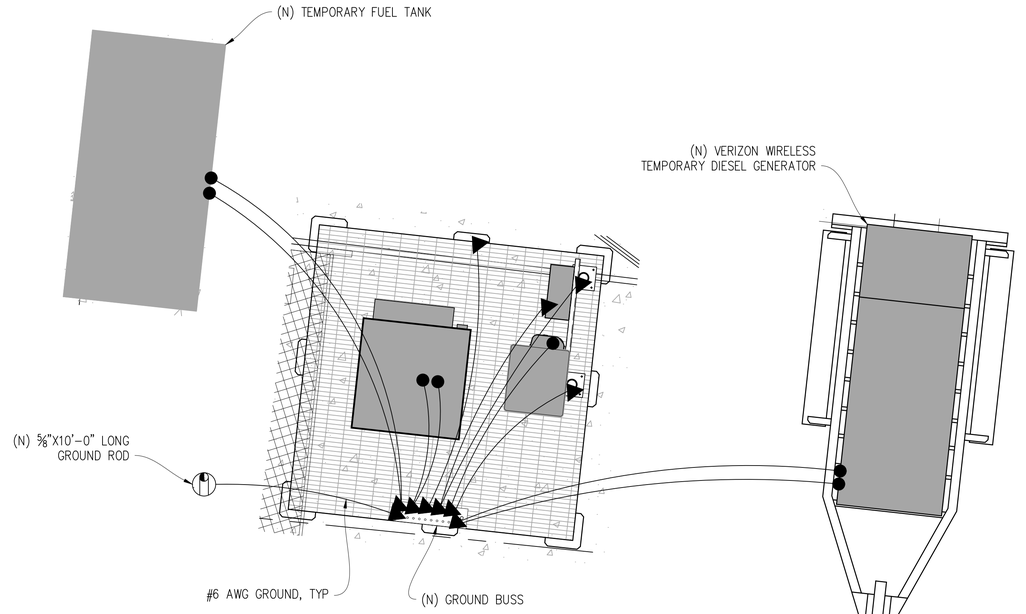
GROUNDING NOTES

1. GROUNDING SHALL COMPLY WITH CEC ARTICLE 250.
2. USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
3. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
4. EXPOSED GROUNDING CONNECTIONS SHALL BE MADE WITH BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELDS AS SPECIFIED IN THE PLANS.
5. CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE.
6. APPLY BUTYL & ELECTRICAL TAPE OVER COLD SHRINK AT ALL LOCATIONS FOR WEATHER PROOFING OVER COAX GROUND KITS.
7. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS WITH STAR WASHERS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
8. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLES. ALWAYS MAKE A 12" RADIUS BEND, HOWEVER, #6 WIRE CAN BE BENT AT A 6" RADIUS WHEN NECESSARY.
9. THE SYSTEM GROUND RESISTANCE MUST BE 10 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:
   A. CONNECT TO EXISTING GROUNDING SYSTEMS
   B. CONNECT TO BUILDING STEEL COLUMNS
   C. INSTALL A NEW GROUNDING SYSTEM

   UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR CONSTRUCTION MANAGER.



TEMPORARY ANTENNA GROUNDING PLAN



TEMPORARY EQUIPMENT GROUNDING PLAN

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000988218
PROJECT ID:	17576395
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
1	09/24/25	CD 100%	S.D.
0	09/17/25	CD 90%	S.D.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen. Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REPRODUCTION OF THESE PLANS AND SPECIFICATIONS IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright © 2009, STREAMLINE ENGINEERING AND DESIGN INC. - ALL RIGHTS RESERVED.

SHEET TITLE:

GROUNDING PLANS & DETAILS

SHEET NUMBER:

E-1.2

COMPTCHE

38351 COMPTCHE UKIAH ROAD, COMPTCHE, CA 95460
MDG LOCATION ID: 5000968096
PROJECT ID: 17393312

PROJECT DESCRIPTION

A (N) VERIZON WIRELESS COLOCATION TO (E) UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:

- (N) LEASE AREA W/ (N) GROUND MOUNTED CABINET INSIDE (E) US CELLULAR COMPOUND & (N) UTILITIES TO (N) SITE LOCATION
- (N) ANTENNAS & ANTENNA EQUIPMENT ON (E) LATTICE TOWER

PROJECT INFORMATION

SITE NAME:	COMPTCHE	SITE ACQUISITION COMPANY:	COMPLETE WIRELESS CONSULTING 2009 V STREET SACRAMENTO, CA 95818
MDG LOCATION ID:	5000968096		
COUNTY:	MENDOCINO COUNTY	LEASING CONTACT:	ATTN: KIM LE (916) 747-2314 KLE@COMPLETEWIRELESS.NET
JURISDICTION:	MENDOCINO COUNTY		
APN:	125-010-26	ZONING CONTACT:	ATTN: MATTHEW MOORE (916)-247-3047 MMOORE@COMPLETEWIRELESS.NET
SITE ADDRESS:	38351 COMPTCHE UKIAH ROAD COMPTCHE, CA 95460		
CURRENT ZONING:	TPZ (TIMBER PRODUCTION ZONE)	CONSTRUCTION CONTACT:	ATTN: SEAN WALLIN (916) 591-8574 SWALLIN@COMPLETEWIRELESS.NET
CONSTRUCTION TYPE:	V-B		
OCCUPANCY TYPE:	U (UNMANNED COMMUNICATIONS FACILITY)		
POWER:	PG&E		
LATITUDE:	N 39° 16' 27" NAD 83 N 39.274167° NAD 83		
LONGITUDE:	W 123° 41' 18" NAD 83 W 123.688333° NAD 83		
PROPERTY OWNER:	STATE OF CALIFORNIA 1 CAPITOL MALL STE 500 SACRAMENTO, CA 95814		
APPLICANT:	VERIZON WIRELESS 2770 SHADELANDS DR, BLDG 11 WALNUT CREEK, CA 94598		
TOWER OWNER:	US CELLULAR 8410 WEST BRYN MAWR AVE CHICAGO, IL 60631		

RISK CATEGORY: II	ROOF LIVE LOAD: N/A	FLOOR LIVE LOAD: N/A	ALLOW SOIL BEARING: N/A
WIND EXPOSURE: B	DESIGN WIND SPEED: 92 MPH	GROUND ELEVATION: 946'	TOPOGRAPHIC CATEGORY: I
SEISMIC SITE CLASS: D	SEISMIC DESIGN CATEGORY: D	SEISMIC COMPONENT I_P: 1.0	a_p: 1.0 R_P: 2.5
S_{DS}: 1.2	S_{D1}: N/A	S_S: 1.5	S_1: 0.6

TESTS AND SPECIAL INSPECTIONS

STREAMLINE ENGINEERING & DESIGN, INC. DOES NOT REQUIRE ANY STRUCTURAL OBSERVATION OR SPECIAL INSPECTION OF ANY STRUCTURAL COMPONENT ABOVE & BEYOND WHAT IS LISTED BELOW UNLESS OTHERWISE REQUIRED BY JURISDICTION.

PROVIDE COMPLETE TESTING AND INSPECTIONS IN ACCORDANCE WITH THE CBC, CHAPTER 17 AS NOTED BELOW:

1. POST INSTALLED ANCHORS IN ACCORDANCE WITH CURRENT ICC REPORTS FOR THE SPECIFIED ANCHORAGES.

VICINITY MAP



CODE COMPLIANCE

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

2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUMES 1&2, TITLE 24 C.C.R.
(2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2022 CITY OF SAN FRANCISCO FIRE CODE
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2021 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
ANSI/EIA-TIA-222-H
ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1.1	TITLE SHEET	-
T-1.2	GENERAL NOTES	-
T-1.3	SIGNAGE DETAILS	-
C-1	TOPOGRAPHIC SURVEY	-
A-1.1	OVERALL SITE PLAN	-
A-1.2	ENLARGED SITE PLAN	-
A-1.3	COMPOUND PLAN	-
A-1.4	EQUIPMENT PLAN	-
A-2.1	ANTENNA PLAN	-
A-3.1	ELEVATIONS	-
A-3.2	ELEVATIONS	-
A-4.1	DETAILS	-
A-4.2	DETAILS	-
A-5.1	BATTERY SPECIFICATIONS	-
A-5.2	GENERATOR SPECIFICATIONS	-
A-5.3	GENERATOR SPECIFICATIONS	-
A-5.4	GENERATOR SPECIFICATIONS	-
S-1.1	STRUCTURAL DETAILS	-
S-1.2	STRUCTURAL DETAILS	-
S-1.3	STRUCTURAL DETAILS	-
E-1.1	ELECTRICAL PLAN	-
E-1.2	GROUNDING PLANS & DETAILS	-

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon
2770 SHADELANDS DR, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF ANY PART OF THESE PLANS BY ANY PERSON, FIRM OR CORPORATION FOR ANY OTHER PROJECT IS PROHIBITED. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T-1.1

PROJECT GENERAL NOTES

1. THIS FACILITY IS AN UNOCCUPIED WIRELESS TELECOMMUNICATION FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.
3. THE SCOPE OF WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
4. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRM THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PAY FOR PERMIT FEES, AND TO OBTAIN SAID PERMITS AND TO COORDINATE INSPECTIONS.
6. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
7. CALL BEFORE YOU DIG. CONTRACTOR IS REQUIRED TO CALL 811 (NATIONWIDE "CALL BEFORE YOU DIG" HOTLINE) AT LEAST 72 HOURS BEFORE DIGGING.
8. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
9. THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. CONTRACTOR SHALL ALSO COORDINATE ALL PORTIONS OF THE WORK UNDER THE CONTRACT; INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
10. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
11. KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
12. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED, OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND ALL OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK SHALL BE PROTECTED AT ALL TIMES.
14. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
15. THE CONTRACTOR SHALL PROVIDE A TOILET FACILITY DURING ALL PHASES OF CONSTRUCTION.
16. SUFFICIENT MONUMENTATION WAS NOT RECOVERED TO ESTABLISH THE POSITION OF THE BOUNDARY LINES SHOWN HEREON. THE BOUNDARY REPRESENTED ON THIS MAP IS BASED ON COMPILED RECORD DATA AND BEST FIT ONTO EXISTING IMPROVEMENTS. IT IS POSSIBLE FOR THE LOCATION OF THE SUBJECT PROPERTY TO SHIFT FROM THE PLACEMENT SHOWN HEREON WITH ADDITIONAL FIELD WORK AND RESEARCH. THEREFORE ANY SPATIAL REFERENCE MADE OR SHOWN BETWEEN THE RELATIONSHIP OF THE BOUNDARY LINES SHOWN HEREON AND EXISTING GROUND FEATURES, EASEMENTS OR LEASE AREA IS INTENDED TO BE APPROXIMATE AND IS SUBJECT TO VERIFICATION BY RESOLVING THE POSITION OF THE BOUNDARY LINES.
17. THE CONTRACTOR TO VERIFY THE LATEST/CURRENT RF DESIGN.
18. WHERE APPLICABLE, CONTRACTOR SHALL PROVIDE SEPARATE PLANS, SPECIFICATIONS, FEES AND PERMITS FOR ANY REVISION TO ANY FIRE SPRINKLER AND/OR ALARM SYSTEM ON THE PREMISES AS MAY BE NEEDED TO COMPLETE THE WORK DEPICTED HEREIN, USING A LICENSED SUBCONTRACTOR FOR ALL SUCH WORK.

CONSTRUCTION NOTES

1. EXISTING BUILDING CONSTRUCTION CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION OR ORDERING OF MATERIALS. IF EXISTING CONDITIONS DO NOT ALLOW FOR DETAILS OF CONSTRUCTION AS SHOWN ON THESE DRAWINGS, NOTIFY ENGINEER OF RECORD FOR RESOLUTION PRIOR TO PROCEEDING. CONTRACTOR SHALL EXPOSE AND REVIEW EXISTING CONDITIONS IN A TIMELY MANNER SUCH THAT ALTERNATE DESIGNS OR DETAILS, IF REQUIRED, MAY BE GENERATED WITHOUT DELAY TO THE PROJECT.
2. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT ALTER, DAMAGE OR REMOVE ANY PART OF THE EXISTING STRUCTURE UNLESS SPECIFICALLY DETAILED ON THESE DRAWINGS.
3. THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ADDITION, ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE 2022 CBC. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE 2022 CBC, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE PREPARED AND SUBMITTED TO AND APPROVED BY THE BUILDING DEPARTMENT PRIOR TO PROCEEDING WITH THE WORK.
4. ALL WORK AND MATERIALS SHOWN ARE NEW UNLESS INDICATED AS EXISTING (E).
5. IT MAY BE NECESSARY TO REMOVE ARCHITECTURAL FINISHES, PLUMBING PIPES AND FIXTURES, ELECTRICAL CONDUIT, FIXTURES, PANELS, BOXES, TELEPHONE OR FIRE ALARM WIRING AND FIXTURES OR OTHER NON-STRUCTURAL ITEMS TO INSTALL STRUCTURAL WORK AND MATERIALS SHOWN ON THESE DRAWINGS. SUCH ITEMS SHALL BE REMOVED, REPAIRED AND/OR REPLACED TO MATCH PRE-CONSTRUCTION CONDITIONS AT THE CONTRACTORS EXPENSE.
6. ALL WEATHER PROOFING. INCLUDING BUT NOT LIMITED TO TORCH DOWN, CAULKING, Z-FLASHING OR ANY OTHER MATERIAL THAT MAY BE ALTERED DURING INSTALLATION SHALL BE REPAIRED REPLACED AND/OR MODIFIED TO ENSURE THE BUILDING AT THE INSTALLATION SITE IS WEATHER PROOF.
7. ANY PROPOSED SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, ANCHOR TYPES, OR DETAILING INDICATED IN THESE DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ORDERING MATERIALS. SUCH REVIEW SHALL BE BILLED ON A TIME AND MATERIALS BASIS TO THE CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
8. CONTRACTOR SHALL ENSURE ALL ROOF AREAS HAVE POSITIVE SLOPE TO ALL EXISTING ROOF DRAINS. PROVIDE ADDITIONAL CRICKETS OR BUILD UP ROOFING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE AROUND ALL NEW CONSTRUCTION INCLUDING ANY CURBS, SLEEPERS, SUPPORT BASES, ETC.

EXPANSION & EPOXY ANCHORS

1. EXPANSION AND EPOXY ANCHORS SHALL BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC).
2. ALL ANCHORS PROVIDED SHALL BE INCLUDED IN EVALUATION REPORTS OF THE INTERNATIONAL CODE COUNCIL (ICC), AND SHALL BE EVALUATED FOR 2021 IBC MINIMUM REQUIREMENTS IN THE ICC REPORT
3. CONCRETE EXPANSION ANCHORS SHALL BE KWIK BOLT TZ2 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4266 OR APPROVED EQUIVALENT.
4. CMU EXPANSION ANCHORS SHALL BE KWIK BOLT TZ2 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4561 OR APPROVED EQUIVALENT. ANCHORS SHALL BE INSTALLED A MINIMUM OF 1⅜" FROM ANY VERTICAL MORTAR JOINT TYPICAL. ANCHORS TO BE SPACED 8 INCHES ON CENTER MINIMUM AND LIMITED TO ONE ANCHOR PER CELL.
5. CONCRETE ADHESIVE EPOXY ANCHORS SHALL BE HIT RE-500 V3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-3814 OR APPROVED EQUIVALENT.
6. GROUT FILLED CMU ADHESIVE EPOXY ANCHORS SHALL BE HIT-HY 200 V3 BY HILTI, INC., TULSA, OKLAHOMA AS PER ICC REPORT NO. ESR-4878 OR APPROVED EQUIVALENT.
7. INSTALL EXPANSION AND EPOXY ANCHORS WITH SPECIAL INSPECTION IN ACCORDANCE WITH THE 2022 CBC, TABLE 1705.3, AND ALL REQUIREMENTS OF THE MANUFACTURER, THE MANUFACTURER'S ICC APPROVAL AND THESE DRAWINGS.
8. EXPANSION ANCHORS SHALL BE 304/316 STAINLESS STEEL U.O.N. EPOXY ANCHOR THREADED ROD SHALL BE ASTM F593 CW1 (316) (¼" TO ⅝") OR F593 CW2 (316) (¾" TO 1½") STAINLESS STEEL U.O.N.
9. LOCATE AND AVOID REINFORCEMENT AND OTHER EMBEDDED ITEMS WHEN INSTALLING ANCHORS, TYPICAL. SEE CONCRETE CORE DRILLING NOTES FOR ADDITIONAL INFORMATION.
10. THE SPECIAL INSPECTOR MUST MAKE PERIODIC INSPECTIONS DURING ANCHOR INSTALLATION TO VERIFY ANCHOR TYPE AND DIMENSIONS, CONCRETE MEMBER THICKNESS, ANCHOR SPACING, EDGE DISTANCES, TIGHTENING TORQUE, HOLE DIAMETER, DEPTH AND CLEANLINESS, ANCHOR EMBEDMENT AND ADHERENCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE NOTE 11 BELOW FOR FREQUENCY OF INSPECTIONS.
11. 50% OF ALL ANCHORS, INCLUDING ALTERNATE BOLTS IN A GROUP OF ANCHORS, SHALL BE INSPECTED PER NOTE 10 ABOVE AND TORQUE TESTED PER THE ICC REPORT TEST VALUES NOTED BELOW:

KB TZ2:

CONCRETE TORQUE TEST VALUES:
⅜"=30 FT LB ½"=40 FT LB ⅝"=60 FT LB ¾"=125 FT LB

CMU TORQUE TEST VALUES:
⅜"=15 FT LB ½"=25 FT LB ⅝"=35 FT LB ¾"=50 FT LB

EPOXY ANCHOR:

CONCRETE TORQUE TEST VALUES:
½"=30 FT LB
(CONCRETE TENSION TEST VALUES TO BE DETERMINED AS NEEDED. A RFI WILL BE ISSUED IF NEEDED DURING CONSTRUCTION TO ESTABLISH THE REQUIRED TENSION TEST VALUES)

CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19. CONCRETE MIX DESIGN SHALL BE REVIEWED BY AN INDEPENDENT TESTING LABORATORY AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
2. CONTRACTOR SHALL VERIFY SITE CONDITIONS & ALL DIMENSIONS PRIOR TO STARTING WORK. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES FOR RESOLUTION PRIOR TO PROCEEDING.
3. ALL CONCRETE SHALL BE A MINIMUM 5 SACK MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
4. CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
5. CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33.
6. ALL REINFORCING STEEL SHALL BE GRADE 60 AND CONFORM TO ASTM A615 UNLESS OTHERWISE NOTED. SEE PLAN FOR SIZE AND PLACEMENT.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.
8. REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION".
9. MINIMUM LAP SPLICE SHALL BE 56 BAR DIAMETERS UNLESS OTHERWISE NOTED.
10. MINIMUM BEND DIAMETER SHALL BE 6 BAR DIAMETERS UNLESS OTHERWISE NOTED.
11. MINIMUM REINFORCING COVERAGE IS 3" UNLESS OTHERWISE NOTED.
12. CONCRETE SHALL BE PLACED AGAINST FIRM UNDISTURBED NON EXPANSIVE SOIL AT DEPTH SHOWN. WHERE OTHER CONDITIONS ARE ENCOUNTERED DURING EXCAVATION THE ENGINEER SHALL BE NOTIFIED AND REMEDIAL MEASURES PRESCRIBED PRIOR TO PROCEEDING WITH WORK.
13. BOTTOM OF ALL FOOTING TRENCHES SHALL BE CLEAN AND LEVEL. REMOVE ALL DEBRIS BEFORE PLACING ANY CONCRETE.
14. ALL ANCHOR BOLTS & THREADED ROD SHALL BE ASTM F1554, GR.36 MINIMUM UNLESS OTHERWISE NOTED, NEW, & WITHOUT SIGNIFICANT RUST.
15. A ¾" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE UNLESS OTHERWISE NOTED.
16. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
17. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MOTORIZED VIBRATORY MEANS AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS.

