



FIRSTNET/AT&T SITE ID: CCL02094
FIRSTNET/AT&T SITE NAME: NORTHPOINT
FA LOCATION CODE: 10547968
USID: 325581
PACE ID: MRSFR002840

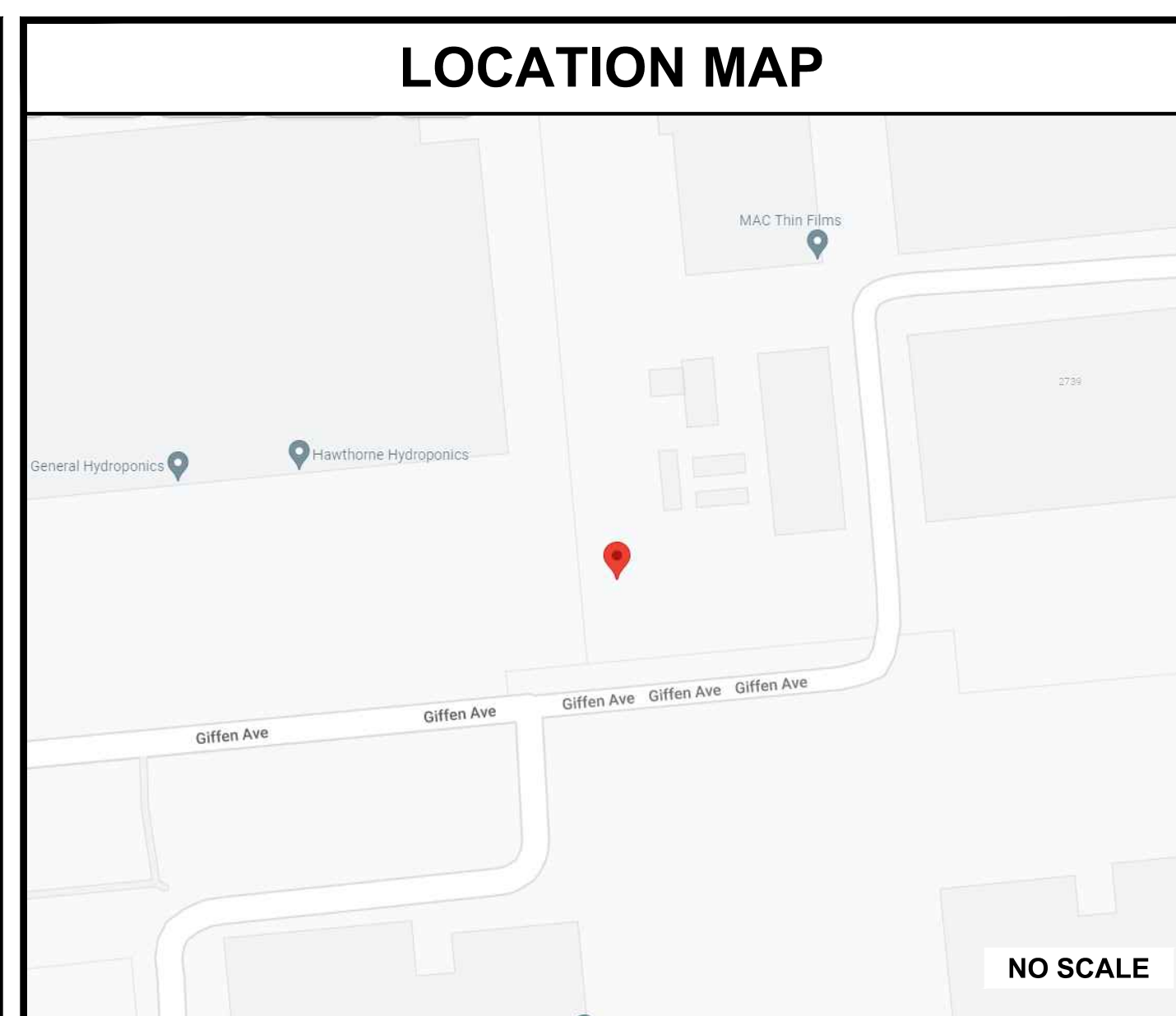
PSTC SITE #: CANC-SROSA01
SITE ADDRESS: 2715 GIFFEN AVE
 SANTA ROSA, CA 95407
COUNTY: SONOMA
SITE TYPE: MONOPINE
TOWER HEIGHT: 80'-0"



SITE INFORMATION	
PSTC SITE NAME:	NORTHPOINT
SITE ADDRESS:	2715 GIFFEN AVE SANTA ROSA, CA 95407
COUNTY:	SONOMA
MAP/PARCEL #:	010-450-008
AREA OF CONSTRUCTION:	2,640 SQ FT
LATITUDE:	N 38° 25' 03.16" (38.417544°) [NAD83]
LONGITUDE:	W 122° 45' 01.67" (-122.750464°) [NAD83]
GROUND ELEVATION:	109.0' [NAVD88]
CURRENT ZONING:	IL
JURISDICTION:	SONOMA COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	VB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	GIFFEN AVENUE PROPERTY LLC 1206 4TH ST SANTA ROSA, CA 95404
TOWER OWNER:	PUBLIC SAFETY TOWERS, LLC 1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008
CARRIER/APPLICANT:	AT&T 5005 EXECUTIVE PKWY SAN RAMON, CA 94583
ELECTRIC PROVIDER:	PG&E
TELCO PROVIDER:	TBD

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LS-2	SITE SURVEY	1
LS-3	SITE SURVEY	1
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C-1.2	COMPOUND LAYOUT	J
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ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 24x36. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



APPROVALS	
AT&T (RF):	_____
DATE:	_____
AT&T OPERATIONS:	_____
DATE:	_____
SITE ACQUISITION:	_____
DATE:	_____
CONSTRUCTION MANAGER:	_____
DATE:	_____
PROPERTY OWNER:	_____
DATE:	_____
ZONING:	_____
DATE:	_____
PROJECT MANAGER:	_____
DATE:	_____

DIRECTIONS FROM 5005 EXECUTIVE PARKWAY, SAN RAMON, CA:
 HEAD WEST AND TURN RIGHT ONTO EXECUTIVE PARKWAY. MAKE A LEFT ONTO CAMINO RAMON, THEN A LEFT ONTO CROW CANYON ROAD. MERGE ONTO I-680 N TO SACRAMENTO. CONTINUE ON I-680 N AND TAKE EXIT 58A FOR I-780 TOWARD BENICIA/VALLEJO. CONTINUE ON I-780 W THEN TAKE EXIT 1B TOWARD SACRAMENTO. MERGE ONTO I-80 E THEN TAKE EXIT 33 FOR CA-37 TOWARD NAPA. CONTINUE ON CA-37 W THEN TURN RIGHT ONTO LAKEVILLE HIGHWAY. TURN RIGHT TO MERGE ONTO US-101 N TOWARD EUREKA. TAKE EXIT 487 TOWARD YOLANDA AVE/HEARN AVE. TAKE HEARN AVE, THEN TURN RIGHT ONTO STONY POINT ROAD. TURN LEFT ONTO NORTHPOINT PARKWAY. TURN RIGHT ONTO LOMBARDI LANE. TURN LEFT.

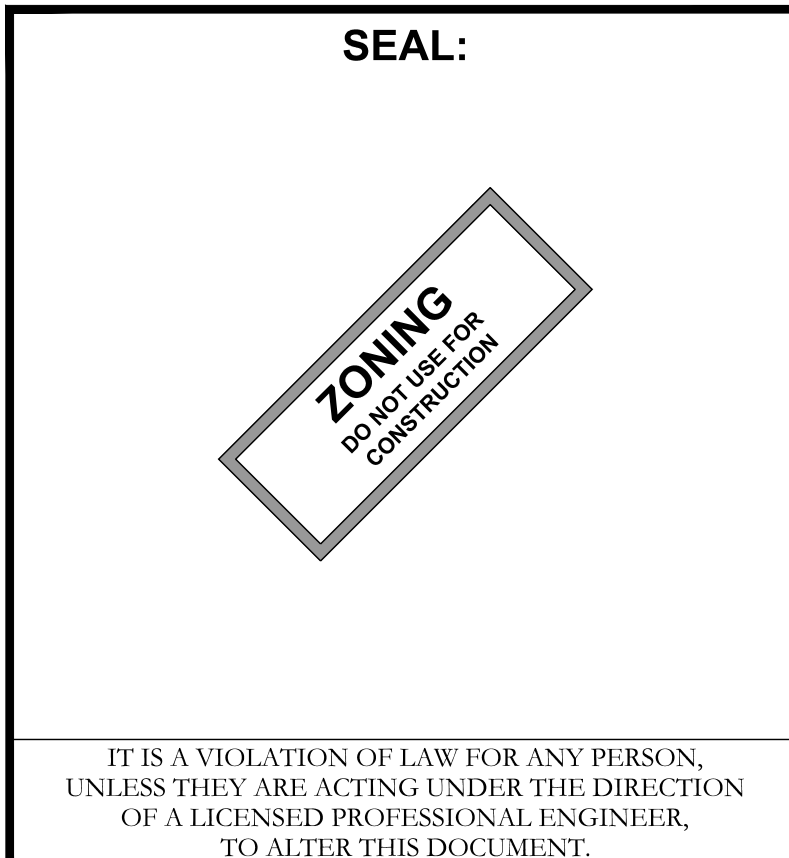
PROJECT TEAM	
PUBLIC SAFETY TOWERS, LLC CONTACT:	1903 WRIGHT PLACE, SUITE 140 CARLSBAD, CA 92008 TANYA AVENA T.AVENA@PSTCTOWERS.COM (661) 755-1471
TEP PROJECT TEAM:	TOWER ENGINEERING PROFESSIONALS 4710 E ELWOOD ST, STE 9 PHOENIX, AZ 85040
SITE ACQUISITION CONTACT:	DEREK WAITE DWAITE@TEPGROUP.NET (231) 409-5439
CIVIL ENGINEER:	ANDREW T. HALDANE, PE AHALDANE@TEPGROUP.NET (919) 661-6351
ELECTRICAL ENGINEER:	MARK QUAKENBUSH, PE MQUAKENBUSH@TEPGROUP.NET (919) 661-6351
AT&T PROJECT TEAM:	
RF ENGINEER:	AHMAD WAQAS AW564W@ATT.COM

PROJECT DESCRIPTION	
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY IN THE AREA FOR EMERGENCY SERVICE AND WIRELESS CUSTOMERS.	
TOWER SCOPE OF WORK <ul style="list-style-type: none"> INSTALL 80'-0" MONOPINE TOWER INSTALL (12) ANTENNAS ON (9) MOUNT PIPES INSTALL (18) RADIOS INSTALL (3) DC9 FIBER SQUIDS INSTALL (9) DC POWER TRUNKS INSTALL (3) FIBER TRUNKS INSTALL (3) SECTOR MOUNTS 	
GROUND SCOPE OF WORK <ul style="list-style-type: none"> INSTALL 23'-0"x98'-0"x6'-0" (LxWxH) CMU WALL COMPOUND INSTALL GRAVEL DRIVEWAY INSTALL (1) 600A GUTTER AND 200A METER ON PROPOSED H-FRAME INSTALL (1) EQUIPMENT PLATFORM INSTALL (1) 17'-7"x10'-4" CONCRETE PAD INSTALL (1) WALK-UP-CABINET (WUC) INSTALL (1) 30 KW DIESEL GENERATOR INSTALL (1) ICE BRIDGE INSTALL (8) BATTERIES INSTALL (1) RAYCAP DC50 SURGE SUPPRESSION CABINET INSTALL (1) PTLIC W/CAMLOCK AND INTEGRATED ATS 	

APPLICABLE CODES/REFERENCE DOCUMENTS	
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:	
CODE TYPE	CODE
BUILDING	2023 CBC (2021 IBC)
MECHANICAL	2023 CMC (2021 UMC)
ELECTRICAL	2023 CEC (2020 NEC)
STRUCTURAL	EIA/TIA-222-H
REFERENCE DOCUMENTS: RFDS VERSION: 1.00 DATED: 12/21/2022	
CALL CALIFORNIA ONE CALL (800) 227-2600 CALL 3 WORKING DAYS BEFORE YOU DIG!	

**AT&T/FIRSTNET ID: CCL02094
 NORTHPOINT**
**PSTC #: CANC-SROSA01
 GIFFEN AVENUE PROPERTY**
**2715 GIFFEN AVE
 SANTA ROSA, CA 95407
 (SONOMA COUNTY)**
**PROPOSED 80'-0"
 MONOPINE TOWER**

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM



SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1
REVISION: K

TEP #: 314201.336187

PROJECT NOTES:

- ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED PUBLIC SAFETY TOWERS, LLC OR ITS DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING TO HAVE SUFFICIENT EXPERIENCE AND ABILITY, IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE THE TOWER IS LOCATED.
- THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H AND CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OF CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTIONS OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK. RENTAL CHARGES, SAFETY, PROTECTION, AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE OWNER PROJECT MANAGER. THIS INCLUDES ALL SPECIFIC MILITARY INSTALLATION INSTRUCTIONS INCLUDING STAFF ACCESS AND GATE SPECIFIC INSTRUCTIONS.
- BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER AS WELL AS ANY REQUIRED NOTICES SPECIFIC TO THE MILITARY INSTITUTION.
- THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIALS SHALL BE REWORKED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
- THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

- ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.
- TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH OWNER SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO OWNER PRIOR TO THE START OF THE WORK ON THE PROJECT.
- THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO THE SUBSTANTIAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL FURNISH ONE 55 GALLON BARREL OR EQUIVALENT, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING THE PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.
- THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
- THE CONTRACTOR SHALL PROVIDE DAILY UPDATES IN THE FORM OF WRITTEN NOTIFICATION VIA EMAIL OR APP PHOTOS TO THE BOINGO CONSTRUCTION MANAGER.

UTILITY NOTES:

- APPLY FOR THE UTILITY SERVICE (ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. COORDINATE WITH THE ELECTRIC UTILITY COMPANY FOR EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND THE SERVICE ROUTING. COORDINATE WITH THE TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
- ALL UTILITY RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE UTILITY REQUIREMENTS. FIELD TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT UTILITIES AND LOCATOR SERVICE A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TRENCHING AND CONDUITS AS SHOWN OR AS REQUIRED BY LOCAL UTILITY.
- NO PENETRATIONS TO THE TOWER FOUNDATION OF ANY KIND.



**AT&T/FIRSTNET ID: CCL02094
NORTHPOINT**

**PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY**

**2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)**

**PROPOSED 80'-0"
MONOPINE TOWER**

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM

SEAL:



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

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

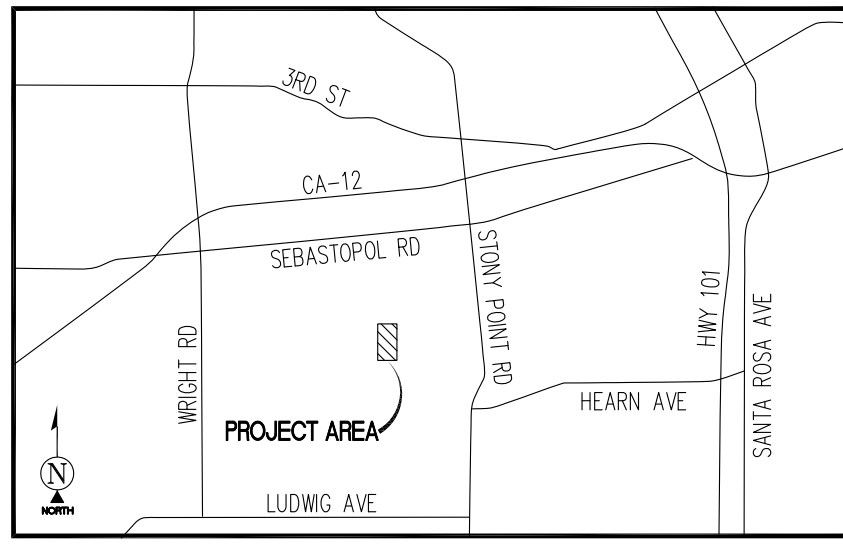
GN-1

REVISION:

K

TEP #:

314201.336187



VICINITY MAP
N.T.S.

SURVEY DATE
10/05/2022

BASIS OF BEARING

BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA ZONE 2 STATE PLANE COORDINATE SYSTEM BASED ON THE NORTH AMERICAN DATUM OF 1983(2011) (EPOCH 2019.25). DETERMINED BY GLOBAL POSITIONING SYSTEM EQUIPMENT ON THE SMARTNET REFERENCE NETWORK.

BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12B' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY OBSERVATIONS OF THE 'SMARTNET' REAL TIME NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

GRID-TO-GROUND SCALE FACTOR NOTE

ALL BEARINGS AND DISTANCES ARE BASED ON THE CALIFORNIA TWO STATE PLANE COORDINATE ZONE GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99998248

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "X". ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP(S), MAP ID #06097C07176, DATED 07/19/2022

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT 811 AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

SURVEYOR'S NOTES

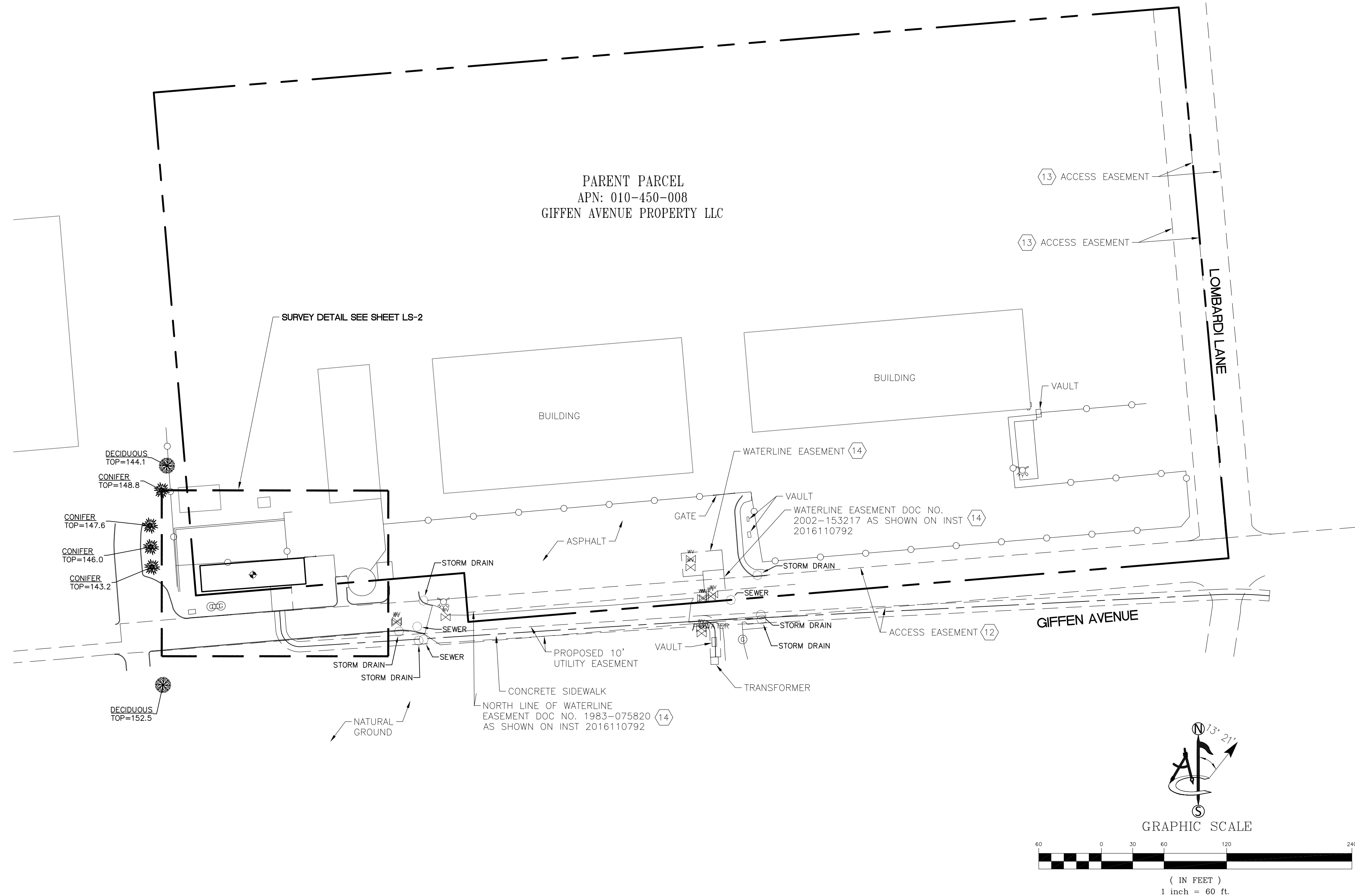
CONTOURS DERIVED FROM DIRECT FIELD OBSERVATIONS AND FOLLOW THE CURRENT NATIONAL MAP STANDARDS FOR VERTICAL ACCURACY.

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

ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES.

SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.

LEGEND			
AP	ASPHALT	○	UTILITY MANHOLES
BLDG	TOP OF BUILDING	○ ^{MAX}	UTILITY METER
CLF	CHAIN LINK FENCE	⊗	FIRE HYDRANT
NG	NATURAL GRADE	⊗	POSITION OF GEODETIC COORDINATES
●	TREES	⊗	SPOT ELEVATION
●	PINE TREES	⊗	WATER CONTROL VALVE
P.O.B.	POINT OF BEGINNING	⊗	GAS VALVE
P.O.C.	POINT OF COMMENCEMENT	⊗	CHAIN LINK FENCE
P.O.T.	POINT OF TERMINUS	⊗	CURBLINES
		---	SUBJECT PROPERTY LINE
		---	ADJACENT PROPERTY LINE
		---	EASEMENT LINES
		---	EASEMENT CENTERLINE
		---	LEASE AREA LIMITS
		---	MAJOR CONTOUR INTERVAL
		---	MINOR CONTOUR INTERVAL



PROJECT INFORMATION:
CCU02094
SW SANTA ROSA CORPORATE CENTER PKWY & ROSELAND
 2715 GRIFFEN AVENUE
 SANTA ROSA, CA 95404
 SONOMA COUNTY

ORIGINAL ISSUE DATE:
 10/07/2022

REV.:	DATE:	DESCRIPTION:	BY:
A	10/07/22	PRELIMINARY	CK
0	01/04/23	DESIGN(C)	SM

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 326 TRYON ROAD
 RALEIGH, NC 27603-3530
 (919) 661-6351

CONSULTANT:

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

DRAWN BY: _____ CHK.: _____ APV.: _____

CK	MF	PD
----	----	----

LICENSER:

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

SHEET TITLE:
 SITE SURVEY

SHEET NUMBER:
 LS-1

POSITION OF GEODETIC COORDINATES
 LATITUDE 38° 25' 03.16" (38.417544) NORTH (NAD83)
 LONGITUDE 122° 45' 01.67" (122.750464) WEST (NAD83)
 GROUND ELEVATION @ 109.0' (NAVD88)

LEGEND			
AP	ASPHALT	○	UTILITY MANHOLES
BLDG	TOP OF BUILDING	○	UTILITY METER
CLF	CHAIN LINK FENCE	⊕	FIRE HYDRANT
NG	NATURAL GRADE	⊕	POSITION OF GEODETIC COORDINATES
⊗	TREES	⊕	SPOT ELEVATION
⊗	PINE TREES	⊕	WATER CONTROL VALVE
P.O.B.	POINT OF BEGINNING	⊕	GAS VALVE
P.O.C.	POINT OF COMMENCEMENT	⊕	
P.O.T.	POINT OF TERMINUS	⊕	
—○—○—○—○—○—○—	CHAIN LINK FENCE		
—	CURBLINES		
—	SUBJECT PROPERTY LINE		
—	ADJACENT PROPERTY LINE		
---	EASEMENT LINES		
---	EASEMENT CENTERLINE		
---	LEASE AREA LIMITS		
---	MAJOR CONTOUR INTERVAL		
---	MINOR CONTOUR INTERVAL		

LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE LAND OF OPTICAL COATING LABORATORY, INC., A CORPORATION, AS DESCRIBED AS PARCEL ONE IN THE DEED RECORDED JANUARY 11, 1973 IN BOOK 2727 OF OFFICIAL RECORDS AT PAGE 51 IN THE CITY OF SANTA ROSA, COUNTY OF SONOMA, STATE OF CALIFORNIA RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIPE STAMPED RCE 31909 AT THE SOUTHWEST CORNER OF SAID PARCEL, FROM WHICH AN IRON PIPE STAMPED RCE 31909 BEARS THE FOLLOWING TWO COURSES:

THENCE NORTH 85°12'34" EAST, 257.92 FEET; THENCE SOUTH 04°47'26" EAST, 47.06 FEET AS SHOWN ON RECORD SURVEY RECORDED IN BOOK 814, PAGE 39, RECORDS OF SAID SONOMA COUNTY;

THENCE LEAVING SAID POINT OF COMMENCEMENT, NORTH 85°12'34" EAST, 71.87 FEET; THENCE NORTH 04°20'27" WEST, 2.56 FEET TO THE POINT OF BEGINNING.

THENCE SOUTH 85°40'47" WEST, 65.91 FEET; THENCE NORTH 04°19'13" WEST, 25.00 FEET; THENCE NORTH 85°40'47" EAST, 100.00 FEET; THENCE SOUTH 04°19'13" EAST, 25.00 FEET; THENCE SOUTH 85°40'47" WEST, 34.09 FEET TO THE POINT OF BEGINNING.

CONTAINING 2,500 SQUARE FEET (0.057 ACRES) OF LAND, MORE OR LESS.