CONCRETE CORE/DRILLING NOTES

1. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED OR POST-TENSIONED REINFORCED CONCRETE (MILD REINFORCED), USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS. WHEN INSTALLING ANCHORS INTO (E) PRE-STRESSED OR POST-TENSIONED CONCRETE LOCATE THE PRE-STRESSED OR POST-TENSIONED TENDONS BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, AT POINT OF PENETRATION, PRIOR TO INSTALLATION. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
2. WHEN CORING EXISTING REINFORCED CONCRETE OF ANY CONSTRUCTION TYPE (PRE-STRESSED, POST-TENSIONED OR MILD REINFORCED), LOCATE THE EXISTING REINFORCING BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, PRIOR TO CORING. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING ANY REINFORCING DURING CORING. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE CORE. THE MAXIMUM SIZE OF ANY CORE IS TO BE 6" DIAMETER AND THE MINIMUM SPACING BETWEEN CORES IS TO BE TWICE THE CORE DIAMETER (I.E. 12" SPACING FOR A 6" DIAMETER CORE).
3. INSPECTOR IS TO BE PRESENT DURING ALL CORE DRILLING OPERATIONS TO VERIFY THAT NO REINFORCING CABLES, TENDONS, OR REBAR HAVE BEEN CUT. (SEE NOTE 5 BELOW)
4. THE INSPECTOR SHALL SUBMIT A WRITTEN REPORT TO THE OWNER.
5. THE INSPECTIONS INDICATED IN NOTES 3 AND 4 ABOVE ARE NOT REQUIRED FOR A CONCRETE FILL OVER METAL DECK APPLICATION WHERE INDICATED ON THE CONSTRUCTION DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL STEEL CONSTRUCTION INCLUDING FABRICATION, ERECTION AND MATERIALS SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2016 AISC SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND THE 2022 CBC.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED. ALL WF (WIDE FLANGE) & WT (TEE) SHAPES TO BE ASTM A992 (F_Y=50,000 PSI) UNLESS NOTED OTHERWISE. ALL STRUCTURAL TUBING (TS OR HSS) SHALL BE ASTM A500 GRADE C (F_Y=50,000 PSI FOR RECT HSS & F_Y=46,000 PSI FOR ROUND HSS PER AISC MANUAL TABLE 2-4) ALL STEEL PIPE SHALL BE ASTM A53 (TYPE E OR S, GRADE B (F_Y=35,000 PSI)) SCHEDULE 40 WITH OUTSIDE DIAMETERS GIVEN UNLESS OTHERWISE NOTED.
3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES UNLESS OTHERWISE NOTED AND SHALL CONFORM TO AISC & AWS D1.4. WHERE FILLET WELD SIZES ARE NOT SHOWN PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC SPECIFICATION. PAINTED SURFACES SHALL BE TOUCHED UP.
4. ALL WELDING SHALL BE PERFORMED BY QUALIFIED, CERTIFIED WELDERS.
5. HIGH STRENGTH BOLTS SHALL BE GALVANIZED ASTM F3125/F3125M GRADE A325 MINIMUM. BOLTED CONNECTIONS SHALL BE BEARING TYPE. SEE PLANS FOR LOCATION, NUMBER, & SIZE OF BOLTS.
6. HIGH STRENGTH BOLT NUTS SHALL BE ASTM A563/A563M AND WASHERS SHALL BE ASTM F436/ F436M.
7. THREADED RODS SHALL BE ASTM F1554, GR 36 U.O.N. BOLTED CONNECTIONS SHALL BE BEARING TYPE.
8. ALL HOLES FOR BOLTED CONNECTIONS SHALL BE 1/16" LARGER THAN THE NOMINAL BOLT DIAMETER. USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS NOTED OTHERWISE. HOLES FOR ANCHOR BOLTS IN BASE PLATES MAY BE AISC "OVERSIZE" HOLES WHERE ACCOMPANIED BY OVERSIZED HARDENED HOT DIPPED GALVANIZED WASHERS.
9. ALL SHOP FABRICATED STEEL STRUCTURAL MEMBERS FOR EXTERIOR USE SHALL BE HOT DIP GALVANIZED PER ASTM A123 AFTER FABRICATION & PAINTED PER CUSTOMER SPECIFICATIONS AS REQUIRED. STEEL FOR INTERIOR USE SHALL BE SHOP COAT OR GALVANIZED & PAINTED.
10. ALL FIELD FABRICATED GALVANIZED STEEL THAT IS CUT, GROUND, DRILLED, WELDED OR DAMAGED SHALL BE TREATED WITH "ZINC RICH" COLD GALVANIZING SPRAY OR COATING. NO RAW STEEL SHALL BE EXPOSED.
11. AT ALL WEB STIFFENER PLATES LEAVE ¾"ø (OR K, WHICHEVER IS LARGER) HOLE @ WEB/FLANGE INTERSECTION UNLESS NOTED OTHERWISE.
12. U-BOLTS AT ANTENNA & RRU MOUNT TO BE GALVANIZED SAE J429, GRADE 2 WITH J995 NUTS U.O.N.
13. ALL STRUT MEMBERS USED IN EXTERIOR APPLICATIONS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123 OR ASTM A153.
14. ALL STAINLESS STEEL BOLTED CONNECTIONS SHALL BE ASTM F593-17 ALLOY GROUP 1 OR 2 AND STAINLESS STEEL NUTS SHALL BE ASTM F594-09 (2015).

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:
Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OR ENTITY OTHER THAN THE ENGINEER, WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
T-1.2

SIGNAGE AND STRIPING INFORMATION

1. THE FOLLOWING INFORMATION IS A GUIDELINE WITH RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATION SHOULD BE IN CONFLICT WITH ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.

2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS $1mWcm^2$ AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY VERIZON WIRELESS IS $5mWcm^2$

3. IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR ROOF LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.

4. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR CANNOT BE LOCKED OR THERE IS AN EXISTING FIRE EGRESS), THEN BOTH BARRICADES AND STRIPING WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.

5. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS NOT EXCEEDED AND THE AREA IS NOT PUBLICLY ACCESSIBLE (e.g. ROOF ACCESS DOOR IS LOCKED), THEN JUST STRIPING OUT TO THE PUBLIC LIMIT WILL BE NEEDED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE STRIPING WILL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER THE CONSTRUCTION OF THE SITE. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH STRIPING.

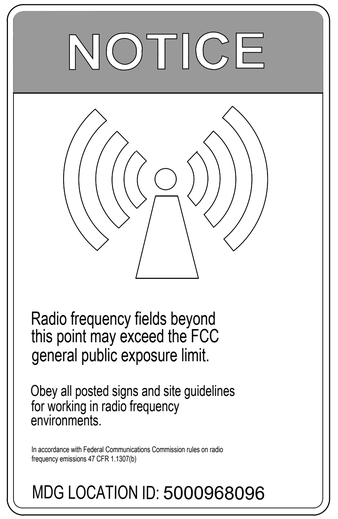
6. ALL TRANSMIT ANTENNAS REQUIRE A (3) THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES IN PLAIN SIGHT AND THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNAS THEMSELVES OR ON THE OUTSIDE OF THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY WITH ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS WILL HAVE VERIZON WIRELESS'S NAME AND THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER WILL BE PROVIDED TO THE CONTRACTOR BY THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.

7. PHOTOS OF ALL STRIPING, BARRICADES, AND SIGNAGE WILL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE AND WILL BE TURNED INTO THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE WITH FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS HATCH PATTERN. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO THAT THEY DO NOT BLOCK OR INTERFERE WITH THE OPERATION OF THE SITE AND SHALL BE PAINTED WITH FADE RESISTANT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED AND SHALL PROVIDE THE VERIZON WIRELESS CONSTRUCTION PROJECT MANAGER WITH A DETAILED SHOP DRAWING OF EACH BARRICADE.

8. ALL REQUIRED SIGNAGE WILL BE INSTALLED AS NEEDED AND FIELD VERIFIED.



1 TYPICAL ADDRESS SIGN DETAIL (@ LEASE AREA ACCESS DOOR)



2 TYPICAL CAUTION SIGN

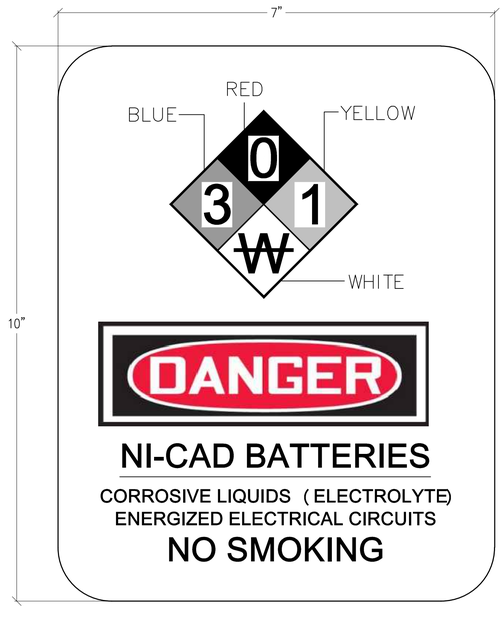
NOTE: SIGN TO BE PERMANENTLY MOUNTED AT ANTENNA LOCATIONS.



3 TYPICAL HAZARD SIGN



4 TYPICAL HAZARD SIGN



5 BATTERY SIGN

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2770 SHADELANDS DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC WHETHER THE PROJECT IS OR WHICH THEY ARE PREPARED IS EXECUTED. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT THE EXPRESS WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

SIGNAGE DETAILS

SHEET NUMBER:

T-1.3

DATE OF SURVEY: 03-19-25

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF MENDOCINO, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL UNLESS OTHERWISE NOTED.

FEMA FIRM ZONE "X" PER FIRM 06045C1225F DATED 06/02/2011.

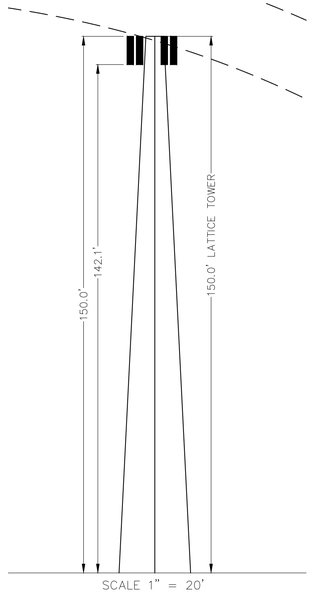
N.G.V.D. 1929 CORRECTION: SUBTRACT 2.93' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: 1 FT.

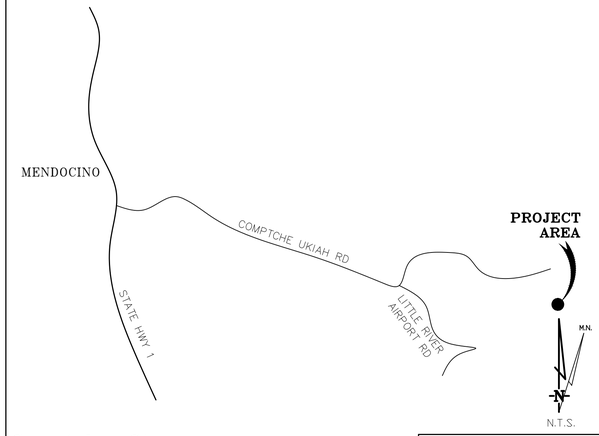
ASSESSOR'S PARCEL NUMBER: 125-010-26

LANDLORD(S) US CELLULAR
8410 WEST BRYN MAWR AVE
CHICAGO, IL 60631

OWNER(S): STATE OF CALIFORNIA
1 CAPITOL MALL STE 500
SACRAMENTO, CA 95814



SCALE 1" = 20'

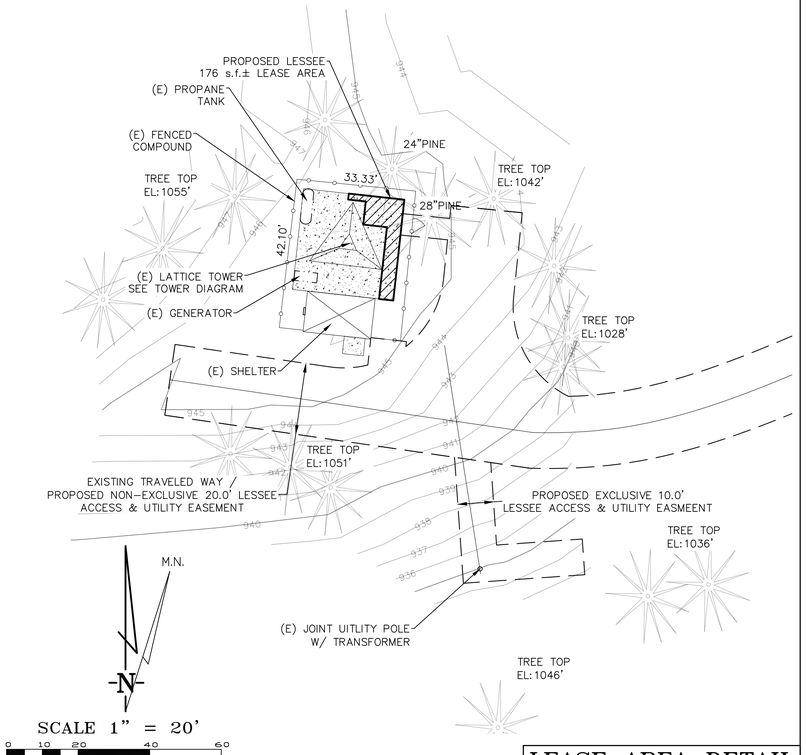


Comptche, CA

VICINITY MAP

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

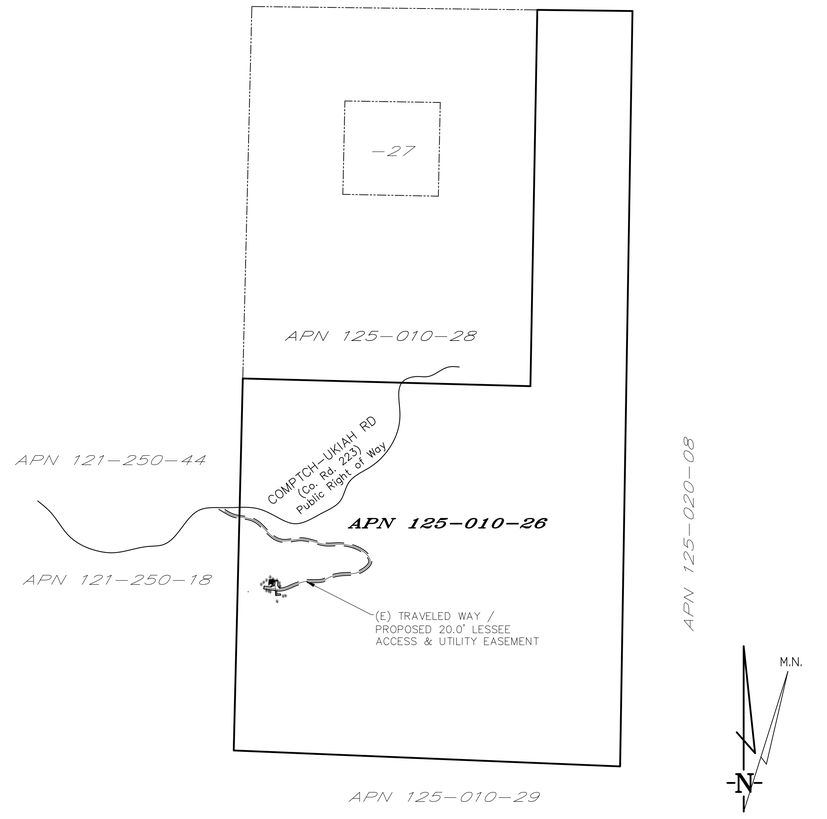
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.