ACCESS AND UTILITY

EASEMENT LEGAL DESCRIPTION

A PORTION OF THE LAND OF OPTICAL COATING LABORATORY, INC., A CORPORATION, AS DESCRIBED AS PARCEL ONE IN THE DEED RECORDED JANUARY 11, 1973 IN BOOK 2727 OF OFFICIAL RECORDS AT PAGE 51 AND A PORTION OF LOT 1 OF THE LANDS OF PATRIOT NORTHPOINT II REFI LLC AS SHOWN ON RECORD SURVEY RECORDED IN BOOK 814 PAGE 39, IN THE CITY OF SANTA ROSA, COUNTY OF SONOMA, STATE OF CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

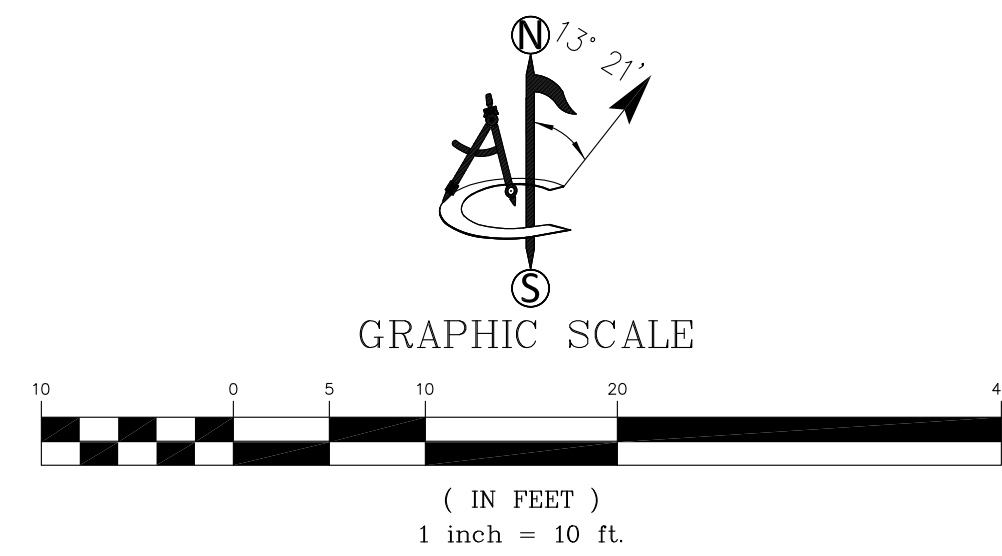
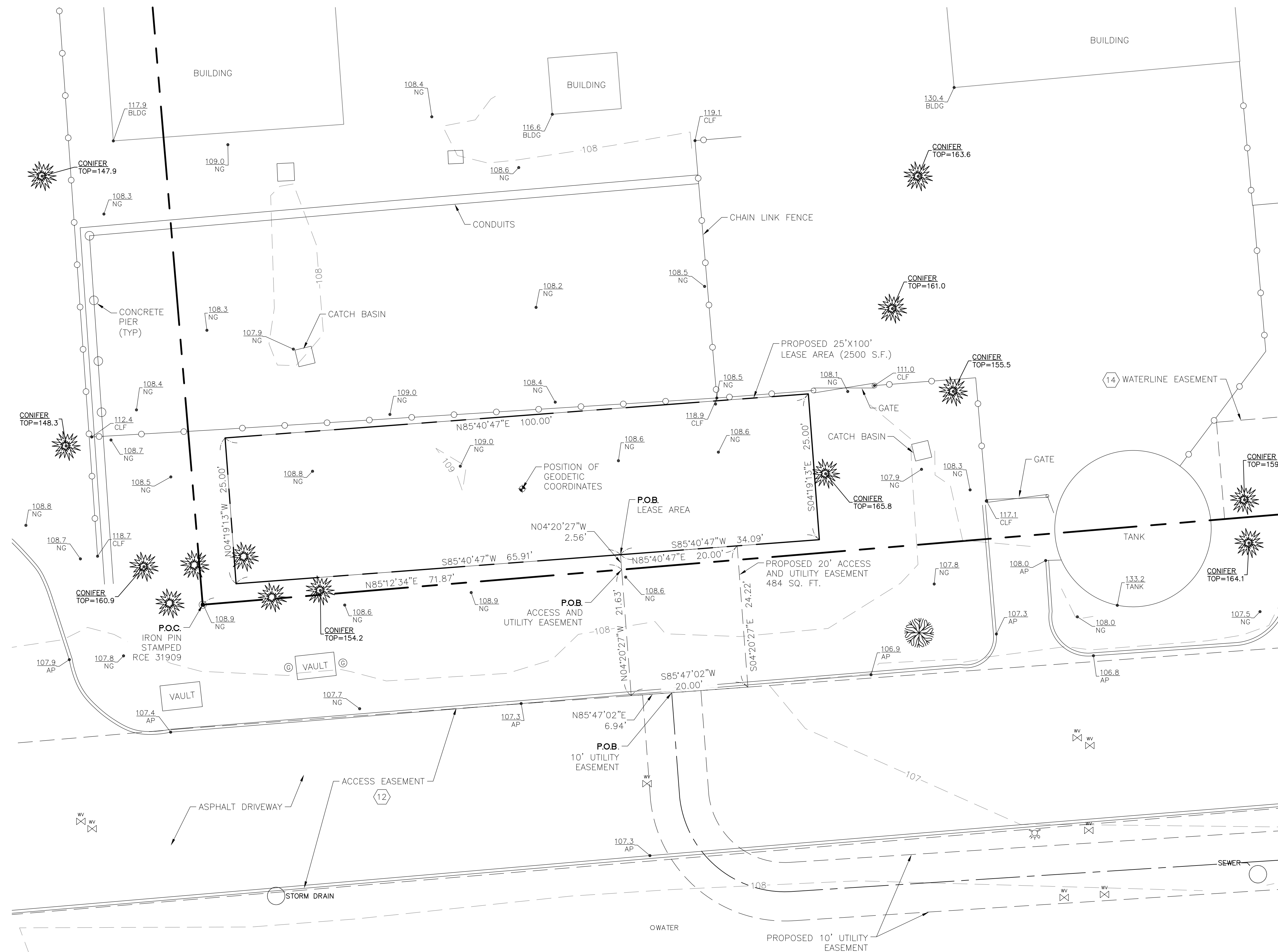
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THENCE NORTH 85°12'34" EAST, 257.92 FEET; THENCE SOUTH 04°47'26" EAST, 47.06 FEET AS SHOWN ON SAID RECORD SURVEY RECORDED IN BOOK 814 PAGE 39, RECORDS OF SAID SONOMA COUNTY;

THENCE LEAVING SAID POINT OF COMMENCEMENT, NORTH 85°12'34" EAST, 71.87 FEET TO THE POINT OF BEGINNING.

THENCE NORTH 04°20'27" WEST, 2.56 FEET; THENCE NORTH 85°40'47" EAST, 20.00 FEET; THENCE SOUTH 04°20'27" EAST, 24.22 FEET; THENCE SOUTH 85°47'02" WEST, 20.00 FEET; THENCE NORTH 04°20'27" WEST, 21.63 FEET TO THE POINT OF BEGINNING.

CONTAINING 484 SQUARE FEET (0.011 ACRES) OF LAND, MORE OR LESS.



PROJECT INFORMATION:
 CCU02094
 SW SANTA ROSA CORPORATE
 CENTER PKWY & ROSELAND
 2715 GRIFFEN AVENUE
 SANTA ROSA, CA 95404
 SONOMA COUNTY

ORIGINAL ISSUE DATE:
 10/07/2022

REV.:	DATE:	DESCRIPTION:	BY:
A	10/07/22	PRELIMINARY	CK
0	01/04/23	DESIGN(C)	SM

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 326 TRYON ROAD
 RALEIGH, NC 27603-3530
 (919) 661-6351

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

DRAWN BY: _____ CHK.: _____ APV.: _____

CK	MF	PD
----	----	----

LICENSER:

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

SHEET TITLE:
 SITE SURVEY

SHEET NUMBER:
 LS-2

10' UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF LOT 1 OF THE LANDS OF PATRIOT NORTHPOINT II REFI LLC AS SHOWN ON RECORD SURVEY RECORDED IN BOOK 814 PAGE 39 IN THE CITY OF SANTA ROSA, COUNTY OF SONOMA, STATE OF CALIFORNIA, BEING A 10.00 FOOT WIDE STRIP OF LAND LYING 5.00 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT AN IRON PIPE STAMPED RCE 31909 AT THE SOUTHWEST CORNER OF SAID PARCEL, FROM WHICH AN IRON PIPE STAMPED RCE 31909 BEARS THE FOLLOWING TWO COURSES:
 THENCE NORTH 85°12'34" EAST, 257.92 FEET; THENCE SOUTH 04°47'26" EAST, 47.06 FEET AS SHOWN ON SAID RECORD SURVEY RECORDED IN BOOK 814, PAGE 39, RECORDS OF SAID SONOMA COUNTY;

THENCE LEAVING SAID POINT OF COMMENCEMENT, NORTH 85°12'34" EAST, 71.87 FEET, THENCE SOUTH 04°20'27" EAST, 21.63 FEET; THENCE NORTH 85°47'02" EAST, 6.94 FEET TO THE POINT OF BEGINNING.

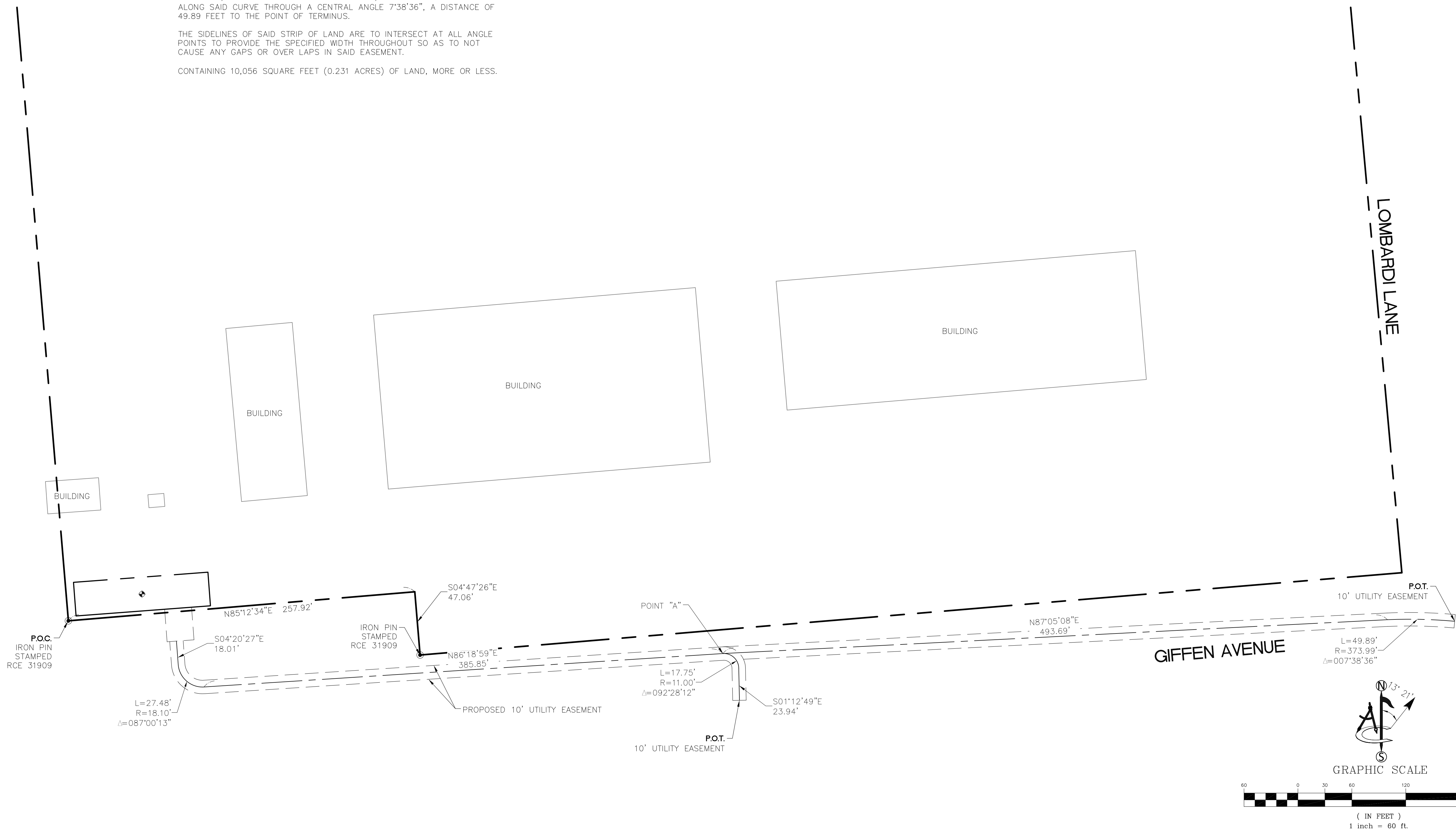
THENCE SOUTH 04°20'27" EAST, 18.01 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT, HAVING A RADIUS OF 18.10 FEET; THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 87°00'13", A DISTANCE OF 27.48 FEET; THENCE NORTH 86°18'59" EAST, 385.85 FEET TO A POINT HEREINAFTER REFERRED TO AS POINT "A" FOR PURPOSES OF THIS DESCRIPTION AND THE BEGINNING OF A TANGENT CURVE TO THE RIGHT, HAVING A RADIUS OF 11.00 FEET; THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 92°28'12", A DISTANCE OF 17.75 FEET; THENCE SOUTH 01°12'49" EAST, 23.94 FEET TO THE POINT OF TERMINUS.

TOGETHER WITH:

COMMENCING AT THE ABOVE MENTIONED POINT "A"; THENCE NORTH 87°05'08" EAST, 493.69 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE RIGHT, HAVING A RADIUS OF 373.99 FEET; THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE 7°38'36", A DISTANCE OF 49.89 FEET TO THE POINT OF TERMINUS.

THE SIDELINES OF SAID STRIP OF LAND ARE TO INTERSECT AT ALL ANGLE POINTS TO PROVIDE THE SPECIFIED WIDTH THROUGHOUT SO AS TO NOT CAUSE ANY GAPS OR OVER LAPS IN SAID EASEMENT.

CONTAINING 10,056 SQUARE FEET (0.231 ACRES) OF LAND, MORE OR LESS.



PROJECT INFORMATION:
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SW SANTA ROSA CORPORATE
CENTER PKWY & ROSELAND
 2715 GRIFFEN AVENUE
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 SONOMA COUNTY

ORIGINAL ISSUE DATE:
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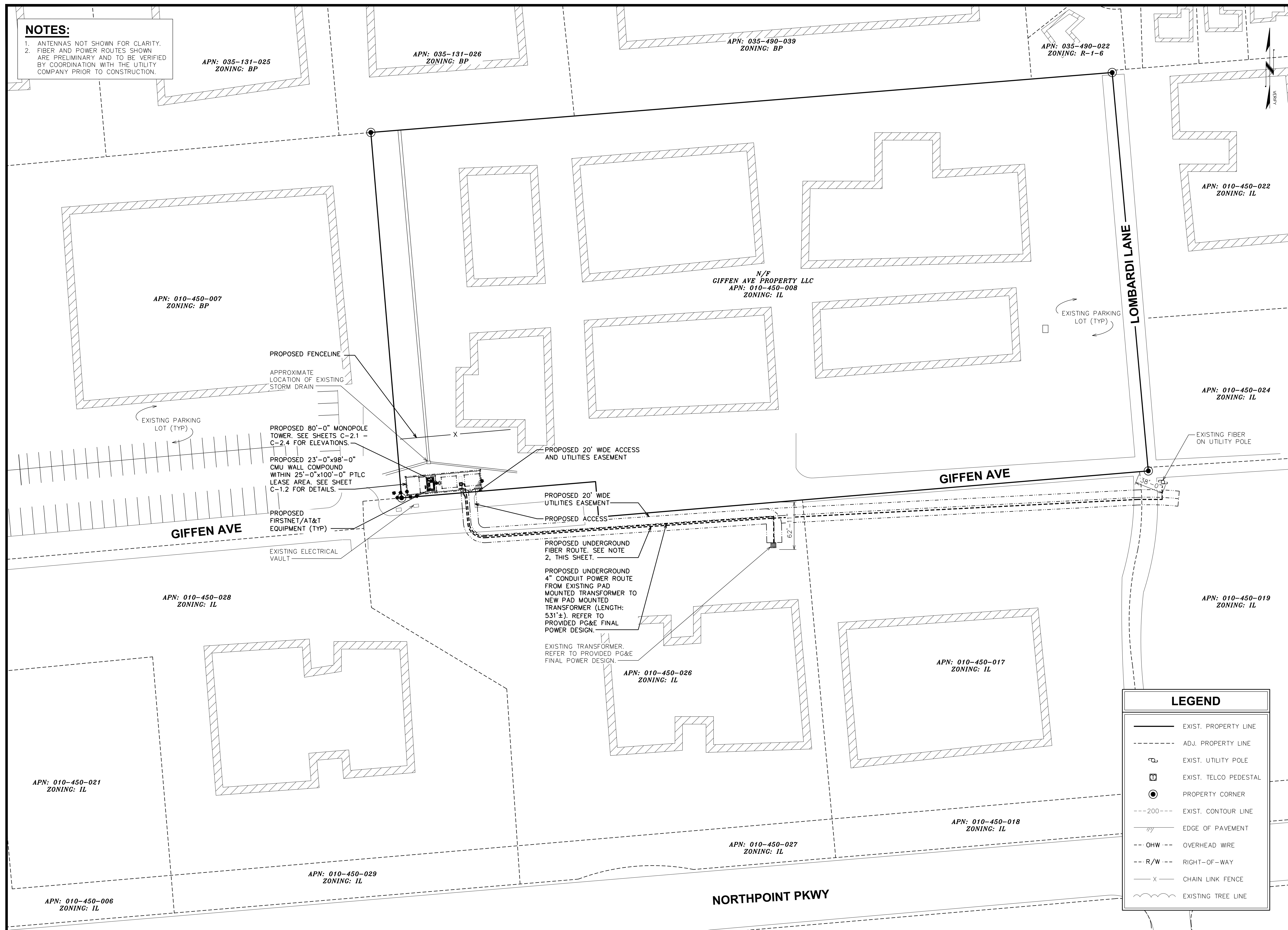
DRAWN BY:	CHK.:	APV.:
CK	MF	PD

LICENSER:
PRELIMINARY
 PATRICK B. DONOHOE
 P.L.S. NO. 9332

SHEET TITLE:
 SITE SURVEY

SHEET NUMBER:
 LS-3

NOTES:
 1. ANTENNAS NOT SHOWN FOR CLARITY.
 2. FIBER AND POWER ROUTES SHOWN ARE PRELIMINARY AND TO BE VERIFIED BY COORDINATION WITH THE UTILITY COMPANY PRIOR TO CONSTRUCTION.



PUBLIC SAFETY TOWERS COMPANY
 1903 WRIGHT PLACE, SUITE 140
 CARLSBAD, CA 92008

AT&T
 5005 EXECUTIVE PARKWAY
 SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
 4710 E ELWOOD ST, STE 9
 PHOENIX, AZ 85040
 OFFICE: (480) 285-0036
 www.tepgroup.net

**AT&T/FIRSTNET ID: CCL02094
 NORTHPOINT**

**PSTC #: CANC-SROSA01
 GIFFEN AVENUE PROPERTY**

**2715 GIFFEN AVE
 SANTA ROSA, CA 95407
 (SONOMA COUNTY)**

**PROPOSED 80'-0"
 MONOPINE TOWER**

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM

SEAL:

ZONING
 DO NOT USE FOR CONSTRUCTION

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

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-1.1

REVISION:
K

TEP #: 314201.336187

LEGEND

	EXIST. PROPERTY LINE
	ADJ. PROPERTY LINE
	EXIST. UTILITY POLE
	EXIST. TELCO PEDESTAL
	PROPERTY CORNER
	EXIST. CONTOUR LINE
	EDGE OF PAVEMENT
	OVERHEAD WIRE
	RIGHT-OF-WAY
	CHAIN LINK FENCE
	EXISTING TREE LINE

1 EXISTING OVERALL SITE PLAN

SCALE: 1" = 60' (24x36)
 SCALE: 1" = 120' (11x17)
 SCALE IN FEET

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

85'-0"±
T/APPERTENANCE

80'-0"±
T/TOWER

78'-0"±
C/FIRSTNET/AT&T ANTENNA

76'-0"±
C/FIRSTNET/AT&T ANTENNA

74'-0"±
C/FIRSTNET/AT&T ANTENNA

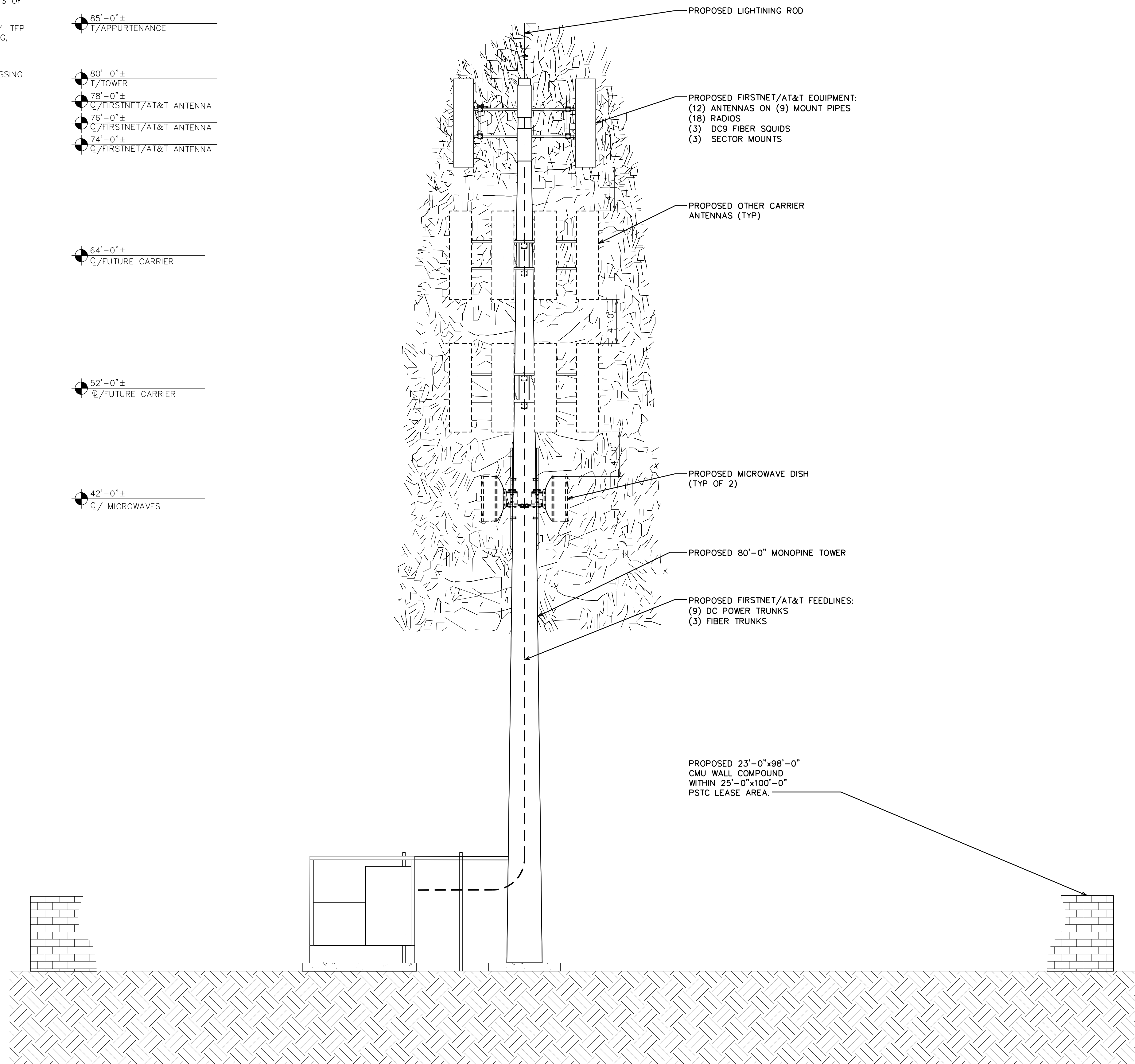
64'-0"±
C/FUTURE CARRIER

52'-0"±
C/FUTURE CARRIER

42'-0"±
C/MICROWAVES

6'-0"
T/CMU WALL

0'-0" (REF)
T/CONCRETE



PROPOSED LIGHTNING ROD

PROPOSED FIRSTNET/AT&T EQUIPMENT:
(12) ANTENNAS ON (9) MOUNT PIPES
(18) RADIOS
(3) DC9 FIBER SQUIDS
(3) SECTOR MOUNTS

PROPOSED OTHER CARRIER ANTENNAS (TYP)

PROPOSED MICROWAVE DISH (TYP OF 2)

PROPOSED 80'-0" MONOPINE TOWER

PROPOSED FIRSTNET/AT&T FEEDLINES:
(9) DC POWER TRUNKS
(3) FIBER TRUNKS

PROPOSED 23'-0"x98'-0"
CMU WALL COMPOUND
WITHIN 25'-0"x100'-0"
PSTC LEASE AREA

1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

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GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE
SANTA ROSA, CA 95407
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PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

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I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:

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SHEET TITLE:
FINAL SOUTH ELEVATION