SCALE 1" = 20'

0 10 20 40 60

LEASE AREA DETAIL



SCALE 1" = 500'

OVERALL PROJECT AREA

DEPT	APPROVED	DATE
A&C		
RE		
RF		
INT		
EE\IN		
OPS		
EE\OUT		

Surveyor
GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1226 HIGH STREET
AUBURN, CALIFORNIA 95603
phone: (530) 885-0426
fax: (530) 885-7000

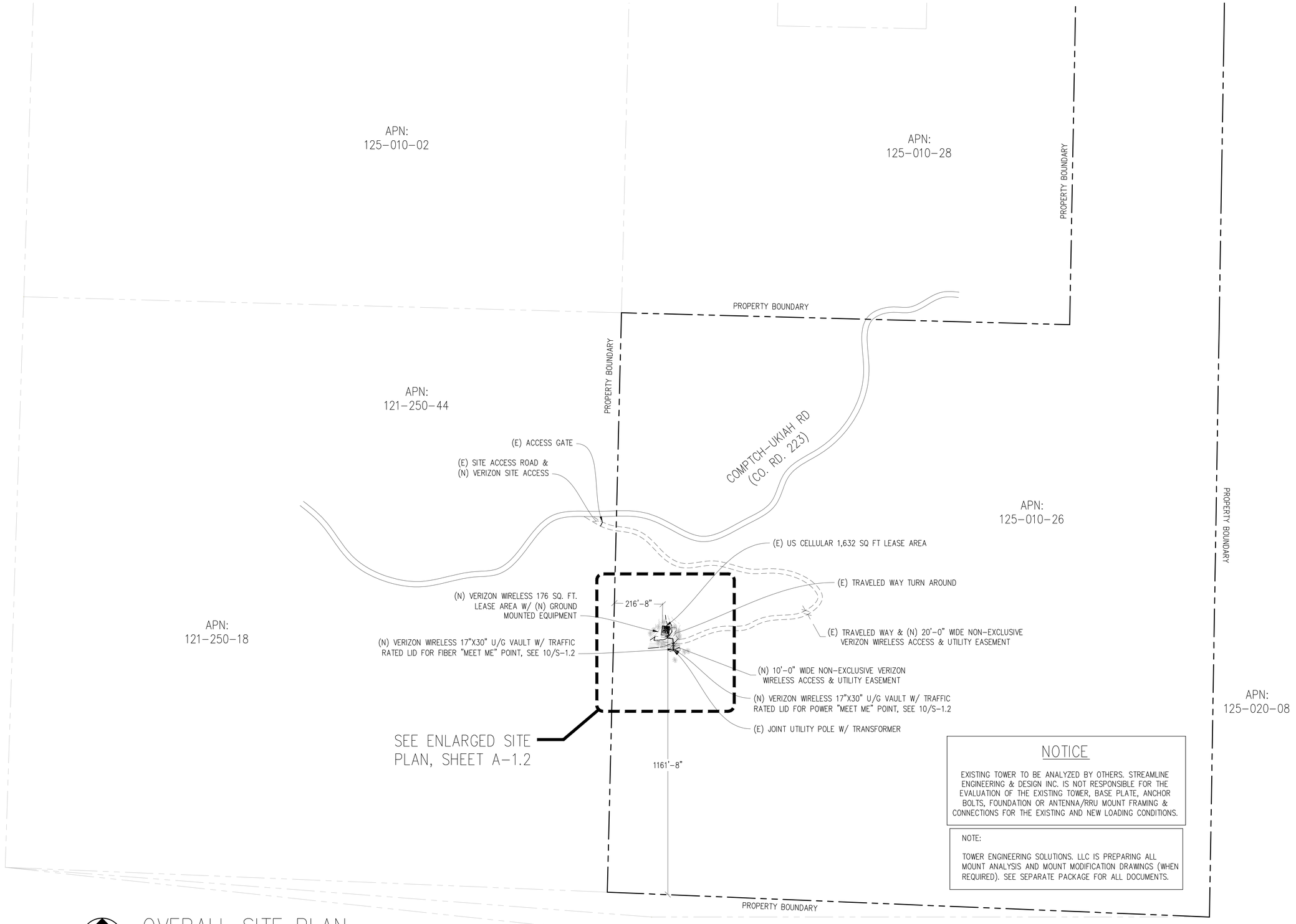
verizon

Comptche
38351 Comptche Ukiah Road
Comptche, CA 95460

PLOT PLAN AND
SITE TOPOGRAPHY

REVISIONS		
03-31-25	Preliminary Drawing	DG
04-30-25	rev. lease/esmts.	DG
06-01-25	rev. lease/esmts.	DG
08-12-25	rev. lease/esmts.	DG

Sheet
C-1



TN

OVERALL SITE PLAN

1"=200'-0"

0 100' 200' 400' 600' 1,000'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND IS A VIOLATION OF APPLICABLE COPYRIGHT LAWS. COPYRIGHT © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

OVERALL
SITE PLAN

SHEET NUMBER:

A-1.1

APN:
125-010-26

SEE COMPOUND PLAN,
SHEET A-1.3

(E) US CELLULAR LATTICE TOWER W/ (N) VERIZON WIRELESS ANTENNA & ANTENNA EQUIPMENT

(E) US CELLULAR 1,632 SQ FT LEASE AREA

(E) US CELLULAR 6' TALL CHAIN LINK FENCE W/ BARBED WIRE THROUGHOUT

(N) VERIZON WIRELESS 176 SQ. FT. LEASE AREA W/ (N) GROUND MOUNTED EQUIPMENT

(E) TRAVELED WAY TURN AROUND

(E) CARRIER SHELTER

(E) PINE TREES (TYP)

70'-0"

R28'-0", TYP

(E) TRAVELED WAY & (N) 20'-0" WIDE NON-EXCLUSIVE VERIZON WIRELESS ACCESS & UTILITY EASEMENT

(N) VERIZON WIRELESS 4" U/G CONDUIT FOR FIBER FROM (N) "MEET ME" POINT TO (N) TELCO BOX, APPROX. 115', SEE 5/S-1.2

(N) VERIZON WIRELESS U/G CONDUIT FOR POWER FROM (N) P.O.C TO (N) 200A METER, APPROX. ±80', SEE 5/S-1.2

(N) 10'-0" WIDE NON-EXCLUSIVE VERIZON WIRELESS ACCESS & UTILITY EASEMENT

(N) VERIZON WIRELESS 17"X30" U/G VAULT W/ TRAFFIC RATED LID FOR FIBER "MEET ME" POINT, SEE 10/S-1.2

(N) VERIZON WIRELESS 17"X30" U/G VAULT W/ TRAFFIC RATED LID FOR POWER & (N) POWER POC, SEE 10/S-1.2

(E) JOINT UTILITY POLE W/ TRANSFORMER

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

ENLARGED SITE PLAN

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

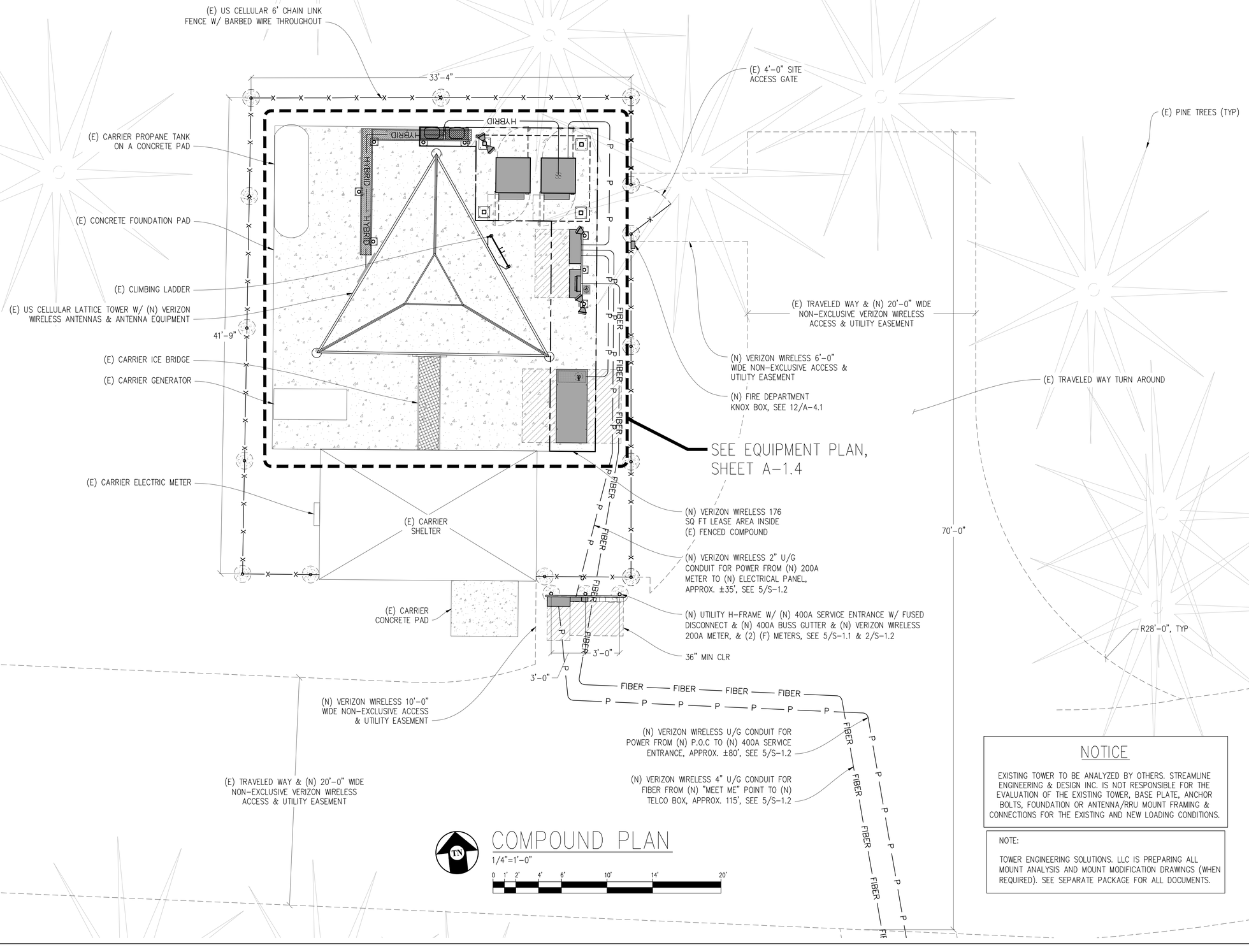
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REPRODUCTION OF THESE PLANS AND SPECIFICATIONS WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND ANY UNAUTHORIZED USE WILL BE AT THE RISK OF THE USER. Copyright 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ENLARGED SITE PLAN

SHEET NUMBER:

A-1.2



COMPOUND PLAN

1/4"=1'-0"

0 1' 2' 4' 6' 10' 14' 20'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

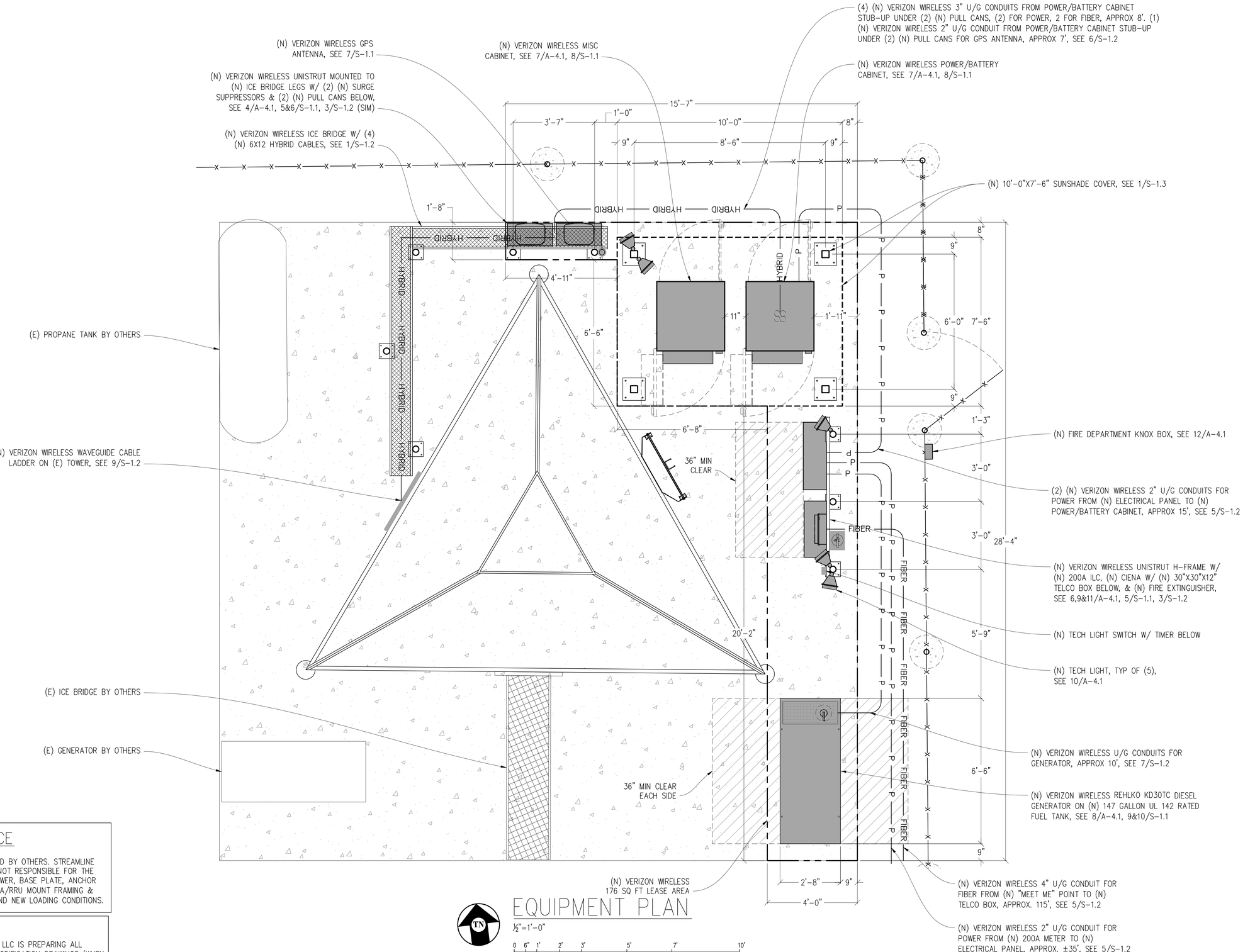
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE ARE EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

COMPOUND PLAN

SHEET NUMBER:

A-1.3



EQUIPMENT PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE ENGINEER, Copyright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

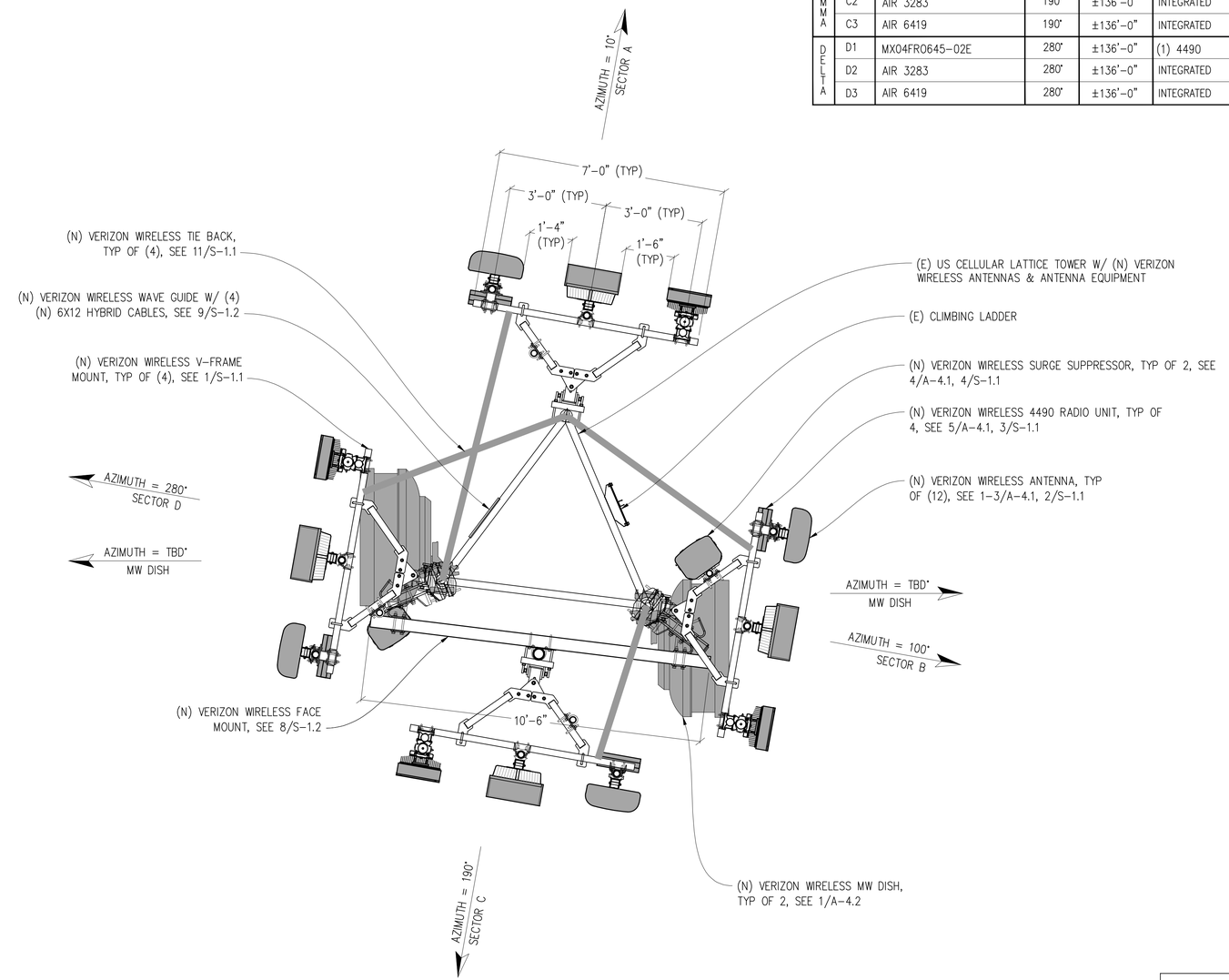
EQUIPMENT PLAN

SHEET NUMBER:

A-1.4

(N) RF SCHEDULE (PRELIMINARY & SUBJECT TO CHANGE)

SECTOR		ANTENNA MODEL NO.	AZIMUTH	CENTERLINE	RRU NO'S & MODEL #	# OF HYBRID CABLES	LENGTH OF CABLES	SURGE SUPPRESSOR
ALPHA	A1	MX04FRO645-02E	10°	±136'-0"	(1) 4490	SHARED	–	SHARED
	A2	AIR 3283	10°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	A3	AIR 6419	10°	±136'-0"	INTEGRATED	SHARED	–	SHARED
BETA	B1	MX04FRO645-02E	100°	±136'-0"	(1) 4490	SHARED	–	SHARED
	B2	AIR 3283	100°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	B3	AIR 6419	100°	±136'-0"	INTEGRATED	2	±180	(1) 6627
GAMMA	C1	MX04FRO645-02E	190°	±136'-0"	(1) 4490	SHARED	–	SHARED
	C2	AIR 3283	190°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	C3	AIR 6419	190°	±136'-0"	INTEGRATED	SHARED	–	SHARED
DELTA	D1	MX04FRO645-02E	280°	±136'-0"	(1) 4490	SHARED	–	SHARED
	D2	AIR 3283	280°	±136'-0"	INTEGRATED	SHARED	–	SHARED
	D3	AIR 6419	280°	±136'-0"	INTEGRATED	2	±180	(1) 6627



ANTENNA PLAN

½"=1'-0"

0 6" 1' 2' 3' 5' 7' 10'

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

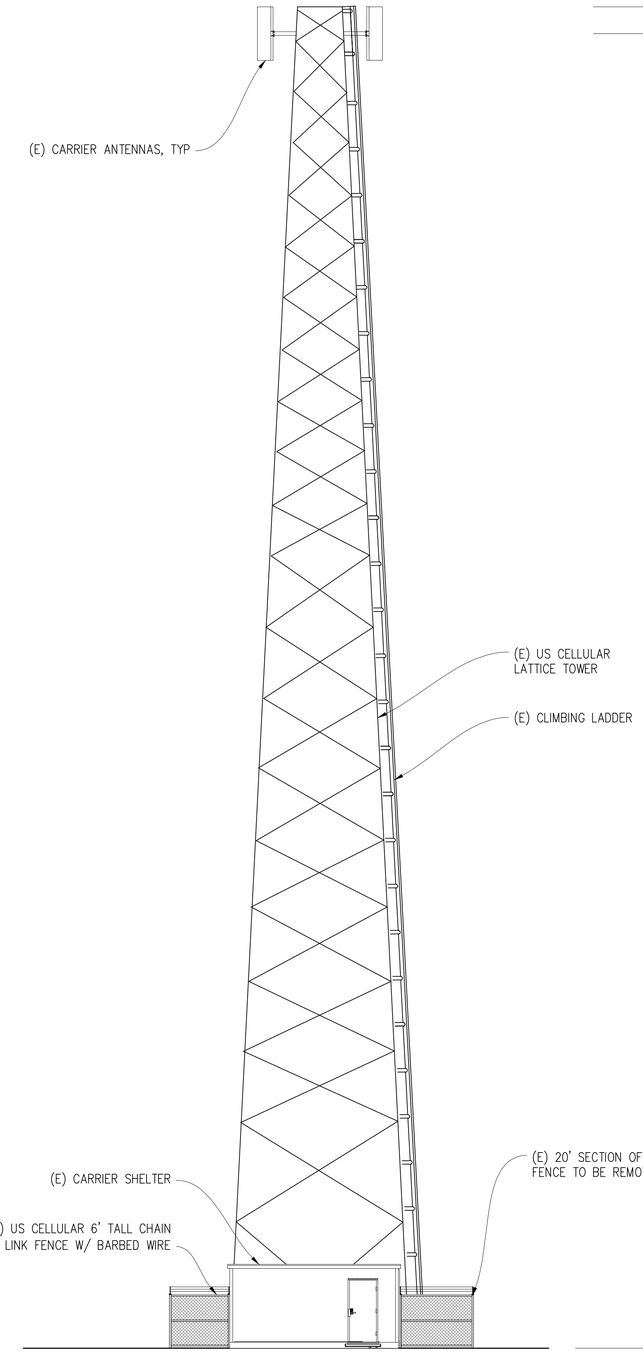
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS BY ANY PARTY WITHOUT THE EXPRESS WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ANTENNA PLAN

SHEET NUMBER:

A-2.1



TOP OF (E) LATTICE TOWER & (E) CARRIER ANTENNAS
±150'-0" A.G.L.