SHEET NUMBER: **C-2.1** REVISION: **K**

TEP #: 314201.336187

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

- 85'-0"±
T/APPERTENANCE
- 80'-0"±
T/TOWER
- 78'-0"±
C/FIRSTNET/AT&T ANTENNA
- 76'-0"±
C/FIRSTNET/AT&T ANTENNA
- 74'-0"±
C/FIRSTNET/AT&T ANTENNA

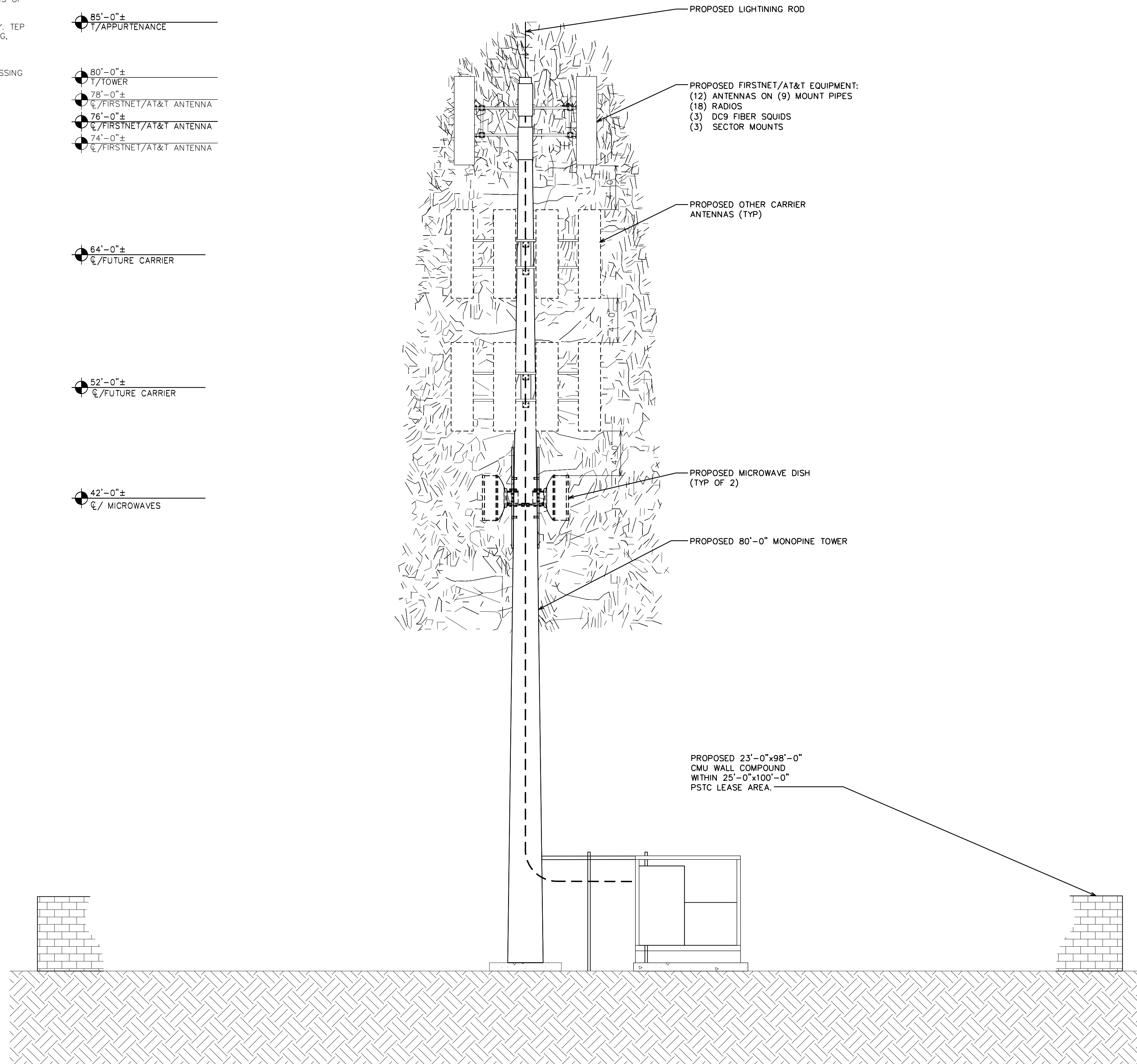
- 64'-0"±
C/FUTURE CARRIER

- 52'-0"±
C/FUTURE CARRIER

- 42'-0"±
C/MICROWAVES

- 6'-0"
T/CMU WALL

- 0'-0" (REF)
T/CONCRETE



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CARLSBAD, CA 92008

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**AT&T/FIRSTNET ID: CCL02094
NORTHPOINT**

**PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY**

**2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)**

**PROPOSED 80'-0"
MONOPINE TOWER**

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:

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SHEET TITLE:
FINAL NORTH ELEVATION

SHEET NUMBER: **C-2.2** **REVISION:** **K**

TEP #: 314201.336187

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

85'-0"±
T/APPERTENANCE

80'-0"±
T/TOWER

78'-0"±
C/FIRSTNET/AT&T ANTENNA

76'-0"±
C/FIRSTNET/AT&T ANTENNA

74'-0"±
C/FIRSTNET/AT&T ANTENNA

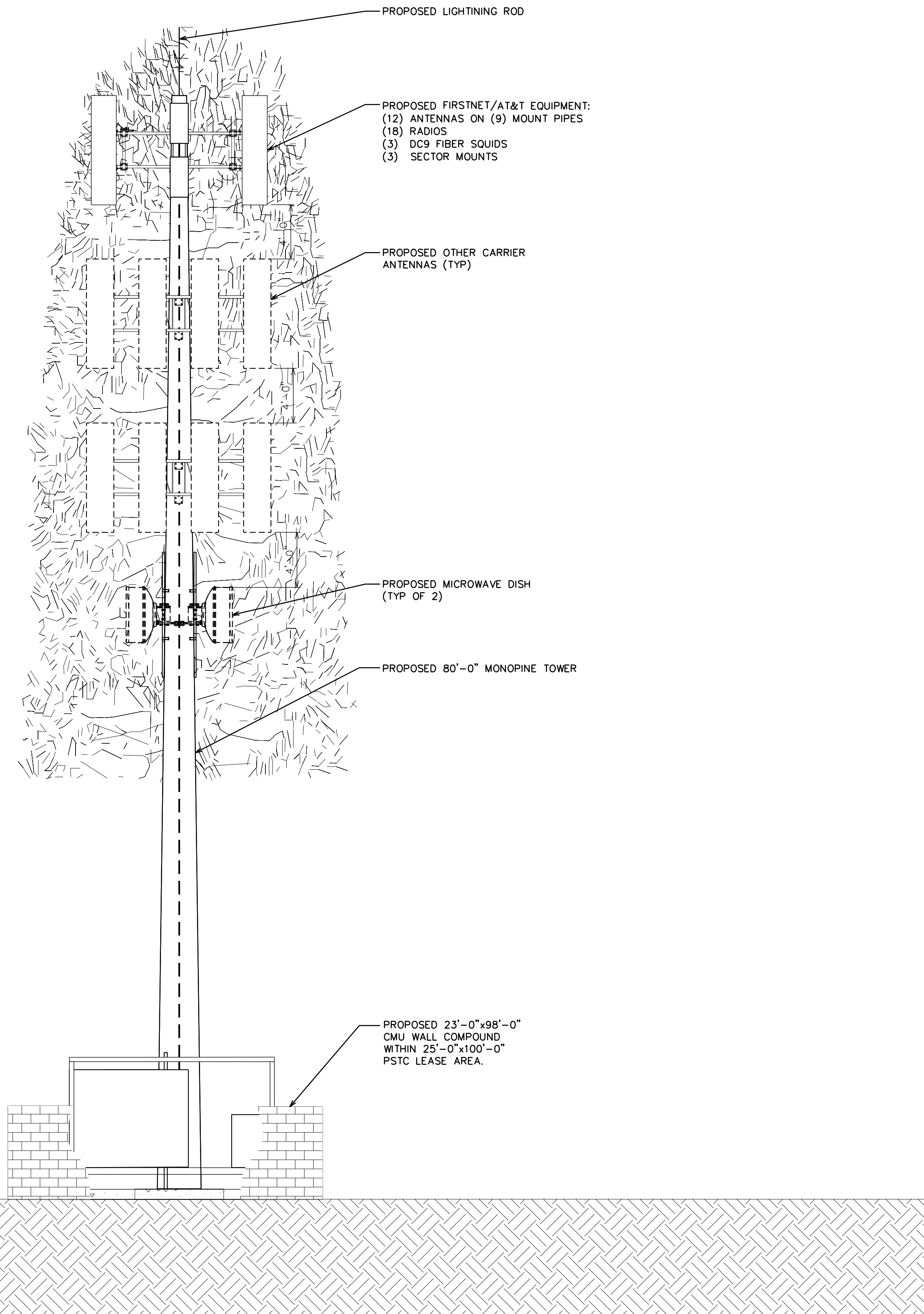
64'-0"±
C/FUTURE CARRIER

52'-0"±
C/FUTURE CARRIER

42'-0"±
C/MICROWAVES

6'-0"
T/CMU WALL

0'-0" (REF)
T/CONCRETE



1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

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TOWER ENGINEERING PROFESSIONALS
4710 E ELWOOD ST, STE 9
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**AT&T/FIRSTNET ID: CCL02094
NORTHPOINT**

**PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY**

**2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)**

**PROPOSED 80'-0"
MONOPINE TOWER**

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:

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SHEET TITLE:
FINAL EAST ELEVATION

SHEET NUMBER:
C-2.3

REVISION:
K

TEP #: 314201.336187

NOTES:

1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
2. TOWER ELEVATION IS FOR SCHEMATIC PURPOSES ONLY. TEP DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO ANTENNA HEIGHTS, ANTENNA AZIMUTHS, AND MOUNT CONFIGURATIONS.
3. CONTRACTOR TO VERIFY PROPOSED LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. CONTRACTOR TO CONTACT FIRSTNET/AT&T OR PSTC IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

85'-0"±
T/APPERTENANCE

80'-0"±
T/TOWER

78'-0"±
C/FIRSTNET/AT&T ANTENNA

76'-0"±
C/FIRSTNET/AT&T ANTENNA

74'-0"±
C/FIRSTNET/AT&T ANTENNA

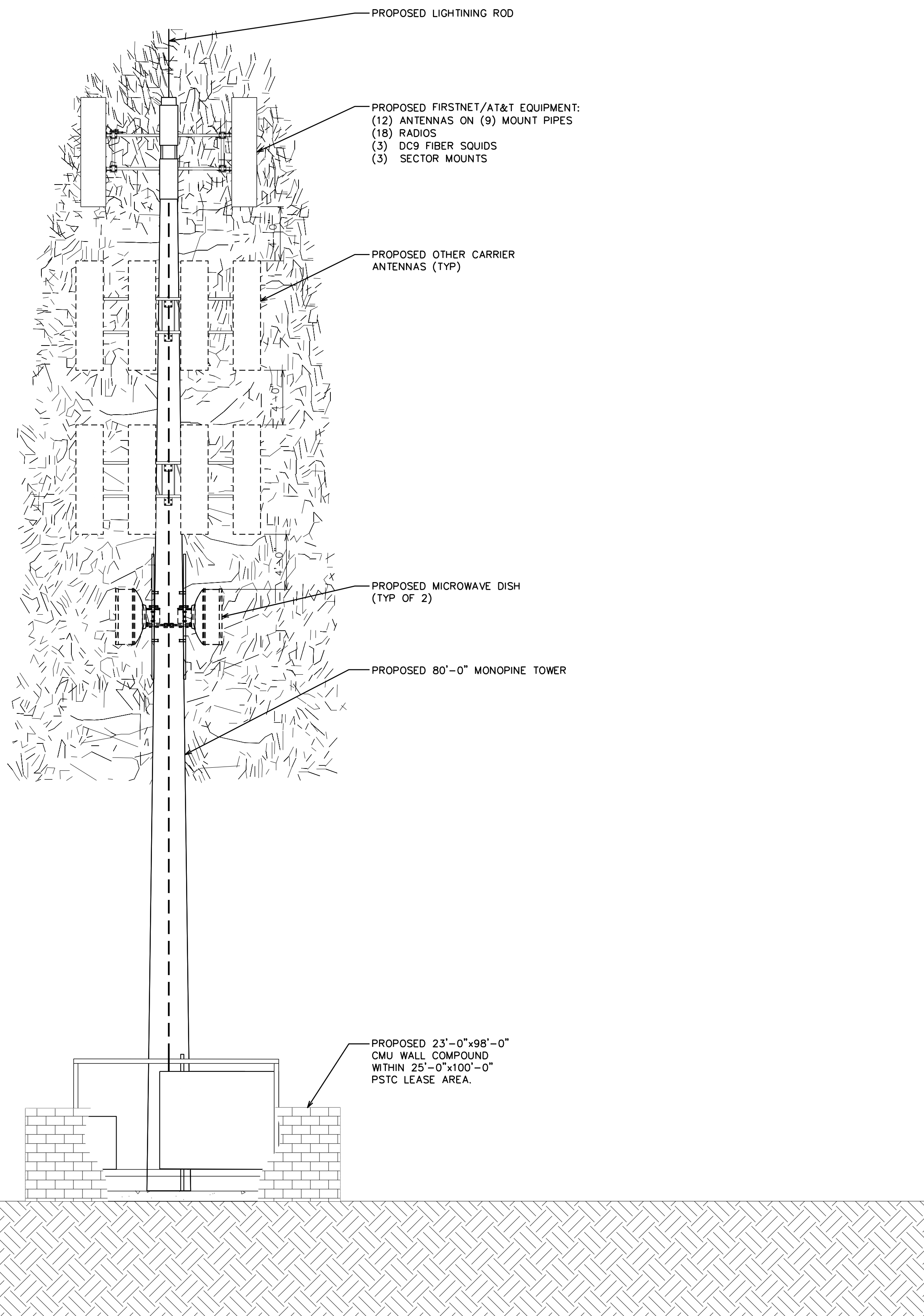
64'-0"±
C/FUTURE CARRIER

52'-0"±
C/FUTURE CARRIER

42'-0"±
C/MICROWAVES

6'-0"
T/CMU WALL

0'-0" (REF)
T/CONCRETE



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PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
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J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:

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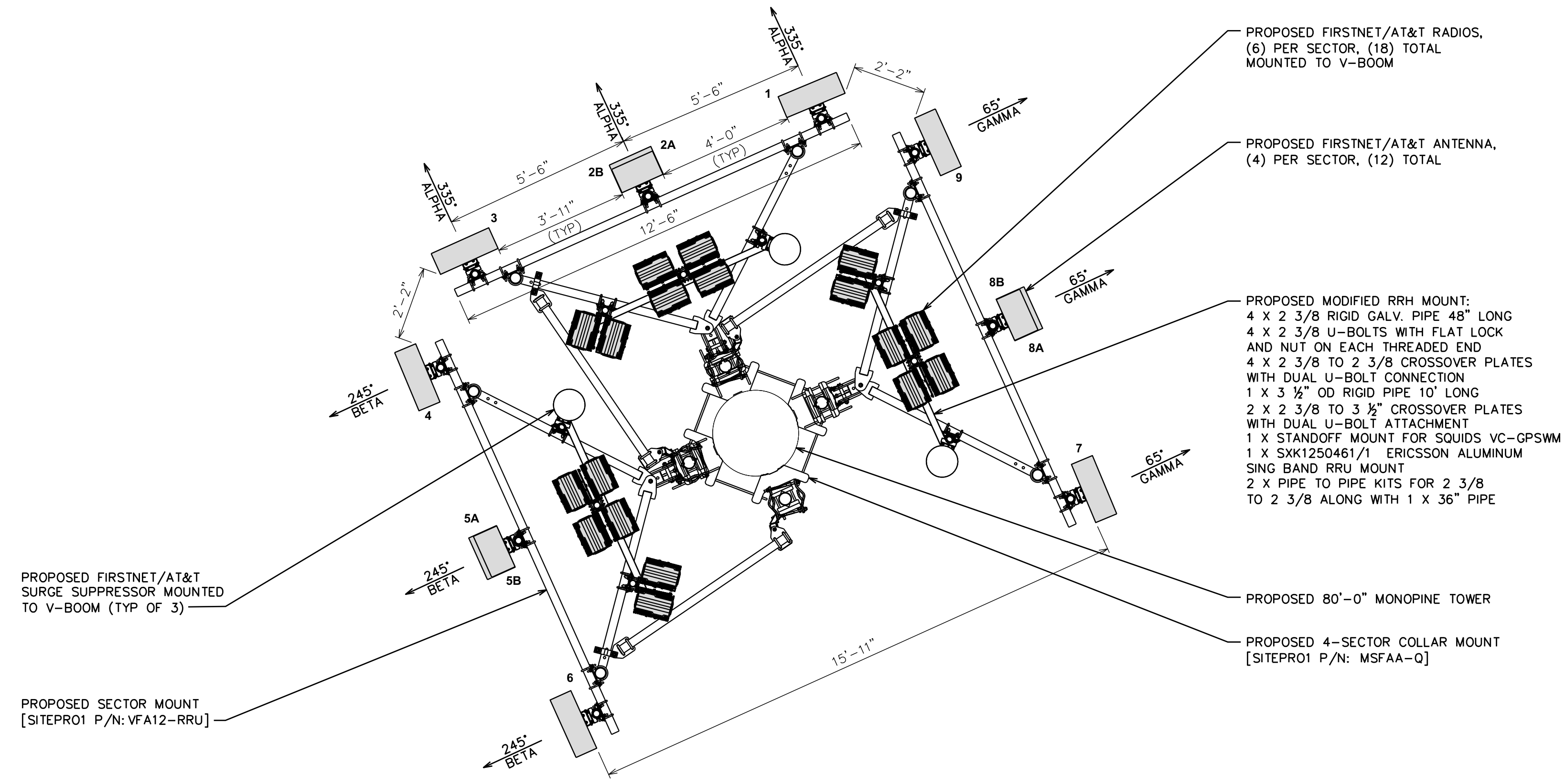
SHEET TITLE:
FINAL WEST ELEVATION

SHEET NUMBER: **C-2.4** REVISION: **K**

TEP #: 314201.336187

NOTE:

TEP DID NOT ANALYZE THE PROPOSED MOUNT SHOWN.



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CARLSBAD, CA 92008

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AT&T/FIRSTNET ID: CCL02094
NORTHPOINT

PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

1 FINAL ANTENNA LAYOUT

SCALE: 1/8" = 1'-0" (24x36)
SCALE: 1/16" = 1'-0" (11x17)
SCALE IN FEET

2 FINAL ANTENNA SCHEDULE

SCALE: N.T.S.

FINAL ANTENNA/FEEDLINE SCHEDULE							
SECTOR	POS.	MANUFACTURER (MODEL #)	MOUNTING HEIGHT	AZIMUTH (TN)	CABLE SIZE	CABLE LENGTH	OVP/RRH/TMA/DIPLEXER [MODEL #]
ALPHA	1	QUINTEL (QD8612-3D)	Ⓞ @ 76'-0"±	335°	(9) DC POWER TRUNKS (3) FIBER TRUNKS	126'±	(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 2012 B29 (1) RADIO 4426 B66 (1) RADIO 4415 B30 (1) RADIO 4478 B14 (1) DC9-48-60-24-8C-EV
ALPHA	2A	ERICSSON (AIR6449-B77D)	Ⓞ @ 74'-0"±	335°			
ALPHA	2B	ERICSSON (AIR6419-B77G)	Ⓞ @ 78'-0"±	335°			
ALPHA	3	QUINTEL (QD8616-7)	Ⓞ @ 76'-0"±	335°			
BETA	4	QUINTEL (QD8612-3D)	Ⓞ @ 76'-0"±	245°			
BETA	5A	ERICSSON (AIR6449-B77D)	Ⓞ @ 74'-0"±	245°			
BETA	5B	ERICSSON (AIR6419-B77G)	Ⓞ @ 78'-0"±	245°			
BETA	6	QUINTEL (QD8616-7)	Ⓞ @ 76'-0"±	245°			
GAMMA	7	QUINTEL (QD8612-3D)	Ⓞ @ 76'-0"±	65°			
GAMMA	8A	ERICSSON (AIR6449-B77D)	Ⓞ @ 74'-0"±	65°	(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B66A (1) RADIO 2012 B29 (1) RADIO 4426 B66 (1) RADIO 4415 B30 (1) RADIO 4478 B14 (1) DC9-48-60-24-8C-EV		
GAMMA	8B	ERICSSON (AIR6419-B77G)	Ⓞ @ 78'-0"±	65°			
GAMMA	9	QUINTEL (QD8616-7)	Ⓞ @ 76'-0"±	65°			

*NOTE: EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM

SEAL:

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SHEET TITLE:
FINAL ANTENNA LAYOUT & SCHEDULE

SHEET NUMBER: **C-3** **REVISION:** **K**

TEP #: 314201.336187

2.2 System Configuration

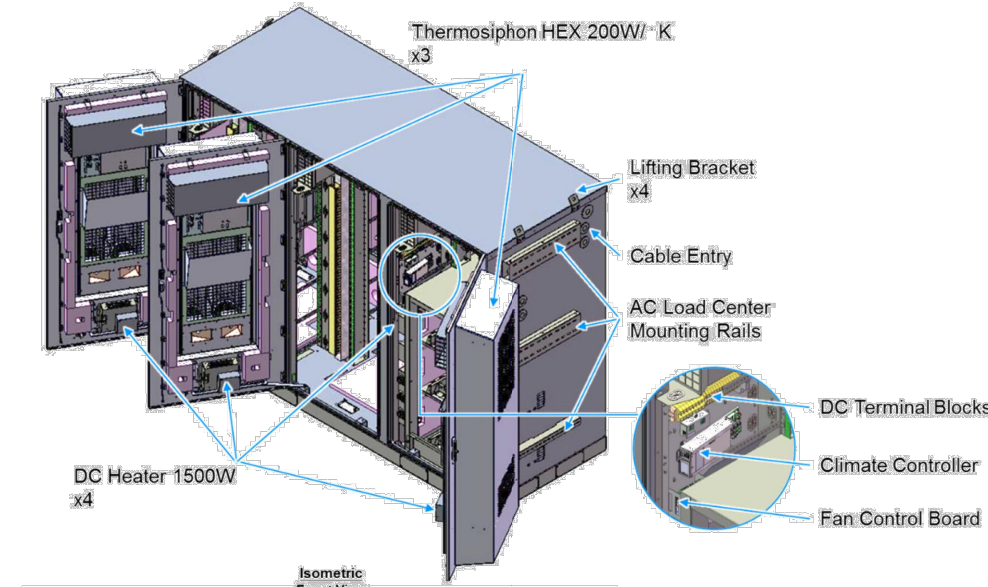
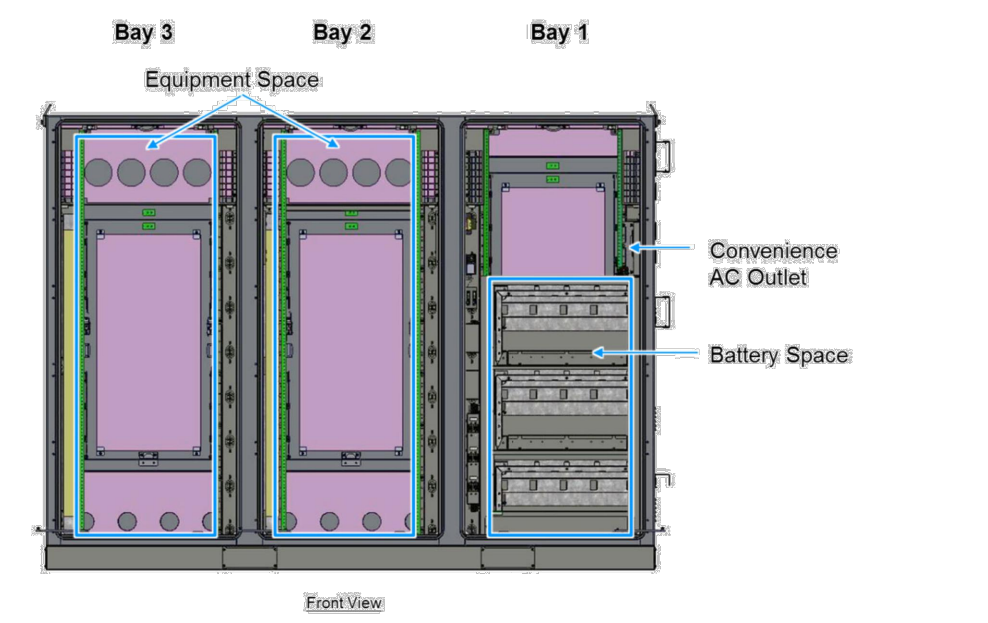


Figure 2-2 Multi-Bay Cabinet (Front View)



2.3 Cabinet Specifications

The cabinet is arranged for installation of a Delta or third-party AC Load Center and front access DC Power System. Table 2-1 below contains the input power specifications.