CENTER OF (E) CARRIER ANTENNAS
±147'-0"A.G.L.

TOP OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±141'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS ANTENNAS
±136'-0" A.G.L.

CENTER OF (N) VERIZON WIRELESS MW DISHES
±133'-0" A.G.L.

BOTTOM OF (N) VERIZON WIRELESS ANTENNA ENVELOPE
±131'-0" A.G.L.

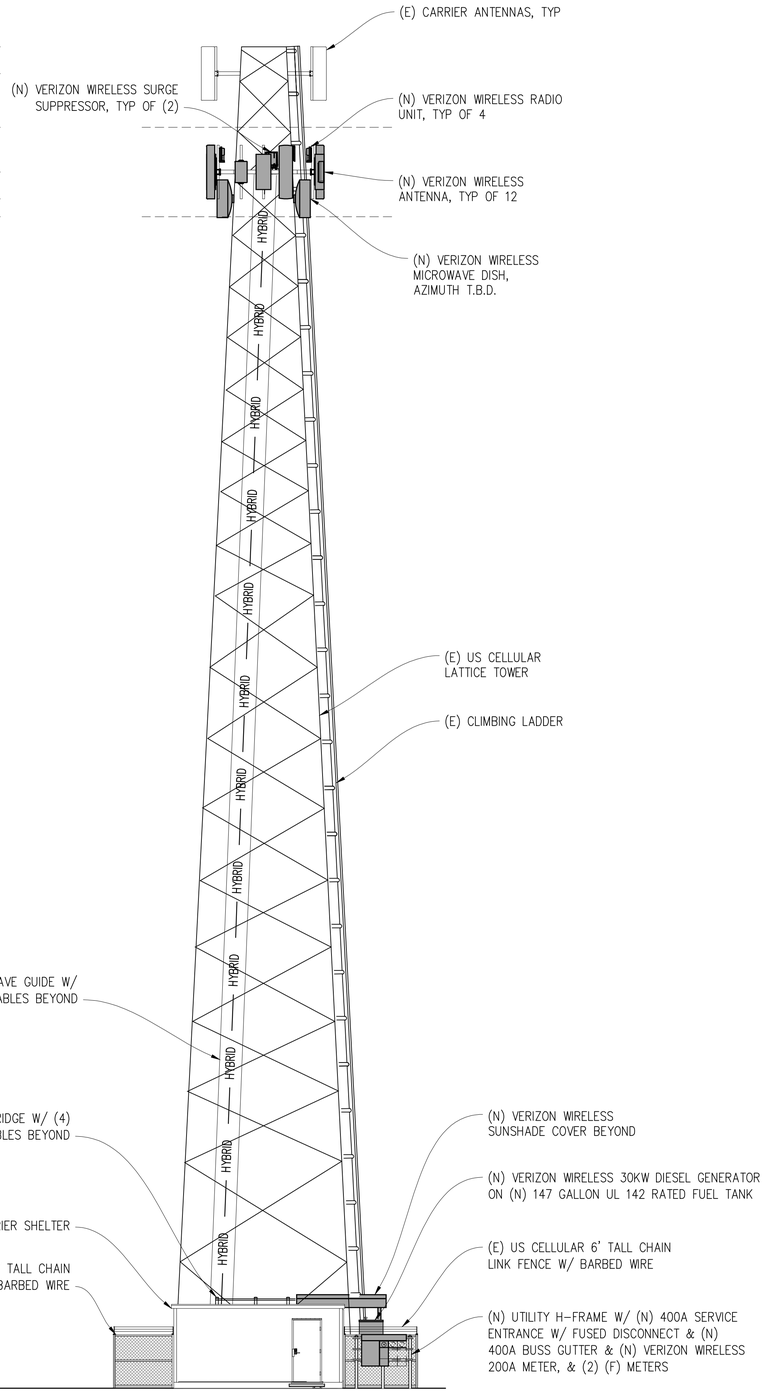
GROUND LEVEL
0'-0"

NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.



(E) SOUTH ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

(N) SOUTH ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen. Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

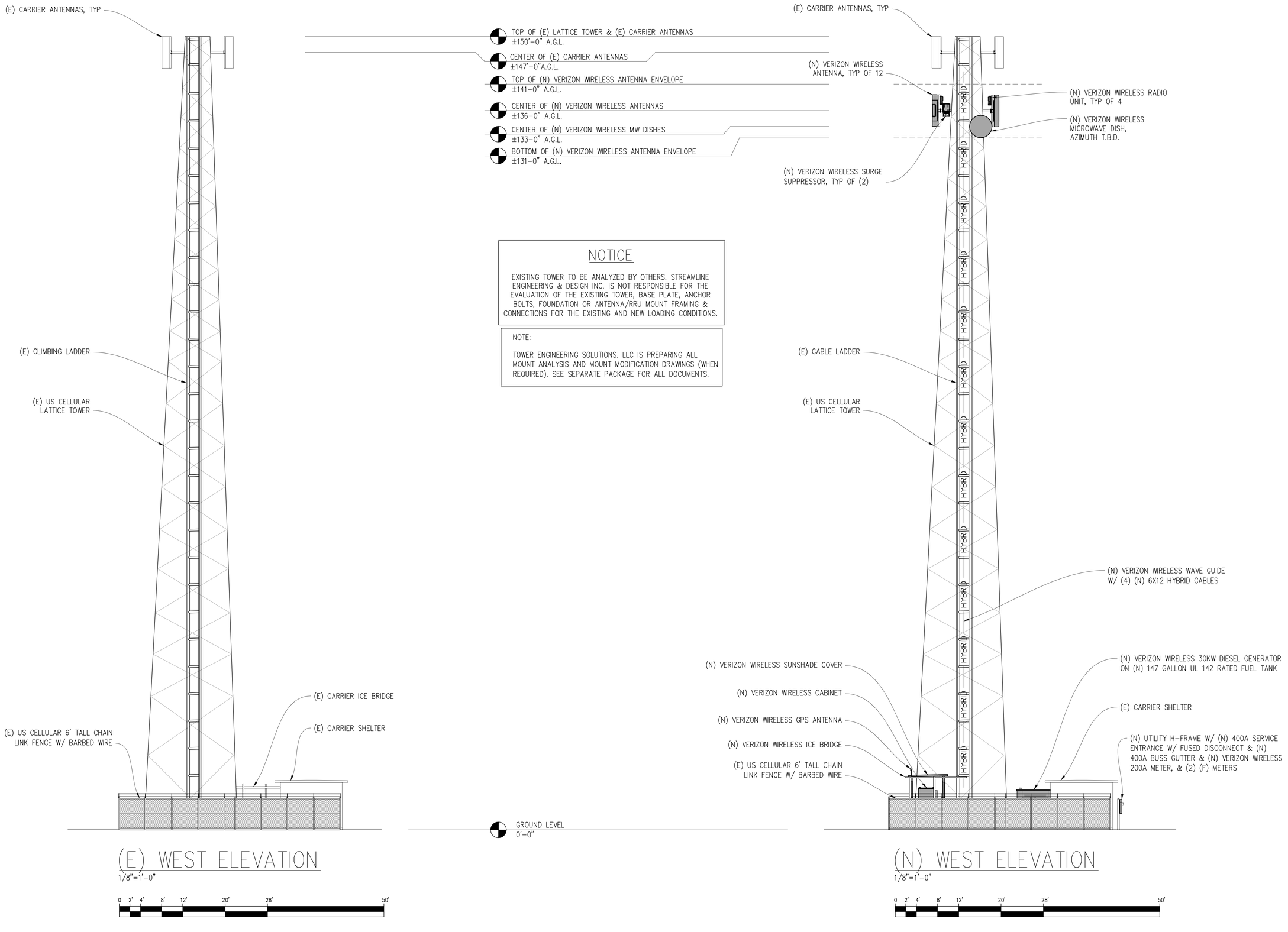
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE ARE EXECUTED OR NOT. THE REUSE OF ANY OF THESE PLANS BY ANY AUTHORIZED ENGINEER. Copyright © 2009, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELEVATIONS

SHEET NUMBER:

A-3.1



NOTICE

EXISTING TOWER TO BE ANALYZED BY OTHERS. STREAMLINE ENGINEERING & DESIGN INC. IS NOT RESPONSIBLE FOR THE EVALUATION OF THE EXISTING TOWER, BASE PLATE, ANCHOR BOLTS, FOUNDATION OR ANTENNA/RRU MOUNT FRAMING & CONNECTIONS FOR THE EXISTING AND NEW LOADING CONDITIONS.

NOTE:

TOWER ENGINEERING SOLUTIONS. LLC IS PREPARING ALL MOUNT ANALYSIS AND MOUNT MODIFICATION DRAWINGS (WHEN REQUIRED). SEE SEPARATE PACKAGE FOR ALL DOCUMENTS.

(E) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

(N) WEST ELEVATION

1/8"=1'-0"

0 2' 4' 8' 12' 20' 28' 50'

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

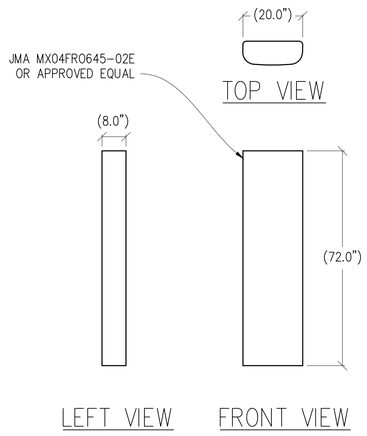
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT IS CONSTRUCTED OR NOT. THESE PLANS ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright © 2025 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELEVATIONS

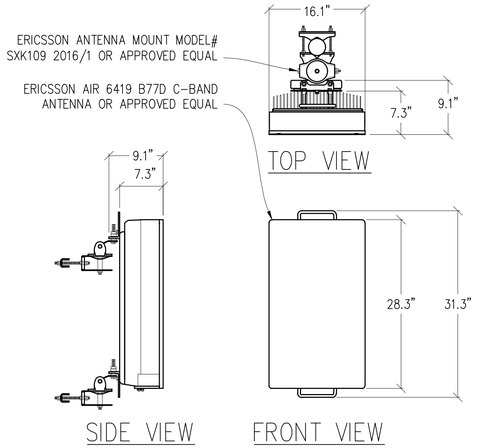
SHEET NUMBER:

A-3.2



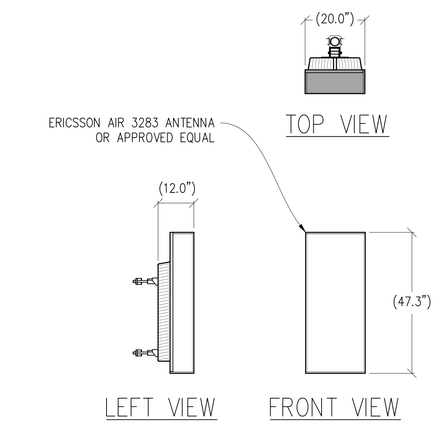
1 ANTENNA DETAIL

½"=1'-0" MAX WEIGHT: 28 LBS



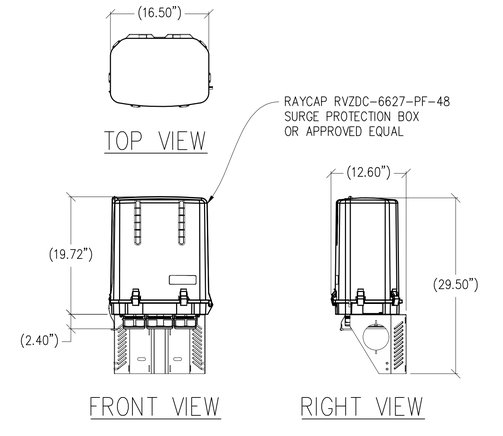
2 ANTENNA DETAIL

1"=1'-0" MAX WEIGHT: 64 LBS



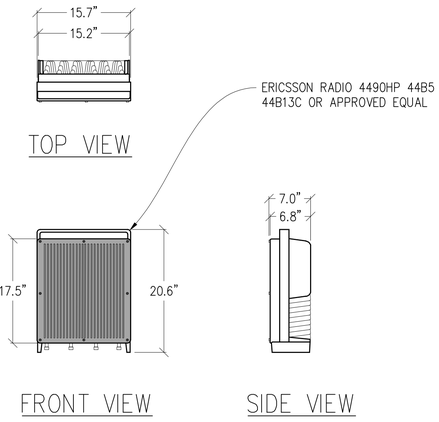
3 ANTENNA DETAIL

½"=1'-0" WEIGHT: 110 LBS



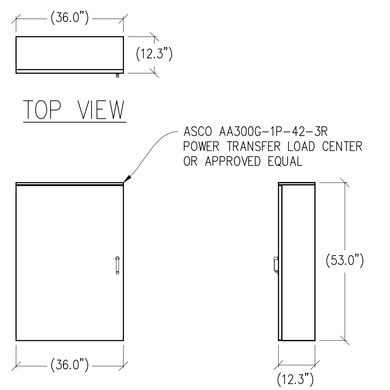
4 SURGE PROTECTION BOX

1"=1'-0" MAX WEIGHT: 32.0 LBS



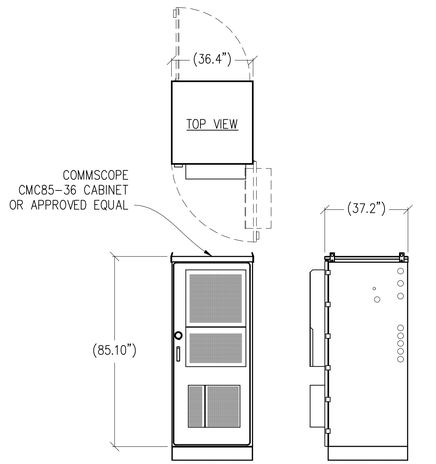
5 RADIO 4490HP DETAIL

1"=1'-0" MAX WEIGHT: 68.4 LBS



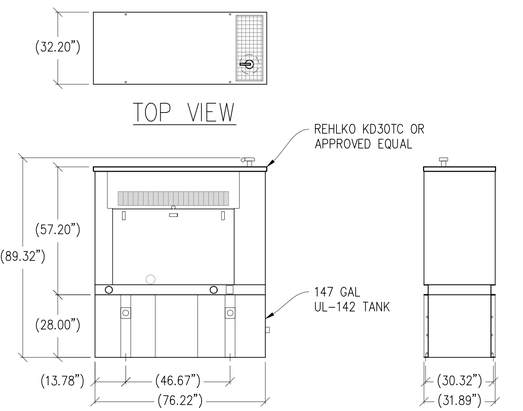
6 ILC CABINET DETAIL

½"=1'-0" MAX WEIGHT: 210 LBS



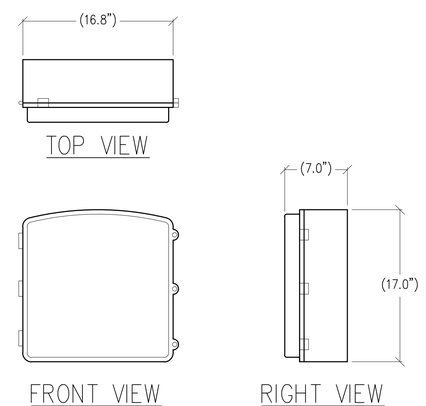
7 CABINET DETAIL

⅜"=1'-0" MAX WEIGHT: 1861 LBS



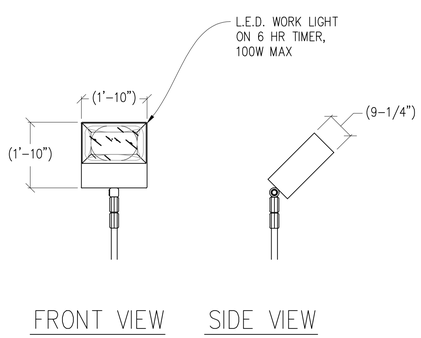
8 GENERATOR DETAIL

⅜"=1'-0" MAX FULL WEIGHT: 3,227 LBS



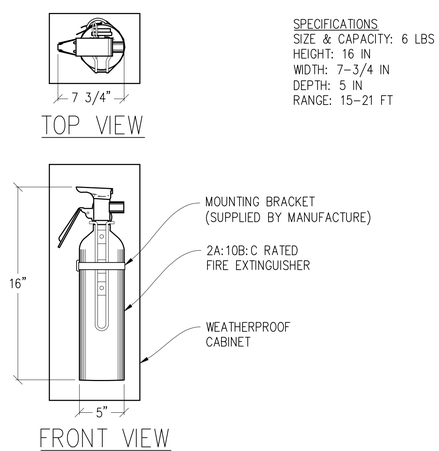
9 CN 3931 DETAIL

1½"=1'-0" MAX WEIGHT: 28.6 LBS



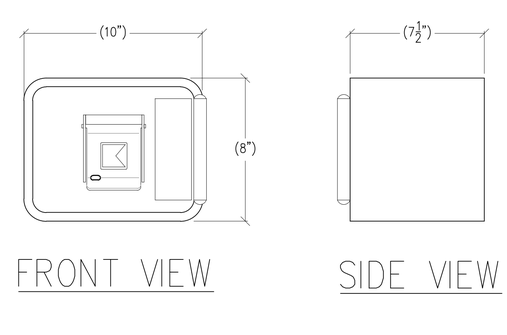
10 TECH LIGHT DETAIL

½"=1'-0"



11 FIRE EXTINGUISHER DETAIL

N.T.S.



12 KNOX-BOX 3200 DETAIL

3"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

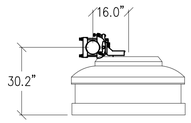
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY PERSON OTHER THAN THE AUTHORIZED ENGINEER, WITHOUT THE EXPRESS AND WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. COPYRIGHT © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

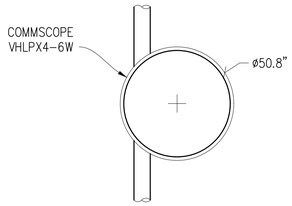
DETAILS

SHEET NUMBER:

A-4.1



TOP VIEW



FRONT VIEW

1 MICROWAVE DETAIL

3/8"=1'-0" MAX WEIGHT: 70.5 LBS

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 SPRUCE GROVE DR. BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6338
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. AND BY THE PROJECT'S TOP MAGOT TOWER, LLC. THEY ARE NOT TO BE CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

DETAILS

SHEET NUMBER:

A-4.2

saft

T-210 REV A

P/N: 80-94890-02

Tel.X-Plus 180 (5x8 Cell Block) Environmental Overview



Change History

Rev.	Description of Changes	By	Date
-	Initial creation, sections drafted	HBO	09/27/2021
A	Edited and released	HBO	10/04/2021

Section 5- Specifications and Design Standards

Conforms with quality, safety, and environmental standards

Meets the highest international standards, including:

Electrical and performances
- IEC 60623 compliant– Secondary cells and batteries containing alkaline or other non-acid electrolytes – vented nickel-cadmium prismatic rechargeable single cell
- Telcordia GR-3020 compliant – Nickel-cadmium batteries in the outside plant
- NFC 15-100 compliant – Low-voltage electrical installations

Safety
- EN 50272-2/IEC 62485-2 –Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries
- UL 94 VO: UL standard for flammability safety of plastic materials for parts in devices and appliances testing
- UL 1989 – Safety for standby batteries certified by Intertek
- Telcordia – GR 63 NEBS level 3 – NEBS requirements for physical protection
- Telcordia – GR 1089 NEBS level 3 – Electromagnetic compatibility and electrical safety – generic criteria for network telecommunications equipment

Quality
- ISO 9001
- Saft world class continuous program

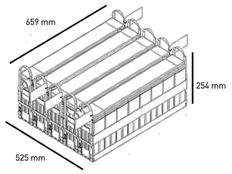
Environment
- Fully recyclable
  RoHS – Although batteries and accumulators are not within the scope of the RoHS directive, Saft has taken voluntary measures to ensure that the substances prohibited by RoHS are not present in the battery, except for the electro-chemical core
- REACH – The Saft Group has adopted internal procedures to ensure conformity with the European REACH (Registration, Evaluation, Authorization, and Restriction of Chemical Substances) Regulation

Section 1- Tel.X-Plus 180 Specifications

String Part Number: 80-94890-02

Dimensions per String:

Length	25.9 in	659 mm
Width	20.7 in	525 mm
Height	10.0 in	254 mm
Weight	365 lb	165.5 kg



String Nominal Capacity / Energy: 172 Ah / 8.2 kWh

Performance after 24-hour constant voltage float charge to 1.43VDC per cell at +25°C (+77°F) with a minimum charge current of 0.1 CA Amp* down to various end of discharge voltages

End of Discharge Voltage (VDC/Cell)	Discharge rate hours (Amps)											
	0.25	0.5	1	2	3	4	5	8	10	12	19	24
1.00	360.0	290.0	178.0	90.0	60.0	45.1	36.2	22.8	18.5	15.6	10.7	8.3
1.05	330.0	252.0	170.0	87.0	58.5	44.0	35.3	22.3	18.0	15.1	10.3	7.95
1.10	287.5	225.0	155.0**	84.0	57.5	43.1	34.5	21.6	17.4	14.7	10.1	7.75
1.14	225.0	180.0	130.0	80.0	55.0	41.4	33.2	20.9	16.9	14.2	9.7	7.5

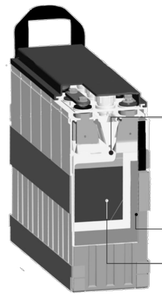
End of Discharge Voltage (VDC/Cell)	Discharge rate hours (Watts)											
	0.25	0.5	1	2	3	4	5	8	10	12	19	24
1.00	349.2	308.8	198.0	104.0	70.4	53.0	42.5	26.8	21.8	18.4	12.7	9.9
1.05	336.1	271.3	190.0	101.0	68.8	51.8	41.6	26.3	21.3	17.9	12.3	9.5
1.10	306.7	244.4	174.0**	98.0	67.8	50.9	40.8	25.6	20.7	17.4	12.0	9.3
1.14	248.8	204.1	147.0	94.0	65.2	49.0	39.4	24.8	20.1	16.9	11.7	9.0

* 0.1 CaAmp for TLX+180 equates to 17.2Amps
** Derating factor for 1-hour discharge rate at +5°C (+41°F) to 1.1VDC/cell is 7.8%
Power cable selection: The selection of power cables used within the installation of Saft Batteries is a function of:
1- Installation location: dry, damp, or wet (as defined by the NEC code)
2- Maximum ambient operating temperature
3- Maximum sustained current (amperage) applied during charge or discharge
Follow standards mandated by the application such as GR947

Section 2- Metal and Electrolyte Calculations

Cadmium metal *(Weight per String)*	65.2 lb	29.57 kg
Nickel metal *(Weight per String)*	64.8 lb	29.39 kg
Cobalt metal *(Weight per String)*	6.0 lb	2.72 kg
Cadmium metal %	17.62%	
Nickel metal %	17.51%	
Cobalt metal %	1.62%	
Electrolyte %	23.9%	
Other Materials % *(Metal Connectors, Plastic, etc.)*	<40%	

Electrolyte Solution (bound and free) pounds per String	87.2 lb
Electrolyte Solution (bound and free) gallons per String	8.90 gallons



Electrolyte inside the cells is a water-based solution of 30% potassium hydroxide. Highly conductive, it remains liquid down to-40°C (-40°F).

The negative plate uses cadmium active mass to provide useful capacity.

The positive plate uses nickel active mass to provide useful capacity.

Section 3- Tel.X- Plus 180 Gassing

Op. type	VPC	T (°C / °F)	H_2 per cell (l/h)	H_2 per 40-cell string (l/h)	H_2(cfm x 10^{-4} X C8)	H_2(cfm x 10^{-4} X C8) per 40-cell string
Floating	1.45	+25 / +77	0.0000240	0.00096	0.00008	0.00328
Floating	1.45	+45 / +113	0.0013100	0.05240	0.00448	0.17931
Floating	1.45	+60 / +140	0.0102200	0.40880	0.03497	1.39890

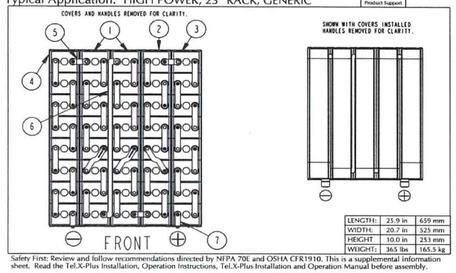
- During normal operation, hydrogen gas, oxygen gas, and water vapor are exhausted through the cell vent. Exhausted gases result in the electrolyte's water consumption.
- Gassing from electrolysis occurs mainly during overcharging and, to a lesser degree, during float charging. It will not occur during battery storage, normal discharging, or during the early re-charging stage (cell voltage must rise above 1.23 VDC for electrolysis to take place).
- During overcharging, electrolysis occurs with a fixed stoichiometry rate of 1 cm^3 of water consumed for every 3 Ah of overcharge. For every 1 cm^3 of water electrolyzed and exhausted, approximately 690 cm^3 of oxygen is generated on the positive electrodes and 1380 cm^3 of hydrogen on negative electrodes.

Section 4- Short Circuit

A battery's short circuit current is dependent on its state of charge and internal temperature.
- A fully charged Tel.X-Plus battery string can deliver a short circuit current in excess of 10 C_6A (i.e.: a 172 Ah Tel.X-Plus battery string can generate a short circuit current of 1720 Amps).
- Short circuit currents through an electrical conductor of any kind are high enough to melt metal and plastic. It is therefore important to your safety that all conductive jewelry or alike (rings, watches, bracelets, etc.) are removed before installing a battery.

saft

String Instruction Sheet 80-94890-02
Tel.X-Plus Ni-Cd Battery
Typical Application: HIGH POWER, 23" RACK, GENERIC



LENGTH:	25.9 in	659 mm
WIDTH:	20.7 in	525 mm
HEIGHT	10.0 in	253 mm
WEIGHT:	365 lbs	165.5 kg

Safety First: Review and follow recommendations directed by NFPA 70E and OSHA CFR1910. This is a supplemental information sheet. Read the Tel.X-Plus Installation, Operation Instructions, Tel.X-Plus Installation and Operation Manual before assembly.

PARTS LIST

ITEM	CHK	PART No.	DESCRIPTION	QTY
1		80-04788-08	BLOCK TLX+180 8-CELL	2
2		80-04788-18	BLOCK TLX+180 8-CELL	1
3		80-04788-28	BLOCK TLX+180 8-CELL	1
4		80-04788-38	BLOCK TLX+180 8-CELL	1
5		80-03979-10	BUSBAR INTERBLOCK W/TUBING (TLX)	3
6		80-04807-01	CONNECTOR INTERBLOCK TLX180-8 W/POST	1
7		80-04698-14	KIT ADAPTER TERMINAL FRT TLX180	1
8		80-03928-40	KIT INSTALLATION Tel.X-Plus	1

INSTALLATION KIT (not shown)

CHK	PART No.	DESCRIPTION	QTY
	80-03541-02	LABEL , TLX+ 40-CELL, TCV DISABLED	1
	80-04283-01	LABELS NUMERICAL	1
	025544-001	CORROSION INHIBITOR	1
	025583-000	SCREW, M6 X 1.0, 10MM, SS	3
	100110	WASHER SPRING M6 AC	3
	22008	INSTALLATION AND OPERATION SHEET	1

SPECIAL INSTRUCTIONS:
1. Scan QR code for Product Support Document & Battery Installation video.
2. Prior to assembly, use the CHK column in the parts list to assure all parts & kit parts have been received.
3. ● Indicates positive terminal.

⚠1 Use "Labels numerical" provided to identify each cell of the battery string. Starting with battery string positive end as cell number one, subsequently serialize the cells following the electrical path resulting in numbering battery string negative end cell as #40.

⚠2 Measure OCV and record using I/O sheet.

⚠3 Use corrosion preventer (Nei-Oil) provided to lightly coat exposed metal at all terminal end lug connections.

⚠4 Torque value: 10.8 ± .5 Nm (96 ± 4 in lb) .

⚠5 After an electrical connection is made, reinstall block cover.

⚠6 ⚠Affix "label -57.2 VDC & TCV disabled" labels onto or near the battery string and rectifier to inform that the float voltage should be set to 57.2 VDC and TCV should be disabled.

Saft America, Inc.
711 Gil Harbin Industrial Blvd
Valdosta Georgia, 31601 - USA
Tel: (229) 247 2331
Fax: (229) 247 8486

www.saftbatteries.com

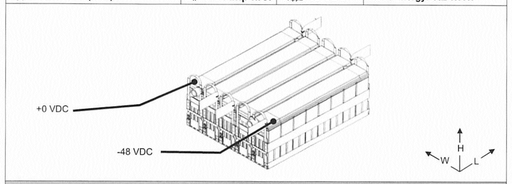
Doc. n° IO-80-94890-02
Revision: D. Sheet 1 of 8
Data in this document is subject to change without notice and become contractual only after written confirmation by Saft. Proprietary information. Any duplication or reproduction without authorization of Saft is strictly prohibited.

TotalEnergies

Return to TOC

80-94890-02 Verizon

Type: TLX+180 (x40)	C_n: 172 Amp-hrs.	$V_{Appl.}$: 48 VDC	Nom. Energy: 8.2 kWh



STRING

Type	Saft P/N	String Dimensions (W x L x H)	(525 x 659 x 254) mm (20.67 x 25.94 x 10.00) inches
Battery String	80-94890-02		
Installation Kit	80-03928-40	String Weight	165.5 kg 365.0 lb
Bus bar	80-03979-10		
Connector Interblock w/ tubing	80-04807-01		
Kit Adapter Terminal Frt. TLX180	80-04698-14		

BLOCKS / MODULES

Type	Saft P/N	Qty	Block Dimensions (W x L x H)	Block Weight
TLX 180-8	80-04788-08	2	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-18	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-28	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb
TLX 180-8	80-04788-38	1	(105 x 659 x 254) mm (4.13 x 25.94 x 10.00) inches	32.7 kg 72.1 lb

CELL

Type	Saft P/N	Qty	CLEI	CPR
TLX+180	80-03832-01	40	PWHYAM8TRA	212341

Return to TOC

CFC CHAPTER 12 COMPLIANCE

TOTAL = 2 STRINGS X 8.256 kWh/STRING = 16.51 kWh

(SINCE LESS THAN 70kWh OF CAPACITY, CFC CHAPTER 1207, TABLE 1207.1.1, SECTIONS 1207.1.2–1207.11.10 NOT APPLICABLE)

BATTERY INFORMATION (BATTERY CAPACITY DATA–48V STRINGS)

BATTERY MODEL	TOTAL # OF STRINGS INSTALLED	AMP HOURS PER STRING	TOTAL VOLTS PER STRING	TOTAL kWh / # OF STRINGS x AMP HOURS PER STRING x VOLTS PER STRING / 1000
SAFT TLX+180 80–94890–02	2	172Ah	48V	2 x 172Ah x 48V/1000 = 16.51kWh < 70kWh

BATTERY DATA CHART

NEW BATTERIES

BATTERY TYPE: SAFT TLX+180 (80–94890–02)
NUMBER OF STRINGS: 2
WEIGHT: 365 LB/STRING X 2 = 730 LB
TOTAL KWH: 172AH X 48V X 2 / 1000 = 16.51 KWH

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6338 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

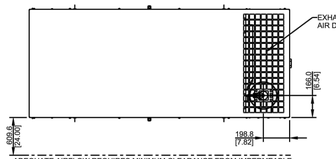
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED AND IS A VIOLATION OF APPLICABLE COPYRIGHT LAWS. ©COPYRIGHT 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

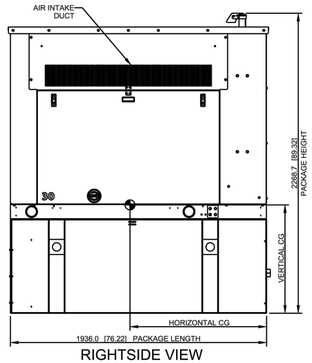
BATTERY SPECIFICATIONS

SHEET NUMBER:

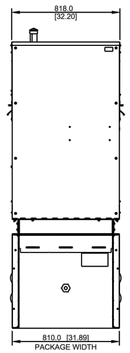
A-5.1



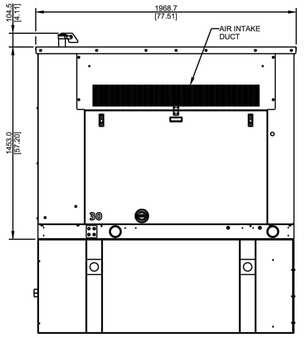
TOP VIEW



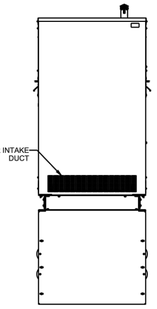
RIGHTSIDE VIEW



FRONT VIEW



LEFTSIDE VIEW



REAR VIEW

NOTE:
1.) DIMENSIONS IN [ ] ARE ENGLISH UNIT EQUIVALENTS.
2.) 6 AMP BATTERY CHARGER.
3.) 120VAC ENGINE BLOCK HEATER.
4.) 120VAC BATTERY HEATER.
5.) GENERATOR MUST BE GROUNDED.
6.) MUST ALLOW FREE FLOW OF DISCHARGE AIR AND EXHAUST.
7.) MUST ALLOW FREE FLOW OF INTAKE AIR.
8.) BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
9.) SEE TABLE ON SHEET 3 FOR SUBBASE FUEL TANK CAPACITY.
10.) TANK EQUIPPED WITH FIRE SAFETY VALVE ON FUEL SUPPLY LINE.
11.) IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS AND REGULATIONS.
12.) GENERATOR IS INSTALLED ON A UL-142 RATED DOUBLE WALL SUBBASE FUEL TANK.