Table 2-1 Cabinet Specifications	
Item	Specification/Function
AC Input Range	
AC Input Voltage	1W+N+FG 100-120V _{AC}
AC Input Current (maximum)	12A (Max.)
AC Input Frequency	50/60Hz
DC Input Range	
DC Input Voltage	40 - 60V _{DC} (54V typical)
DC Input Current Rating	224A (max)
Battery Section	
Battery Trays	(3) Trays arranged for -48V battery strings, designed for: GNB Marathon M12V180FT Energys SBS190F Energys SBS170F
Climate Control	
Control & Supervisor Unit	Delta controller
Cooling	(3) 200W/K Thermosiphon HEX Cooling Capacity 9.1kW Maintains equipment inlet <65°C with exterior ambient <46°C
Heating	(4) 1500W DC Heaters
Environmental	
Operating Temperature	-40°C to +46°C (-40°F to +115°F)
Storage Temperature	-40°C to +75°C (-40°F to +167°F)
Relative Humidity	0-95% Relative Humidity, Non-Condensing
Altitude	-100 feet to +10,000 feet
Acoustic noise	≤ 65dBA @ +40°C equipment inlet
Protection Class	IP55 (EN 60529) NEBS III (GR-437)

2.4 Dimensions and Weight

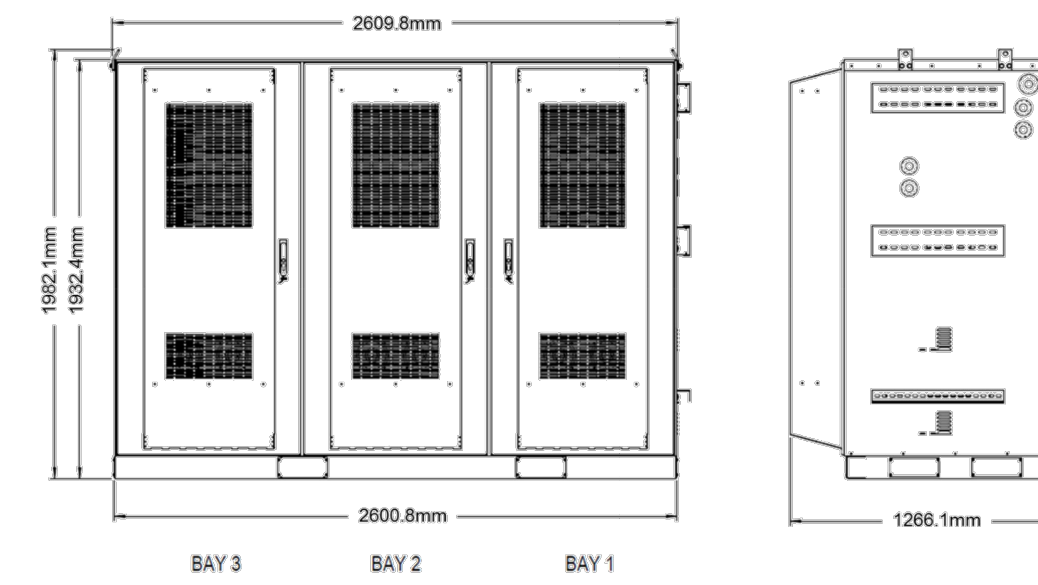


Figure 2-3 Cabinet Dimensions

Item	Specification/Function
Dimensions	2600.8W x 1932.4H x 1266.1D mm (102"W x 72"H x 49.5"D + 4" plinth)
Weight	2270* lbs. (* Batteries, Power System and Load Equipment excluded)



3.6 Cabinet Installation

Use the following steps to install the cabinet.

Step 1 Use the provided Template to mark anchor hole locations.

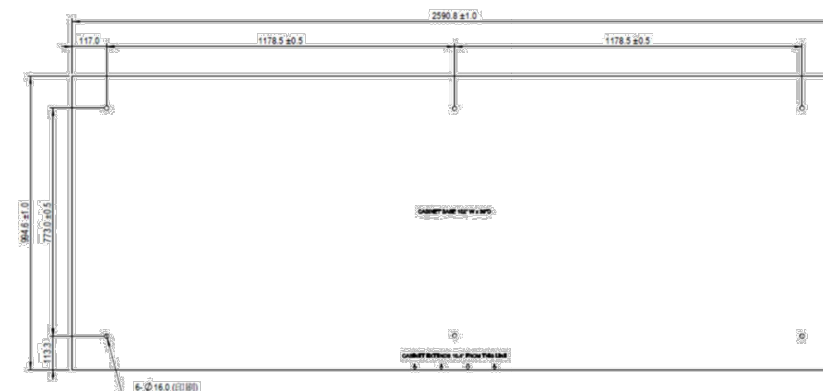


Figure 3-11 Mounting Template

Step 2 Drill anchor holes per specifications from the anchor manufacturer.

Step 3 Install anchors per instructions from the anchor manufacturer.

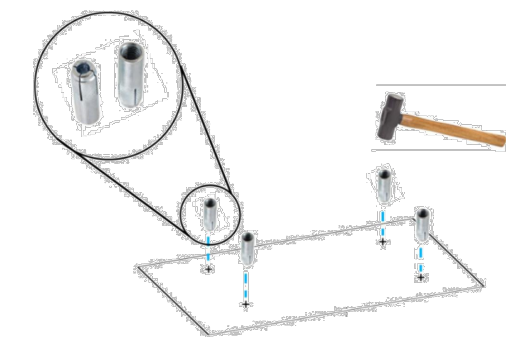


Figure 3-12 Insert anchors

Step 4 Place the pad separator (not provided) on the concrete pad aligned with the mounting holes. (A pad separator provides separation between the concrete pad and the base of the cabinet to prevent corrosion of the cabinet metal.)

Step 5 Mount the cabinet to the concrete pad with anchor bolts, lock washers and flat washers (not provided) per instructions from the anchor manufacturer.

Step 6 Close and secure hinged anchor access covers.



3.8 AC Load Center Installation

The cabinet provides mounting rails for AC Load Center mounting and corresponding cable entry ports for wiring from the AC Load Center into the cabinet. Follow Load Center requirements for installation.

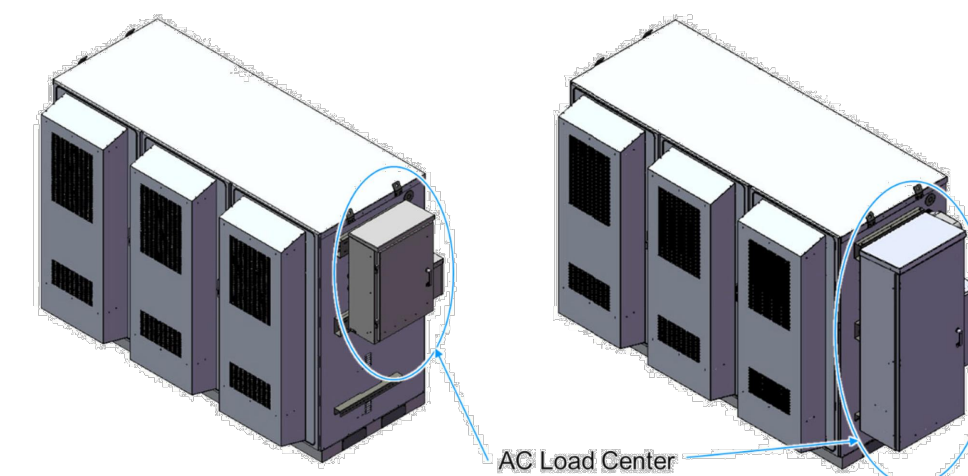


Figure 3-16 Cabinet with AC Load Center

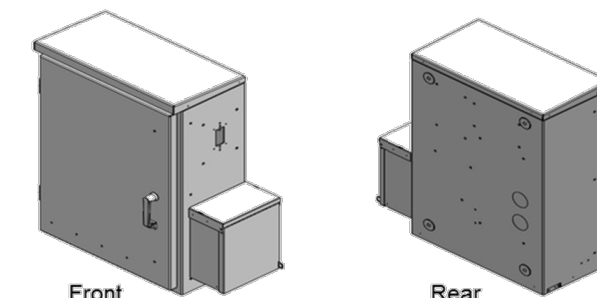


Figure 3-17 AC Load Center - MTS

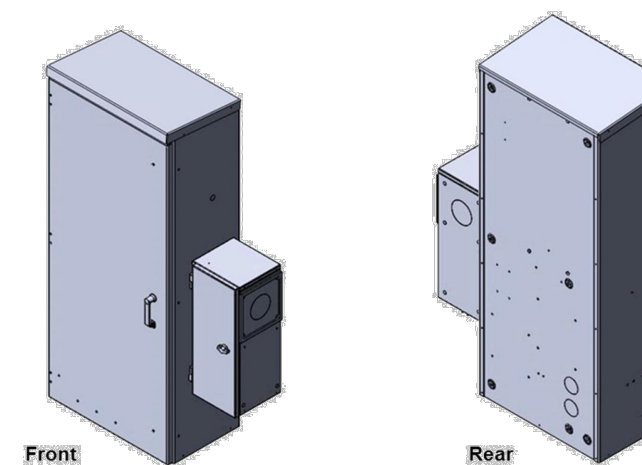


Figure 3-18 AC Load Center - ATS

Note! The cabinet provides mounting rails and AC cable entry ports arranged for mounting of Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. An AC Load Center and related fittings are not provided with the cabinet and must be provided as integration or site materials.

Use the following steps to install the Load Center on the cabinet:

Step 1 Provide suitable sealed fittings from the AC Load Center for entry into the Cabinet. Install on the Load Center before installing the Load Center onto the Cabinet. Delta recommends using Size 2" x 4" long outdoor rated pipe nipples and sealing conduit nuts (not provided)

Step 2 Provide Intersect PTLC-MTS-12200-CL or equivalent AC Load Center. Secure the Load Center to mounting rails per Load Center vendor instructions.

Step 3 Secure and seal fittings from the AC Load Center into entry ports on the cabinet

Step 4 Confirm the Site Utility and Load Center Main AC input breakers are in the "off" position

Step 5 Connect Site Utility 2W+N+G to the Load Center per Load Center vendor instructions, NEC, and local codes.

Note! Detailed AC Load Center position planning should include future equipment additions and changes

1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583

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OFFICE: (480) 285-0036
www.tepgroup.net

AT&T/FIRSTNET ID: CCL02094
NORTHPOINT
PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM

SEAL:

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SHEET TITLE:
WALK-UP-CABINET
DETAILS

SHEET NUMBER: **C-4** REVISION: **K**

TEP #: 314201.336187

NOTES:

- DETAILS SHOWN WERE PROVIDED BY OTHERS AND ARE NOT CARRIED UNDER SIGNATURE AND SEAL OF TOWER ENGINEERING PROFESSIONALS ENGINEERING SERVICES AND/OR ITS ENGINEERS
- REFER TO MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR FURTHER DETAILS ON INSTALLATION OF EXTENSION KIT.
- INSTALL EXHAUST VENT EXTENSION AS REQUIRED TO PROVIDE 12" CLEARANCE FROM GROUND LEVEL IN ACCORDANCE WITH CALIFORNIA STATE CODE.

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

Standby Power Rating
30 kW, 38 kVA, 60 Hz

Prime Power Rating*
27 kW, 34 kVA, 60 Hz



*EPA Certified Prime ratings are not available in the US or its Territories

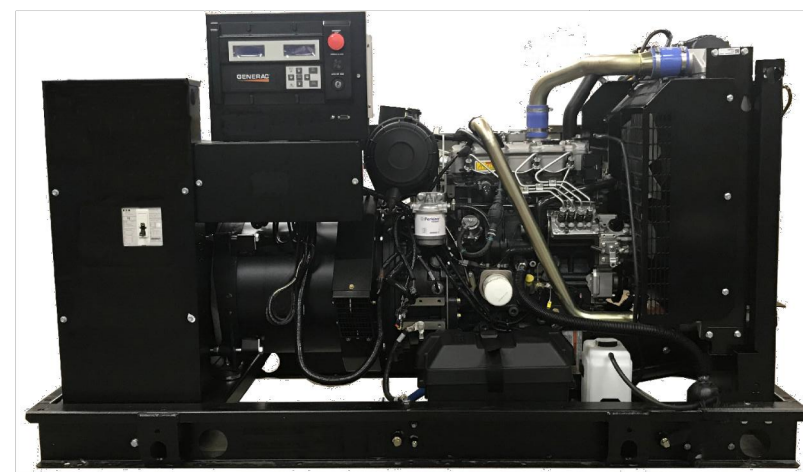


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, A81
- ANSI C82.41

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General		Cooling System	
Make	Perkins	Cooling System Type	Closed Recovery
EPA Emissions Compliance	Stationary Emergency	Water Pump Type	Pre-Lubed, Self Sealing
EPA Emissions Reference	See Emission Data Sheet	Fan Type	Pusher
Cylinder #	4	Fan Speed - RPM	1,980
Type	In-Line	Fan Diameter - In (mm)	18 (457)
Displacement - in ³ (L)	135 (2.22)	Fuel System	
Bore - in (mm)	3.3 (84)	Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Stroke - in (mm)	3.9 (100)	Fuel Specifications	ASTM
Compression Ratio	23.3:1	Fuel Filtering (Microns)	5
Inlet Air Method	Turbocharged	Fuel Inlet Pump	Distribution Injection Pump
Cylinder Head	Cast Iron	Fuel Pump Type	Engine Driven Gear
Platen Type	Aluminum	Injector Type	Mechanical
Crankshaft Type	Forged Steel	Fuel Supply Line - In (mm)	0.31 (7.9) ID
		Fuel Return Line - In (mm)	0.2 (4.8) ID
Engine Governing		Engine Electrical System	
Governor	Electronic Isochronous	System Voltage	12 VDC
Frequency Regulation (Steady State)	±0.5%	Battery Charger Alternator	Standard
Lubrication System		Oil Pump Type	Gear
Oil Filter Type	Full-Flow	Oil Filter Type	12 VDC
Crankcase Capacity - qt (L)	11.2 (10.6)	Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	K0035124Y21	Standard Excitation	Synchronous Brushless
Poles	4	Bearings	Single Sealed
Field Type	Revolving	Coupling	Direct via Flexible Disc
Insulation Class - Rotor	H	Load Capacity - Standby	100%
Insulation Class - Stator	H	Prototype Short Circuit Test	Yes
Total Harmonic Distortion	<5% (3-Phase Only)	Voltage Regulator Type	Digital
Telephone Interference Factor (TIF)	<50	Number of Sensed Phases	All
		Regulation Accuracy (Steady State)	±0.25%