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	(D-8) CLEARANCE NOTE UPDATED, (B-4)	JB2
		881.0 REMOVED, SEE SHEET 3	

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

rehlko

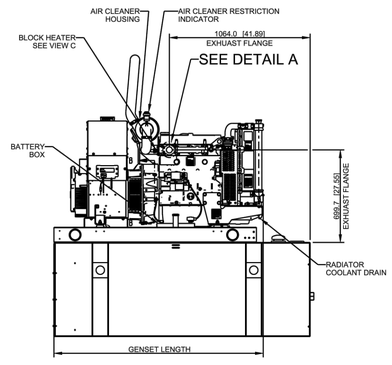
UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 1 OF 3

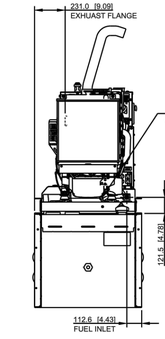
DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

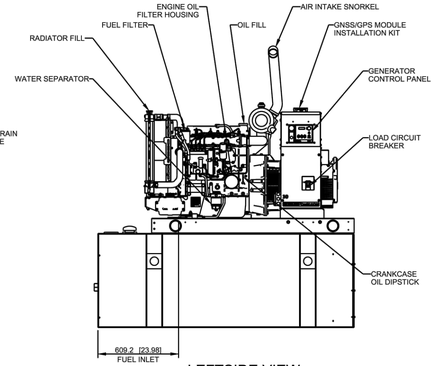
MODEL	ALTERNATOR	PACKAGE MAXIMUM WEIGHT (WET)	(HORIZONTAL CG) (WET)	(VERTICAL CG) (WET)	GENSET LENGTH
30	TAL042D	1050 KG [2315 LBS]	1032 [40.6]	819 [32.3]	1581 [62.3]



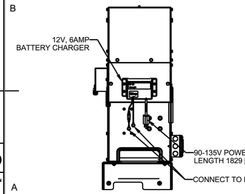
RIGHTSIDE VIEW



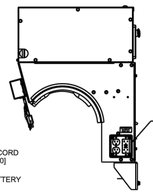
FRONT VIEW

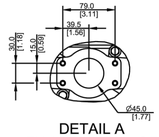


LEFTSIDE VIEW



SECTION B-B
BATTERY CHARGER
SCALE 0.08





DETAIL A
EXHAUST FLANGE
SCALE 0.25



VIEW C
BLOCK HEATER
SCALE 0.150

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	SEE SHEETS 1 & 3	JB2

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

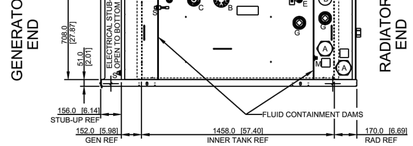
rehlko

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 2 OF 3

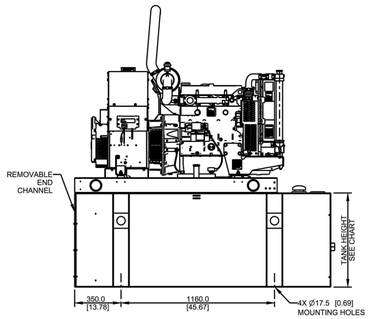
DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

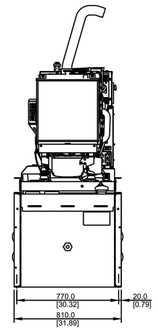


MODEL	TANK P/N	TANK HEIGHT	DESCRIPTION	ASSY WEIGHT
30	10503026800-KA1	711.2 [28.00]	STANDARD TANK, 147 GAL	465 KG [1005 LBS]

TANK FITTINGS:
A. 3" NPT EMERGENCY VENT FITTING PER NFPA 30 WITH VENT CAPS (QTY 2).
B. 2" NPT WATER TIGHT FUEL FILL FITTING WITH LOCKABLE CAP, AND 3" RISER.
C. 2" NPT FOR FUEL LEVEL SENDING UNIT WITH MECHANICAL INDICATOR NEEDLE.
D. 2" NPT NORMAL VENT FITTING WITH MUSHROOM VENT CAP AND 5" RISER.
E. 1/2" NPT FITTING FOR REMOVABLE ENGINE SUPPLY DIP TUBE (3/8" NPT FEMALE WITH CHECK & FIRE SAFETY VALVES AND LOCKOUT COVER).
F. 1/2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 1/2" NPT PIPE PLUG).
G. 2" NPT ADDITIONAL FITTING FOR OPTIONAL ACCESSORY (INSTALL STEEL 2" NPT PIPE PLUG) (QTY 2).
M. 1/2" NPT BASIN DRAIN (INSTALL STEEL 1/2" NPT PIPE PLUG)
S. 1/2" NPT FITTING FOR ENGINE FLUID CONTAINMENT BASIN FLOAT SWITCH (QTY 2).



RIGHTSIDE VIEW



FRONT VIEW

VERIZON
30KW KD30TC
ENCLOSURE WITH
STANDARD TANK

REV	DATE	ON COMPOSITE DWGS, SEE PART NO. FOR REVISION LEVEL ☐ INDICATES PART NUMBERS AFFECTED BY LATEST DRAWING REVISION	BY
-	11MAR2024	RELEASE FOR PRODUCTION	PBG
A	10NOV2024	(D-6) FLUID CONTAINMENT DAMS NOTE ADDED, SEE SHEET 1.	JB2

DO NOT SCALE.
THIS ASSEMBLY OR PART MUST COMPLY WITH PEP-RML-001.
REFERENCE CAD MODEL FOR UNSPECIFIED DIMENSIONS.

rehlko

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN MILLIMETERS
STANDARD TOLERANCES:
X.XX ± 0.25
X.X ± 1.0
X ± 2.0
ANGLES ±0° 30'
BEND ANGLES ± 1°
SURFACE FINISH
MAX.

MAJOR 0 | CRITICAL 0 | 0
CHARACTERISTICS COMPLY WITH KPS-80022
THIRD ANGLE PROJECTION
SCALE: 0.05 | SHEET SIZE: B | SHEET: 3 OF 3

DRAWN: PBG | DATE:
APPROVED: SSS PLM SYSTEM | 11MAR2024
TITLE: DIMENSION PRINT
DWG NO.: ADV-10037

THIS DRAWING IN DESIGN AND DETAIL IS DISCOVERY ENERGY, LLC PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH DISCOVERY ENERGY, LLC WORK. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

rehlko

KD30TC

60 HZ. DIESEL INDUSTRIAL GENERATOR SET
EMISSION DATA SHEET

ENGINE INFORMATION

Model:	S4S-Y361KGBE	Bore, mm (in.)	94 (3.70)
Nameplate BHP @ 1800 RPM:	46.4	Stroke, mm (in.)	120 (4.72)
Type:	4-Cycle, 4 Cyl., Inline	Displacement, L (cu. In.)	3.331 (203)
Aspiration:	Naturally Aspirated		
Compression Ratio:	22:1	EPA Family:	SMVXL03.3AAK
		EPA Certificate:	SMVXL03.3AAK-012

PERFORMANCE DATA:	
Engine bkW @ 1800 RPM	34.6
Fuel Consumption (Lph) @ 100% Load (Standby)	9.8
Exhaust Gas Flow (m^3/min)	7.0
Exhaust Temperature (°C)	550

EXHAUST EMISSION DATA:	EPA D2 Cycle 5-mode Weighted
NMHC	0.10
CO2	754
NOx (Oxides of Nitrogen as NO_2)	6.63
CO (Carbon Monoxide)	0.50
PM (Particulate Matter)	0.26

Values are in g/kWh unless otherwise noted

TEST METHODS AND CONDITIONS

The emission data listed is measured from a laboratory test engine according to the test procedures of 40 CFR 89 or 40 CFR 1039, as applicable. The test engine is intended to represent nominal production hardware, and there is no guarantee that every production engine will have identical test results. Emission results may vary due to engine manufacturing tolerances, engine operating conditions, fuels used, alternate test methods, or other conditions.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE CHANGED OR COPIED WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
COPYRIGHT © 2025 - STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.2

Clay & Bailey Mfg. Co.

A CENTURY'S WORTH OF INNOVATION

367 Male Thread High Flow Emergency Vent for Aboveground Storage Tanks



367 HF

Features:

All Aluminum Construction is lightweight for easy handling and installation. Also, no rust issues from scratches or weathering. Buna-N O Ring provides a vapor resistant seal. Spring Actuated Vent assures accurate opening pressure. Pressure relief set at <0.5 PSI. Clay & Bailey vents can be used in a variety of Aboveground Storage Tank Equipment installations where reliable fuel handling petroleum equipment is required.

Part #	Size	Weight /lbs.
0367-03-30HF	3"	3
0367-03-40HF	4"	4
0367-03-50HF	5"	5
0367-03-60HF	6"	6
0367-03-80HF	8"	7

Airflow

Size	W/Screen	W/O Screen
3"	66,400 SCFH	71,750 SCFH
4"	114,800 SCFH	118,750 SCFH
5"	184,500 SCFH	200,250 SCFH
6"	237,000 SCFH	251,700 SCFH
8"	500,552 SCFH	556,539 SCFH

c UL US LISTED

Clay & Bailey emergency vents comply with various codes – Petroleum Equipment Institute PEI RP200; Underwriters Laboratories Inc. UL-142, UL-2085, UL-2244, UL-2583; Underwriters Laboratories of Canada ULC-S601; National Fire Protection Agency NFPA 30, NFPA 30A; American Petroleum Institute API 2000.

Patent# 8171955

10/2018

Clay & Bailey Mfg. Co.

A CENTURY'S WORTH OF INNOVATION

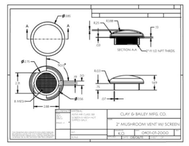
401 Mushroom Vent



401

Features:

Mushroom style free flow vent is made of cast iron with a 8 mesh galvanized screen. Domed vent top prevents tank contamination from entering vent lines. NPT thread is standard. Also available in galvanized. (Shown)



Cast iron Black

Part No.	Size	lbs	SCFH@ 2.5psi	A	B
0401-01-0750	3/4"	0.3	4,894	3/4"	1"
0401-01-1000	1"	0 5	8,711	1"	1 1/8"
0401-01-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-01-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-01-2000	2"	1.1	38,846	2"	1 11/16"
0401-01-4000	4"	2.5	54,873	4"	3"

Galvanized

Part No.	Size	lbs	2.5psi	A	B
0401-10-0750	3/4"	0.3	4,894	3/4"	1"
0401-10-1000	1"	0 5	8,711	1"	1 1/8"
0401-10-1250	1 1/4"	0.6	13,616	1 1/4"	1 1/2"
0401-10-1500	1 1/2"	0.7	19,532	1 1/2"	1 9/16"
0401-10-2000	2"	1.1	38,846	2"	1 11/16"
0401-10-4000	4"	2.5	54.873	4"	3"

Rochester Sensors
Engineering Innovative Solutions

Adjustable Liquid-Level Gauges

Applications

The 6500 Series Senior gauges are de signed for use in low pres sure tanks 0-25 psig [0-1,7Bar] containing diesel fuel, gasoline, fuel oil and lubricating oils.

Used in many ap pli ca tions such as con struc tion equip ment, sta tion ary gen er a tors, boats, farm equip ment and home heat ing,gauges may be easily converted remote output by simply installing the R3D replacement dial and plug-in Hall Effect sender module.

General Information & Features

The 6500 Series Adjustable Senior gauges are avail able in gear-action mod els for top mounting.

The standard float is nitrile rubber. The gauge is mount ed to a mating Se nior flange 2 1/2" bolt circle [63,5mm] using four 1/4"-28 x 9/16" long bolts. The gasket is Buna-N

Models #	Mounting	Dial, sender or Switch Data	Support Length "S"
6580-0151	Top	500250`379 Senior direct-reading fractional dial	3"
6540-00090		5880S02547P (0-90 Ohms)	3"
6540-00252		5AVHS03213P (240-30 Ohms)	3-5/8"



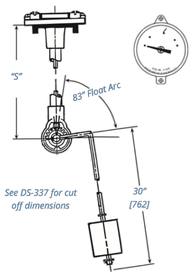
E. & O.E. ©Rochester Sensors.
Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

972-241-2161 | info@rochestersensors.com | RochesterSensors.com

Manufacturing Worldwide

Rochester Sensors
Engineering Innovative Solutions

Direct reading gauge with 5002501379 dial



TwinSite® Dial, 0-90 ohms & 240-30 ohms



Parts #	Description	Ohms
5880S0254	Wire Leads	0-90
5AVHS03213P	Wire Leads	240-30

General Specifications*

Accuracy
Accuracy depends upon proper gauge sizing. Senior dials ±7%, TwinSite® dials ±12%. Accuracy may be less depending upon tank shape. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

Temperature Range
-40°F to +158°F, -40°C to 70°C.

Humidity
Paint exposed portions of gauge, less dial, for marine applications.

Shock & Vibration
Suitable for mobile applications.

Power
0.5 watts maximum for TwinSite® versions.

Tank Pressure
Up to 25 psig [1,7 Bar]

Approvals
These direct indicating gauges are UL listed for flammable liquids. Some models UL recognized for marine service.

Note: For installation instructions see MS-501/502 (Mounting standards).

Materials of Construction*

Head
Die cast aluminium.
Centershaft, Support Tube & Float Rod
Tempered aluminum.
Gears, Cross Stud & Bearings
Stainless Steel.
Drive Magnet
Alnico.
Gear Housing
Acetal plastic or aluminum.
Float
Nitrile rubber
Gasket
Buna-N, 0015-00004 or 0015-00079
Direct Reading Dial
Aluminum with polycarbonate crystal, hermetically sealed.
Side Reading Dial
Aluminum with polycarbonate crystal, hermetically sealed.
TwinSite® Sender
Polyamide.
Mounting Bolts
Zinc-plated steel ¼ "-28 x 9/16" long.

When ordering, specify:

1. Gauge model number.
2. Tank diameter and riser height.
3. Mounting location.
4. Ohm range on Twinsite® versions.
5. Preferred switch on switch gauges, if other than standard.
6. Any listed options or preferences.

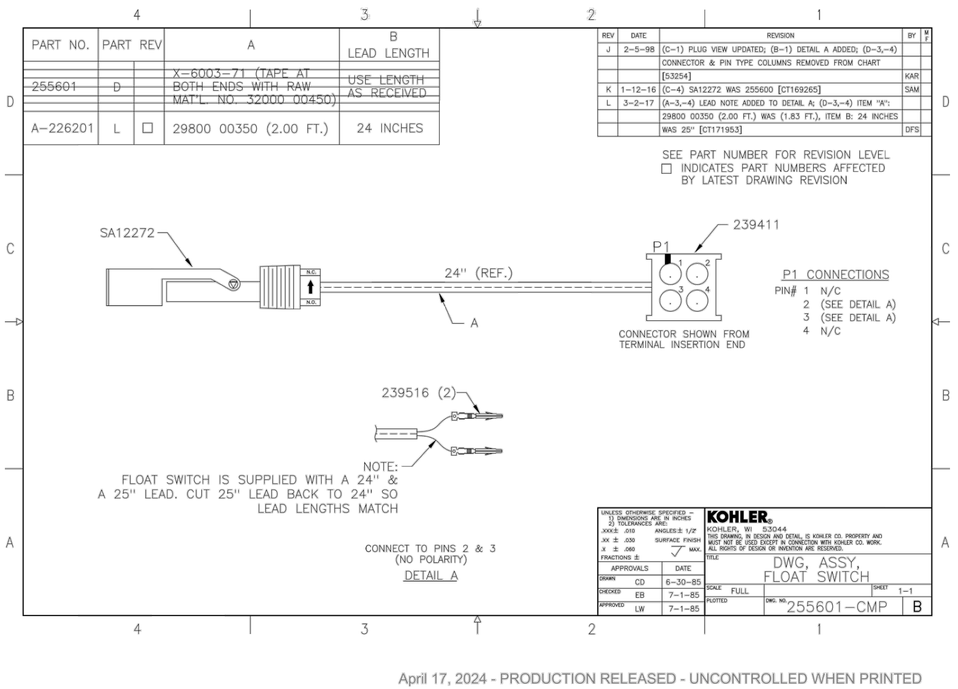
Note: Materials and specifications are subjected to change without notice. Pressure ratings subject to change due to temperature and other environmental considerations.

E. & O.E. ©Rochester Sensors.
Since the suitability of these products depends upon a wide range of factors not in our control, Rochester Sensors expects and understands that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Whilst every effort is made to ensure the above details are correct at the time of printing, Rochester Sensors reserves the right to make material changes, and or technical changes without notification.

972-241-2161 | info@rochestersensors.com | RochesterSensors.com

Manufacturing Worldwide

KOHLER CO. CONFIDENTIAL INFORMATION



Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2729 SHADELANDS DR WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

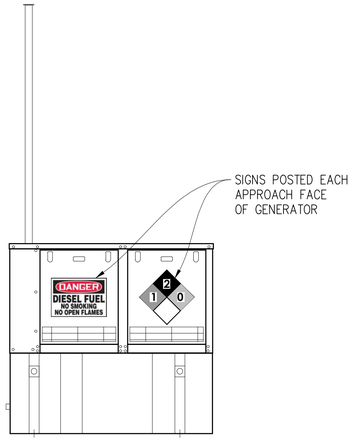
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS BY ANY ENGINEER. Copyright © 2015 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

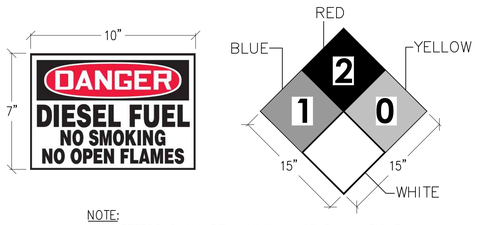
SHEET TITLE:

GENERATOR SPECIFICATIONS

SHEET NUMBER:

A-5.3



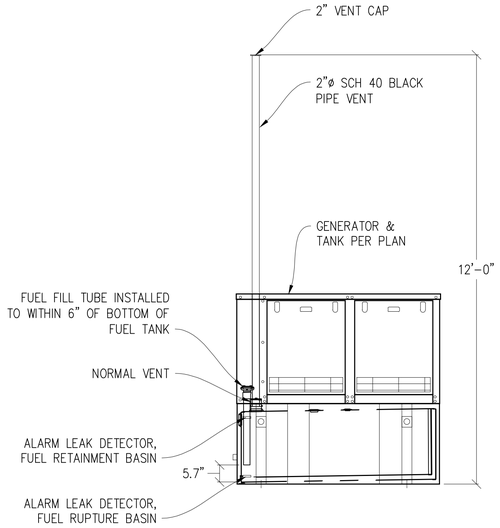


NOTE:
1. LETTERS SHALL BE A MINIMUM OF 3" IN HEIGHT
2. SIGN TO BE PLACED ON ALL SIDES OF GENERATOR
3. 10"x14" ALUMINUM NO SMOKING SIGN

1 GENERATOR SAFTEY SIGNAGE

NOT TO SCALE

NOTE:
FILL PIPE SHALL TERMINATE WITHIN 6" OF TANK BOTTOM



2 GENERATOR VENT & FILL DETAIL

½"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE
Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

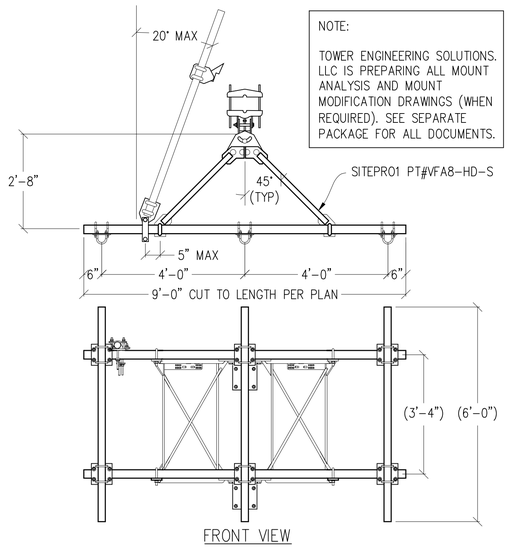
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE PLANS AND SPECIFICATIONS ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.
Copyright © 2009 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED

SHEET TITLE:

GENERATOR SPECIFICATIONS

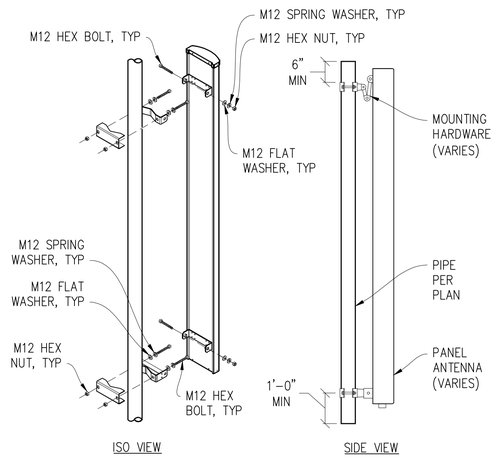
SHEET NUMBER:

A-5.4



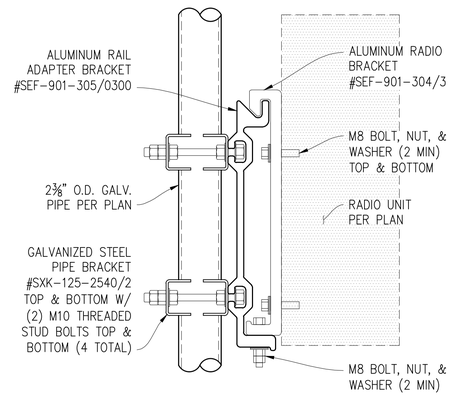
1 V-FRAME ASSEMBLY DETAIL

½"=1'-0"



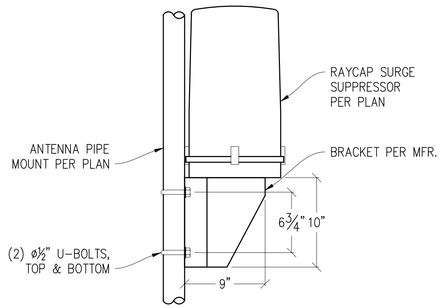
2 ANTENNA MOUNT

1"=1'-0"



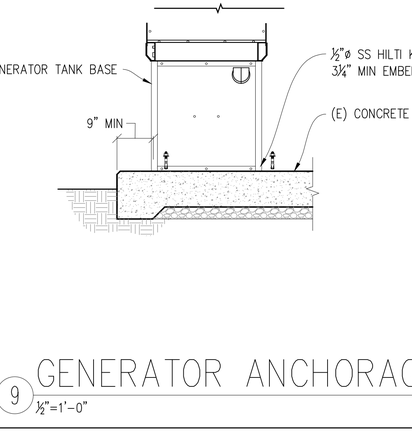
3 RADIO UNIT MOUNTING

3"=1'-0"



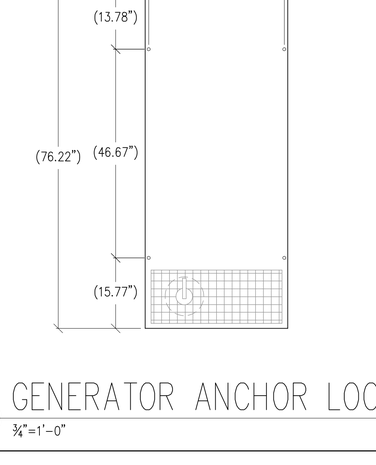
4 SURGE PIPE MOUNT

1½"=1'-0"



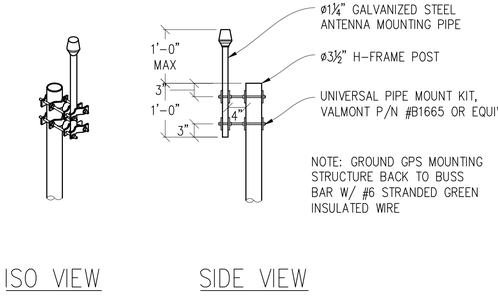
5 EQUIPMENT MOUNTING

3"=1'-0"



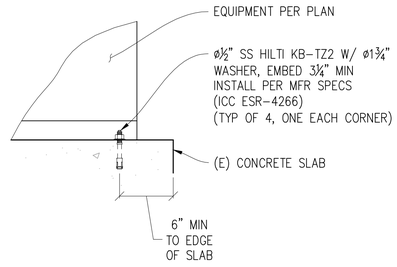
6 SURGE MOUNT

1½"=1'-0"



7 GPS MOUNT DETAIL

¾"=1'-0"



8 CABINET TO CONC

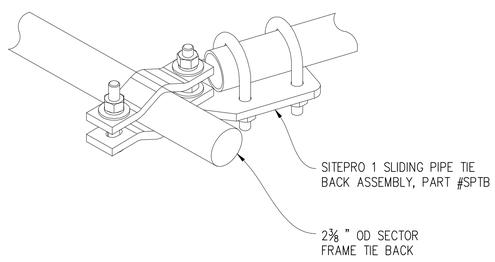
1½"=1'-0"

9 GENERATOR ANCHORAGE

½"=1'-0"

10 GENERATOR ANCHOR LOCATIONS

¾"=1'-0"



11 PIPE TIE BACK DETAIL

3"=1'-0"

WEIGHT: 88.49 LB

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 SPARKLEHORSE DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

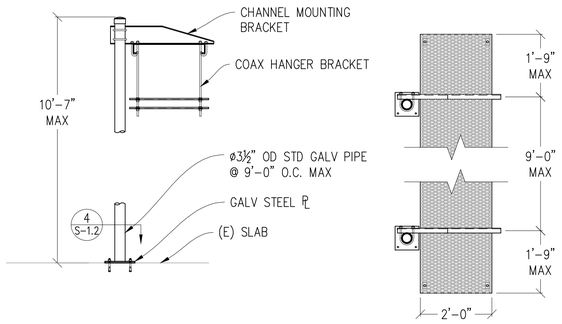
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

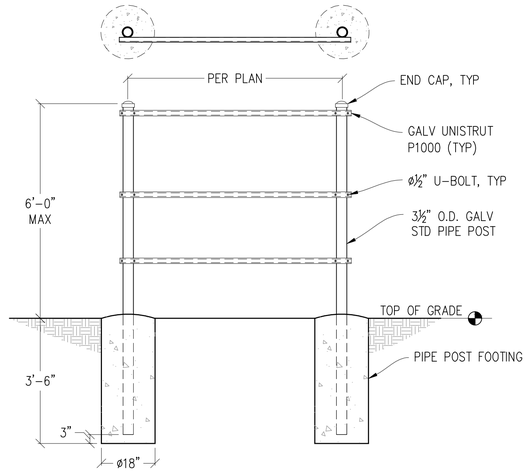
SHEET NUMBER:

S-1.1



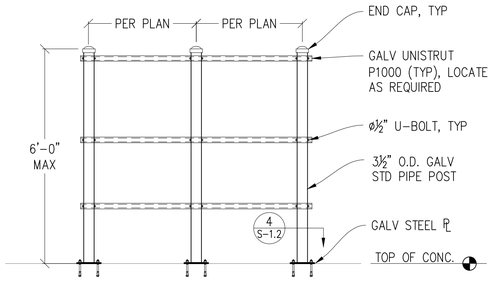
1 ICE BRIDGE DETAIL

½"=1'-0"



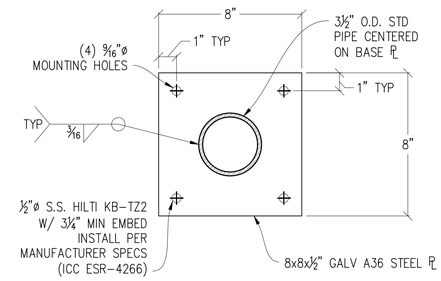
2 H-FRAME DETAIL

½"=1'-0"



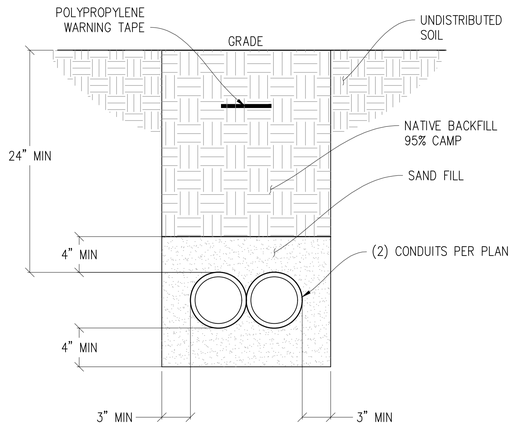
3 H-FRAME DETAIL

½"=1'-0"



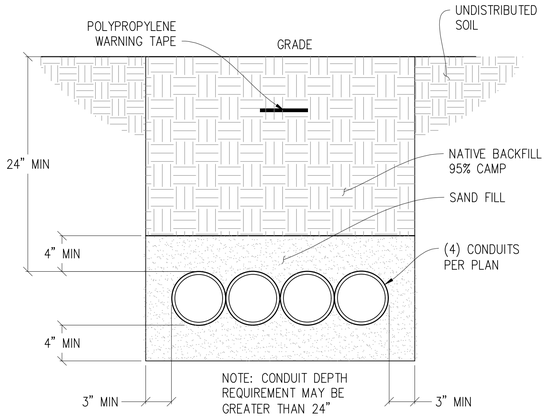
4 BASE PLATE DETAIL

3"=1'-0"



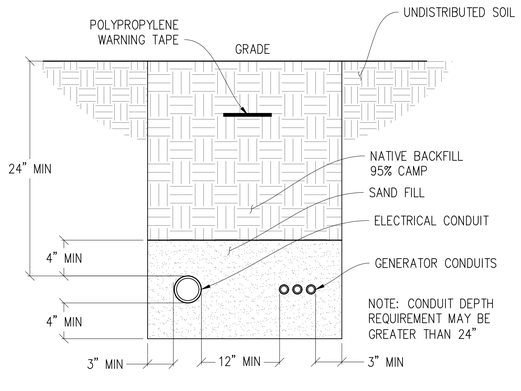
5 CONDUIT TRENCH DETAIL

1½"=1'-0"



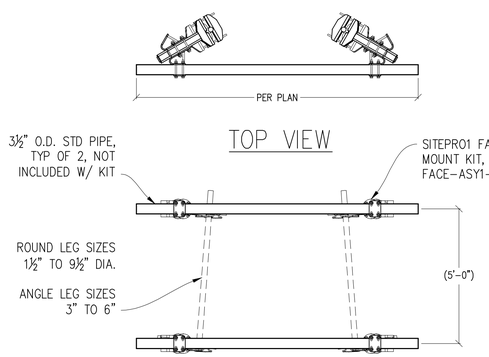
6 CONDUIT TRENCH DETAIL

1½"=1'-0"



7 CONDUIT TRENCH DETAIL

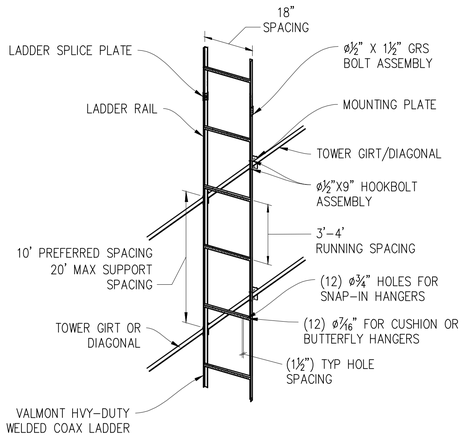
1½"=1'-0"



FRONT VIEW

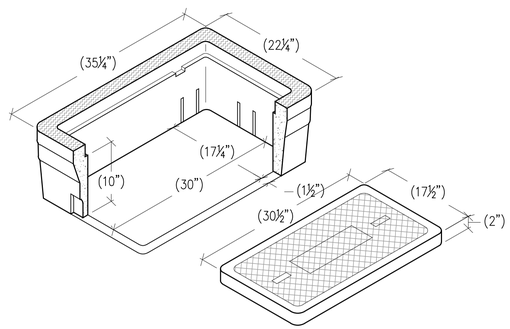
8 ANTENNA MOUNT

⅜"=1'-0" MAX WEIGHT: 530 LBS



9 CABLE LADDER TO TOWER

NOT TO SCALE



10 P36 SPLICE BOX

N.T.S.

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

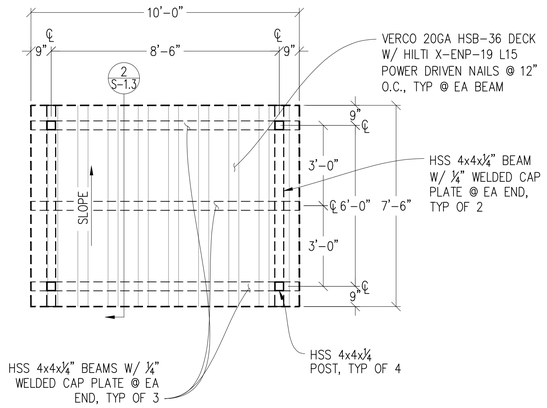
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS IN WHOLE OR IN PART BY ANY PERSON OTHER THAN THE ENGINEER, OR THOSE AUTHORIZED BY THE ENGINEER, WITHOUT THE WRITTEN CONSENT OF STREAMLINE ENGINEERING AND DESIGN INC. IS PROHIBITED. Copyright © 2025, STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

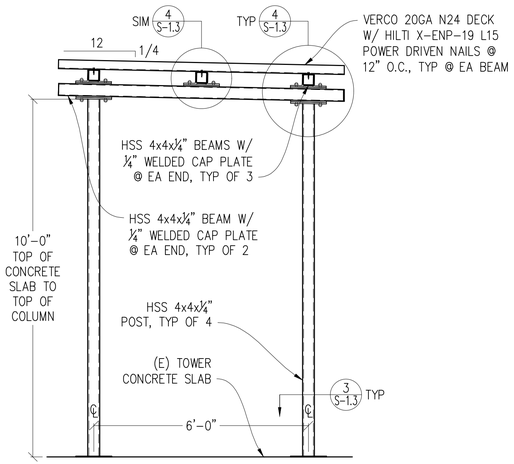
SHEET NUMBER:

S-1.2



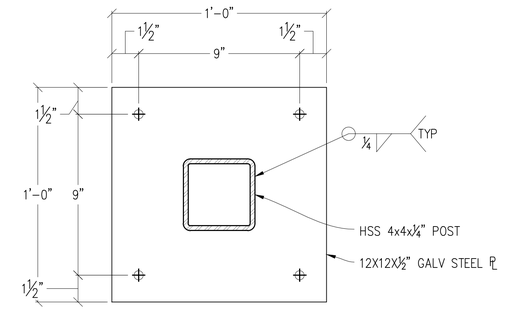
1 SHADE COVER ROOF PLAN

⅜"=1'-0"



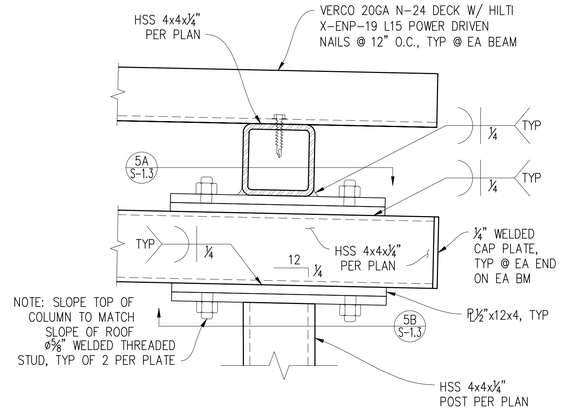
2 SHADE COVER ELEVATION

½"=1'-0"



3 BASE PLATE DETAIL

3"=1'-0"



4 PLATE DETAIL

3"=1'-0"

5 PLATE DETAIL

3"=1'-0"

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC., WHETHER THE PROJECTS FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REUSE OF THESE PLANS AND SPECIFICATIONS IS PROHIBITED. ENGINEER. COPYRIGHT © 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

STRUCTURAL DETAILS

SHEET NUMBER:

S-1.3

ELECTRIC LEGEND

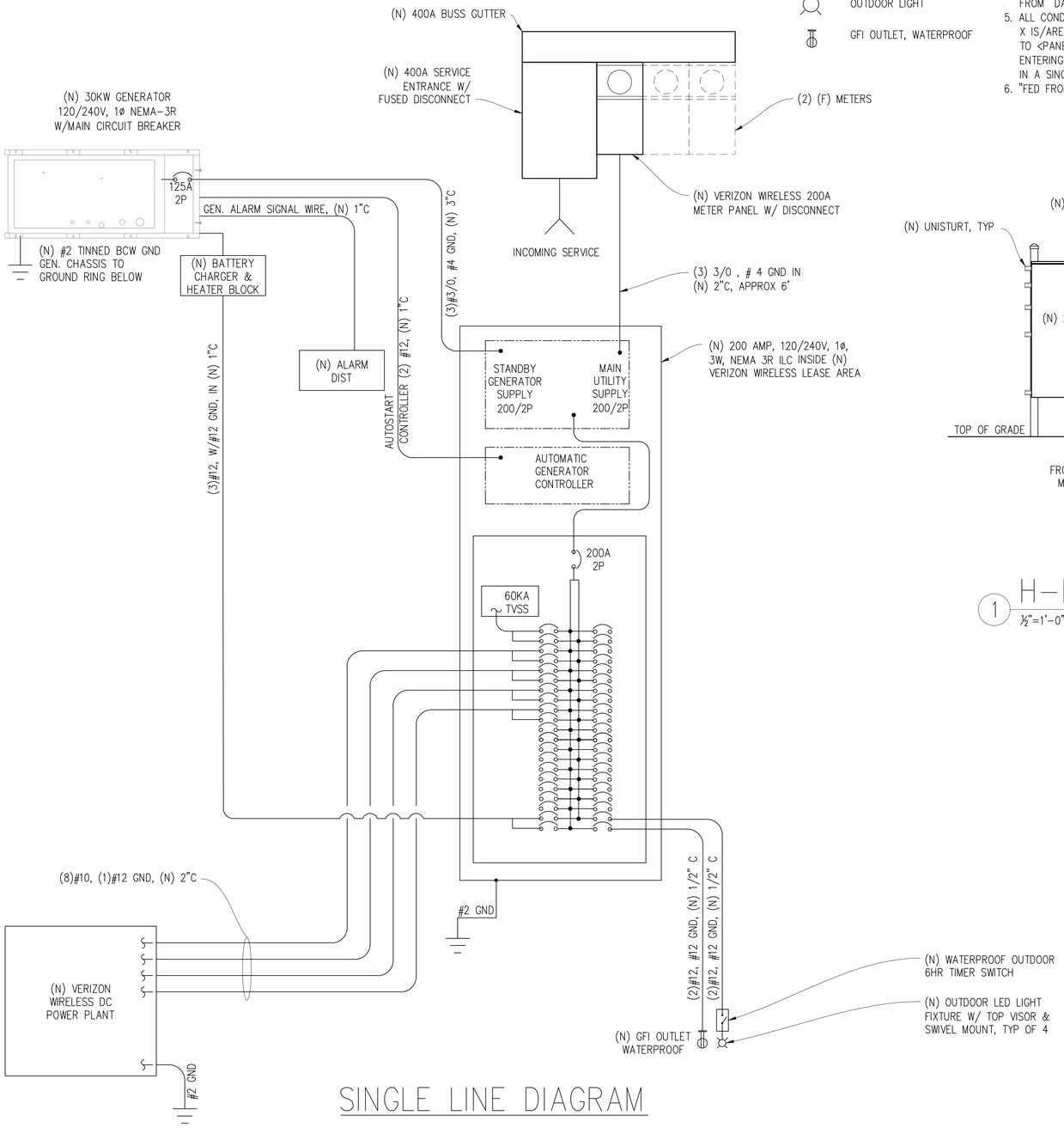
- METER
- CIRCUIT BREAKER
- SERVICE GROUND
- WIRED CONNECTION
- TIMER SWITCH, WATERPROOF
- OUTDOOR LIGHT
- GFI OUTLET, WATERPROOF

ELECTRICAL LABELING REQUIREMENTS

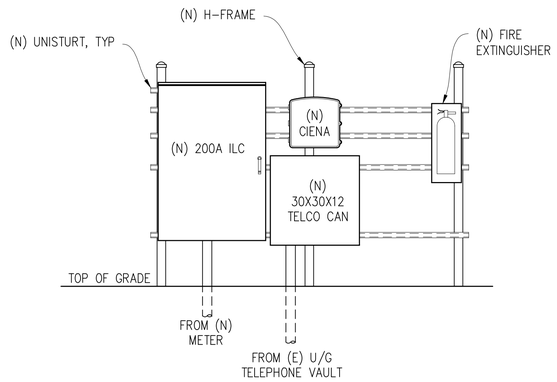
1. CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING. LABELS SHALL BE PERMANENT BLACK ON WHITE PEEL & STICK LABEL MAKER TYPE FOR ALL SWITCH & OUTLET PLATES, CONDUITS AND CEILING FIXTURES, AND SHALL BE PHENOLIC TAG TYPE FOR PANELS, XFMR's, PULL BOXES, ETC.; PHENOLIC TAGS SHALL BE RED IN COLOR WHERE BACKED UP BY GENERATOR
2. ALL PANELS, XFMR's AND PULL BOXES SHALL BE LABELED WITH DEVICE 'NAME', VOLTAGE(S), RATING FOR XFMR's, AND "FED FROM" DATA.
3. ALL SWITCH & OUTLET PLATES SHALL BE LABELED WITH "FED FROM" CIRCUIT DATA (PANEL NAME & CIRCUIT#); ALL GANG SWITCHES SHALL BEAR SWITCH NUMBERS BEGINNING W/#1 ON LEFT OF THE MAIN LIGHTING SWITCH FOR EACH ROOM FOR COORDINATION W/FIXTURE LABELS.
4. ALL (N) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE "FED FROM" DATA (SWITCH#)
5. ALL CONDUITS EXITING A PANEL BOARD SHALL BE LABELED "CIRCUIT(S) 'X'..." WHERE X IS/ARE THE BREAKER#(S). CONDUITS EXITING XFMR'S SHALL BE LABELED "FEEDER TO <PANEL, DEVICE>", E.G. "FEEDER TO PANEL <panel name>. CONDUITS ENTERING/EXITING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF OBVIOUS) W/"FED FROM..." & "TO PANEL/XFMR/..."DATA.
6. "FED FROM: DATA = <panel name> <brkr#> EG: "PANEL X/1,3,5")

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 2022 CEC AS WELL AS ALL ADOPTED STANDARDS, APPLICABLE STATE AND LOCAL CODES.
2. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER PLAN SPECIFICATIONS.
4. ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED.
5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
6. ELECTRICAL WIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THW-2, INSULATION RATED FOR 90°C DRY OR 70°C WET.
7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
8. ALL BURIED WIRE SHALL RUN THROUGH SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.
9. A GROUND WIRE IS TO BE PULLED IN ALL CONDUITS.
10. WHERE ELECTRICAL WIRING OCCURS OUTSIDE A STRUCTURE AND HAS THE POTENTIAL FOR EXPOSURE TO WEATHER, WIRING SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL OR FLEXIBLE CONDUIT.
11. WHERE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'MTS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING MEANS, AND AIC REQ'MT, AND SHALL OBTAIN CLARIFICATION FROM THE PROJECT ENGINEER ON ANY DEVIATIONS FOUND IN THESE PLANS.
12. WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2-WIRE, SHALL COMPLY WITH ARTICLE 720, AS FOLLOWS:
    A. POWER PLANT SHALL BE SUPPLIED BY THE WIRELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.
    B. CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN, CONDUCTORS FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.
    C. THERE ARE NO DC RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT. ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LUG TAP OR SOCKET TERMINATION ON AN INTEGRATED DC CIRCUIT BREAKER AT AN INDIVIDUAL RECTIFIER MODULE AND TERMINATE AT THE SPECIALIZED LUG ON THE RESPECTIVE APPLIANCE AS A SINGLE RUN OF WIRE WITHOUT SPLICES. ALL DC WIRING SHALL BE LABELED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC VOLTAGE.
    D. ALL CABLING SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.



SINGLE LINE DIAGRAM



1 H-FRAME ELEVATION

½"=1'-0"

PANEL SCHEDULE

NAMEPLATE : PANEL A			SC LEVEL : 22,000				VOLTS: 120V/240V, 1ø		
LOCATION : OUTSIDE							BUS AMPS: 200A		
MOUNTING : H-FRAME							MAIN CB: 200A		
ØA	ØB	LOAD DESCRIPTION	BKR AMP/ POLE	CIRCUIT NO		BKR AMP/ POLE	LOAD DESCRIPTION	ØA	ØB
LOAD VA	LOAD VA							LOAD VA	LOAD VA
30		SURGE ARRESTOR	60/2	1	2	–	BLANK		
	30	" "	" "	3	4	–	" "		
2292		(N) DC POWER PLANT	30/2	5	6	–	" "		
	2292	" "	" "	7	8	–	" "		
2292		" "	30/2	9	10	–	" "		
	2292	" "	" "	11	12	–	" "		
2292		" "	30/2	13	14	–	" "		
	2292	" "	" "	15	16	–	" "		
2292		" "	30/2	17	18	–	" "		
	2292	" "	" "	19	20	–	" "		
		BLANK	–	21	22	–	" "		
		" "	–	23	24	–	" "		
		" "	–	25	26	–	" "		
		" "	–	27	28	–	" "		
		" "	–	29	30	–	" "		
		" "	–	31	32	–	" "		
		" "	–	33	34	–	" "		
		" "	–	35	36	–	" "		
		" "	–	37	38	–	" "		
1000		(N) GEN. HEATER	20/1	39	40	20/1	LIGHTS		300
	300	(N) GEN. BATTERY CHARGER	20/1	41	42	20/1	GFI RECEPTACLE	180	
10198	9498	PHASE TOTALS					PHASE TOTALS	180	300
TOTAL VA =	20176	TOTAL AMPS =	84						
TOTAL KVA =	20.18								

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE, BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER JAMES R. SPORE S6336 STRUCTURAL STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

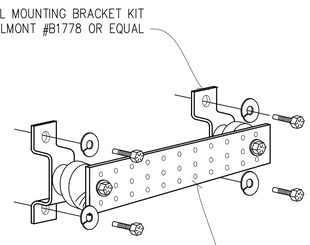
THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT IS FOR WHICH THEY ARE MADE OR NOT. THEY ARE NOT TO BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. Copyright 2005 STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED.

SHEET TITLE:

ELECTRICAL PLAN

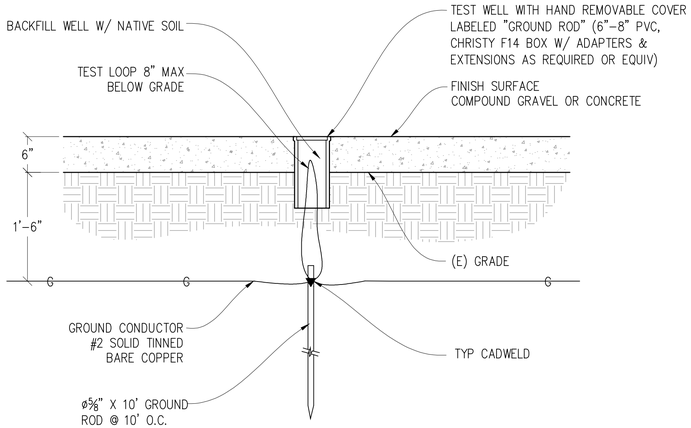
SHEET NUMBER:

E-1.1



1 GROUND BUSS DETAIL

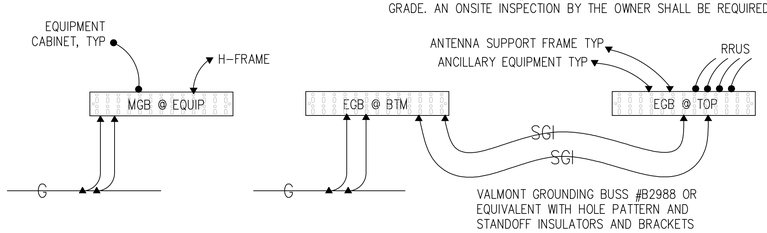
NOT TO SCALE

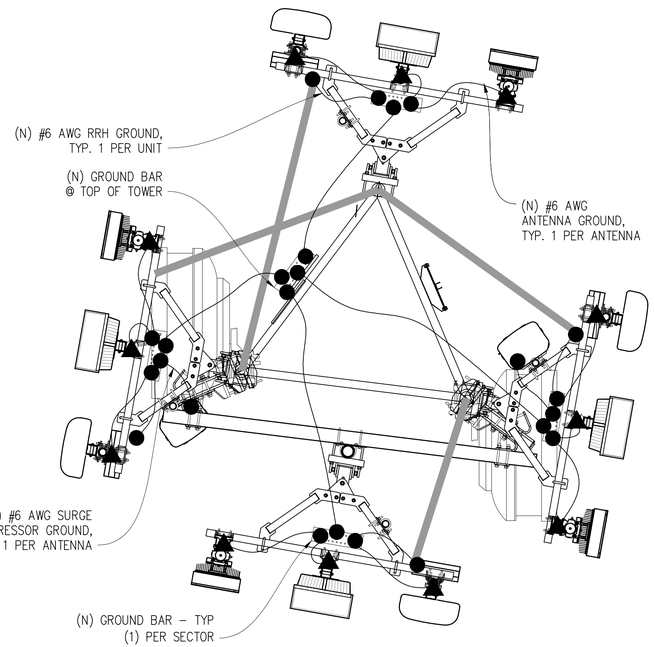


2 TEST WELL DETAIL

1"=1'

NOTE: THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS. THE GROUND RODS SHALL BE ⅝" X 10' COPPER CLAD STEEL SPACED AT 10' INTERVALS MAX. RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED BARE COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW GRADE. AN ONSITE INSPECTION BY THE OWNER SHALL BE REQUIRED PRIOR TO ANY BACKFILL.





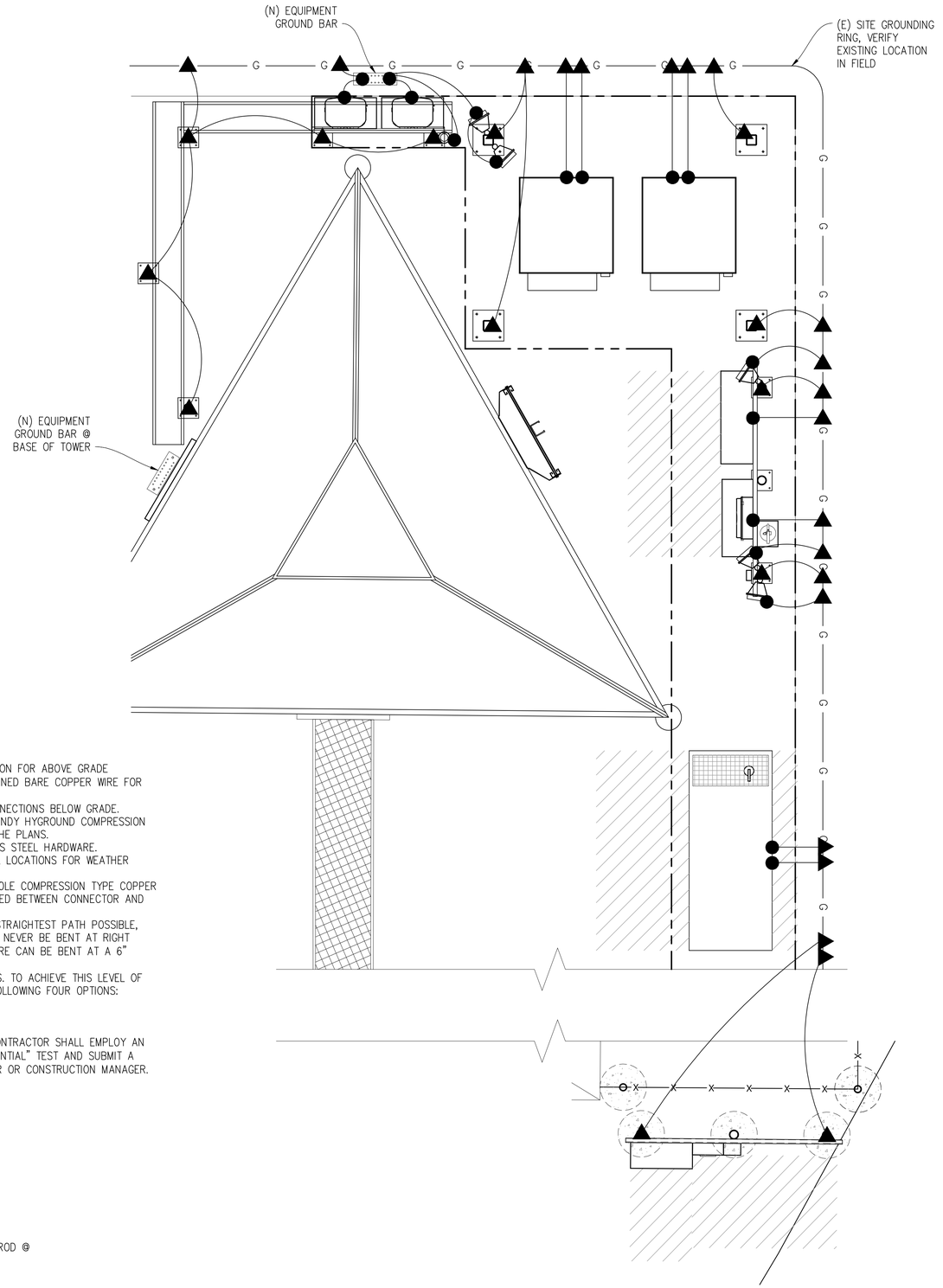
ANTENNA GROUNDING PLAN

GROUNDING NOTES

1. GROUNDING SHALL COMPLY WITH CEC ARTICLE 250.
2. USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
3. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
4. EXPOSED GROUNDING CONNECTIONS SHALL BE MADE WITH BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR EXOTHERMIC WELDS AS SPECIFIED IN THE PLANS.
5. CONNECTIONS TO EQUIPMENT SHALL BE MADE USING STAINLESS STEEL HARDWARE.
6. APPLY BUTYL & ELECTRICAL TAPE OVER COLD SHRINK AT ALL LOCATIONS FOR WEATHER PROOFING OVER COAX GROUND KITS.
7. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS WITH STAR WASHERS AND NO-OX OR EQUIVALENT PLACED BETWEEN CONNECTOR AND GROUND BAR.
8. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLES. ALWAYS MAKE A 12" RADIUS BEND, HOWEVER, #6 WIRE CAN BE BENT AT A 6" RADIUS WHEN NECESSARY.
9. THE SYSTEM GROUND RESISTANCE MUST BE 10 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:
   A. CONNECT TO EXISTING GROUNDING SYSTEMS
   B. CONNECT TO BUILDING STEEL COLUMNS
   C. INSTALL A NEW GROUNDING SYSTEM
   UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3RD PARTY TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR CONSTRUCTION MANAGER.

GROUNDING LEGEND

●	MECHANICAL CONNECTION
▼	EXOTHERMIC CADWELD
—⊕—	TYP. CADWELD INSPECTION WELL
—⊕—	TYP ⅝" DIA. X 10'-0" LONG COPPER CLAD GROUND ROD @ 10' O.C. MAX & 18" MIN BELOW FINISH GRADE
◡	GATE GROUNDING STRAP
—G—	TYP #2 TINNED BCW UNDERGROUND GND RING @ 18" MIN BELOW FINISH GRADE
—SGI—	GROUND WIRE #2 STRANDED GREEN INSULATED WIRE



EQUIPMENT GROUNDING PLAN

Issued For:

COMPTCHE

38351 COMPTCHE UKIAH ROAD
COMPTCHE, CA 95460

PREPARED FOR

verizon

2785 MITCHELL DRIVE BLDG 11
WALNUT CREEK, CA 94598

Vendor:

COMPLETE Wireless Consulting, Inc.

MDG LOCATION ID:	5000968096
PROJECT ID:	17393312
DRAWN BY:	SEAD
CHECKED BY:	N. GEORGE
APPROVED BY:	J. SPORE

ISSUE STATUS

REV	DATE	DESCRIPTION	CAD
4	10/08/25	CLIENT REV	J.Z.
3	09/12/25	CLIENT REV	J.Z.
2	08/13/25	CD 100%	T.T.
1	07/30/25	CD 95%	S.D.
0	05/12/25	CD 90%	T.T.
	05/01/25	ZD 100%	D.H.

Licensee:

REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPORE
S6336
STRUCTURAL
STATE OF CALIFORNIA

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

ENGINEER:

Streamline Engineering and Design, Inc.
3843 Taylor Road, Suite A, Loomis, CA 95650
Contact: Kevin Sorensen Phone: 916-660-1930
E-Mail: kevin@streamlineeng.com Fax: 916-660-1941

THESE PLANS AND SPECIFICATIONS, AS INSTRUMENTS OF SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF STREAMLINE ENGINEERING AND DESIGN INC. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THE REPRODUCTION OF THESE PLANS IS PROHIBITED WITHOUT WRITTEN PERMISSION OF STREAMLINE ENGINEERING AND DESIGN INC. ALL RIGHTS RESERVED. Copyright © 2005, STREAMLINE ENGINEERING AND DESIGN INC.

SHEET TITLE:

GROUNDING PLAN & DETAILS

SHEET NUMBER:

E-1.2