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Unit Only)
- Engine Coolant Heater

FUEL SYSTEM

- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM

- Closed Coolant Recovery System
- UV/Zone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Sealed Engine Electrical Connections
- Solenoid Activated Starter Motor

CONTROL SYSTEM



Digital H Control Panel- Dual 4x20 Display

- Program Functions
 - Programmable Crank Limiter
 - 7-Day Programmable Exerciser
 - Special Applications Programmable Logic Controller
 - RS-232/485 Communications
 - All Phase Sensing Digital Voltage Regulator
 - 2-Wire Start Capability
 - Date/Time Fault History (Event Log)
 - Isosynchronous Governor Control
 - Waterproof/Sealed Connectors
 - Audible Alarms and Shutdowns
 - Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA 110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus™ Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display
- Fault System Status Display
 - Power Output (kW)
 - Power Factor
 - kW Hours, Total, and Last Run
 - Real/Reactive/Apparent Power
 - All Phase AC Voltage
 - All Phase Currents
 - Oil Pressure
 - Coolant Temperature
 - Coolant Level
 - Engine Speed
 - Battery Voltage
 - Frequency

GENERAC INDUSTRIAL POWER

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Critical Silencer (Open Set Only)
- Radiator Stone Guard
- Level 1 Fan and Belt Guards (Enclosed Units Only)

FUEL SYSTEM

- NPT Flexible Fuel Line

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

GENERATOR SET

- Extended Factory Testing
- 8 Position Load Center
- Pad Vibration Isolation

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Isolation Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AD/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Enclosure Heater
- Damper Alarm Contacts

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

GENERAC INDUSTRIAL POWER

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GIFFEN AVENUE PROPERTY

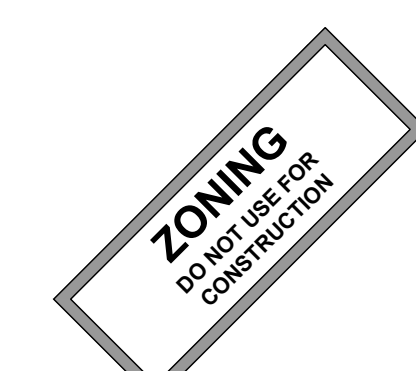
2715 GIFFEN AVE
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PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:



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SHEET TITLE:
GENERATOR DETAILS

SHEET NUMBER: C-5 **REVISION: K**

TEP #: 314201.336187

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS

		Standby	
Single-Phase 120/240 VAC @1.0pf	30 kW	Amps:	125
Three-Phase 120/208 VAC @0.8pf	30 kW	Amps:	104
Three-Phase 120/240 VAC @0.8pf	30 kW	Amps:	90
Three-Phase 277/480 VAC @0.8pf	30 kW	Amps:	45
Three-Phase 346/600 VAC @0.8pf	30 kW	Amps:	36

MOTOR STARTING CAPABILITIES (skVA)

		skVA vs. Voltage Dip	
120/240 VAC 1Ø	30%	277/480 VAC 3Ø	30%
A0035044N21	20	K0035124Y21	46
A0040044N21	24	K0040124Y21	58
A0050044N21	31	K0050124Y21	75

FUEL CONSUMPTION RATES*

		Diesel - gph (Lph)	
Fuel Pump Lift - ft (m)	Percent Load	Standby	
3 (1)	25%	1.0 (3.7)	
	50%	1.4 (5.2)	
	75%	2.0 (7.5)	
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)	100%	2.8 (10.5)	

COOLING

		Standby	
Coolant Flow	gpm (Lpm)	14.9 (55.2)	
Coolant System Capacity	gal (L)	2.5 (9.5)	
Heat Rejection to Coolant	BTU/hr (kW)	128,688 (136)	
Inlet Air	cfm (m ³ /hr)	2,800 (4,757)	
Maximum Operating Ambient Temperature	°F (°C)	122 (50)	
Maximum Operating Ambient Temperature (Before Derate)		See Bulletin No. 019628USSD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)	

COMBUSTION AIR REQUIREMENTS

		Standby	
		Flow at Rated Power - cfm (m ³ /min)	88 (2.5)

ENGINE

		EXHAUST	
Rated Engine Speed	RPM	Exhaust Flow (Rated Output)	cfm (m ³ /min)
1800	1,800	296.6 (8.4)	
Horsetpower at Rated kW**	hp	4.90	1.5 (5.1)
Piston Speed	f/lin (m/min)	1,181 (360)	
BMEP	psi (kPa)	159 (1,096)	

** Refer to "Emissions Data Sheet" for maximum BHP for EPA and SCAGMID permitting purposes.
Derate - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Standby - See Bulletin 018750SSB
Prime - See Bulletin 018751OSSB

SD030 | 2.2L | 30 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*

		OPEN SET		Weight - lbs (kg)	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - In (mm)		Steel	Aluminum
No Tank	76.0 (2,837)	37.4 (950) x 44.8 (1,138)	1,456	-1,641 (861 - 745)	
19	54 (204)	76.0 (1,930) x 37.4 (950) x 57.8 (1,468)	1,936	-2,121 (879 - 963)	
47	132 (500)	76.0 (1,930) x 37.4 (950) x 89.9 (1,779)	2,166	-2,361 (883 - 1,067)	
67	190 (719)	76.0 (1,930) x 37.4 (950) x 79.3 (2,014)	2,380	-2,565 (1,081 - 1,165)	
75	211 (799)	76.0 (1,930) x 37.4 (950) x 81.8 (2,076)	2,375	-2,560 (1,078 - 1,162)	
107	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.3 (2,167)	2,438	-2,623 (1,109 - 1,190)	

		WEATHER PROTECTED ENCLOSURE		Weight - lbs (kg)	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - In (mm)		Steel	Aluminum
No Tank	94.8 (357)	38.0 (965) x 49.5 (1,258)			
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)	372	241	
47	132 (500)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)	(169)	(109)	
67	190 (719)	94.8 (2,409) x 38.0 (965) x 84.0 (2,134)			
75	211 (799)	76.0 (1,930) x 38.0 (965) x 86.5 (2,198)			
107	300 (1,136)	92.9 (2,360) x 38.0 (965) x 90.0 (2,287)			

		LEVEL 1 SOUND ATTENUATED ENCLOSURE		Weight - lbs (kg)	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - In (mm)		Steel	Aluminum
No Tank	112.5 (425)	38.0 (965) x 49.5 (1,258)			
19	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)	505	338	
47	132 (500)	112.5 (2,857) x 38.0 (965) x 84.0 (2,134)	(229)	(153)	
67	190 (719)	112.5 (2,857) x 38.0 (965) x 84.0 (2,134)			
75	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)			
107	300 (1,136)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)			

		LEVEL 2 SOUND ATTENUATED ENCLOSURE		Weight - lbs (kg)	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - In (mm)		Steel	Aluminum
No Tank	94.8 (357)	38.0 (965) x 49.5 (1,258)			
19	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)	510	341	
47	132 (500)	94.8 (2,409) x 38.0 (965) x 84.0 (2,134)	(231)	(155)	
67	190 (719)	106.0 (2,692) x 38.0 (965) x 84.0 (2,134)			
75	211 (799)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)			
107	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)			

PROPOSED 30 kW GENERATOR WITH 190 GALLON TANK AND LEVEL 2 ACOUSTIC ENCLOSURE

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.
Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53190
P. (262) 544-



PowerSafe®
SBS Front Terminal
Telecommunications NEBS™ Certified

Battery Range Summary

The PowerSafe® SBS® Front Terminal battery further extends the technical leadership of PowerSafe SBS battery product line: not only do PowerSafe SBS Front Terminal monoblocs retain the benefits typically associated with Thin Plate Pure Lead (TPPL) Technology such as long life, high energy density, superior shelf life, etc., they also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge (TPPL) technology makes PowerSafe 12V batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe SBS batteries are designed to high quality standards and a unique manufacturing methods means superior energy and power, high performance and proven reliability, there is no substitute to PowerSafe SBS Front Terminal batteries.

Features and Benefits

- Capacity range 31-190Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR4228 compliant
- Proven long service life
- High energy density and cycling capability



Publication No: US-SBSF-RS-004 - January 2014

Construction

- Robust positive plates are designed to prolong service life and enhance corrosion resistance
- Separators are low resistance microporous (AGM). The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage
- Container and cover in flame retardant UL94-V0 material, highly resistant to shock and vibration
- Terminals are stainless steel front access with top access copper alloy insert. Top and front access terminations provide maximum conductivity
- Self-regulating one way pressure relief valves prevents ingress of atmospheric oxygen

Installation and Operation

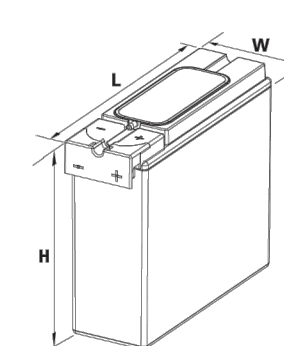
- Space efficient footprint
- VRLA design, reduces maintenance requirements
- Lifting handles for easy handling
- Greater than 10 year life expectancy in float service at 77°F (25°C)
- Increased active material surface area yields great cycling capability
- Operating temperature: -40°F (-40°C) to 122°F (50°C)
Recommended temperature: 68°F (20°C) to 86°F (30°C)

Standards

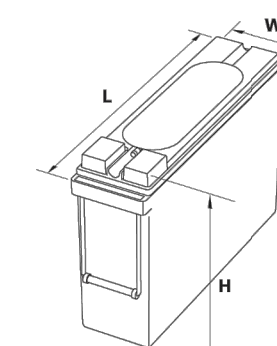
- Meets criteria for "non-spillable" batteries
- Complies with Telcordia® SR-4228, Network Equipment Building System (NEBS™) Criteria Levels
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

General Specifications

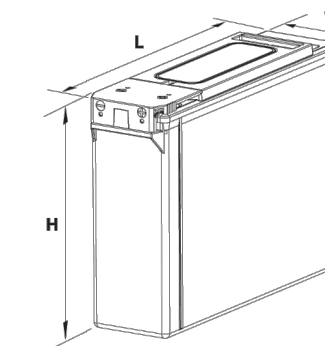
Cell Type	Nominal Capacity (Ah)		Nominal Dimensions				Weight - Volumes			
	10 hr rate to 1.80Vpc @20°C	8 hr rate to 1.75Vpc @77°F	in Length	mm	in Width	mm	in Height	mm	lbs Unpacked	kg
SBS B8F	31	31	11.9	303	3.8	97	6.3	159	22.7	10.3
SBS B10F	38	38	11.9	303	3.8	97	7.2	184	28.2	12.8
SBS B14F	62	62	11.9	303	3.8	97	10.4	264	42.0	19.1
SBS C11F	92	91	16.4	417	4.1	105	10.1	256	61.6	28.0
SBS 100F	100	100	15.6	395	4.3	108	11.3	287	71.9	32.6
SBS 112F	112	112	22.1	561	4.9	125	9.0	228	90.4	41.1
SBS 145F	145	145	17.9	455	6.8	173	9.4	238	105.0	47.7
SBS 165F	165	165	17.9	455	6.8	173	10.8	273	117.4	53.3
SBS 170F	170	170	22.1	561	4.9	125	11.1	283	115.7	52.5
SBS 190F	190	190	22.1	561	4.9	125	12.4	316	132.3	60.0



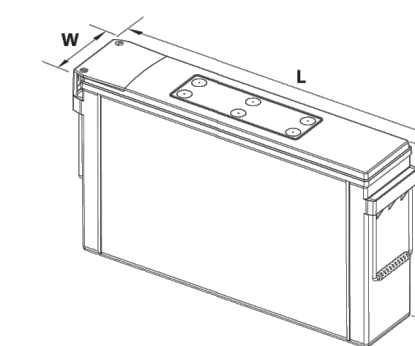
SBS B8F-B14F



SBS C11F



SBS 100F-112F



SBS 145F - 190F

MANUFACTURER:	ALPINE POWER SYSTEMS
MODEL:	POWERSAFE SBS 190F
BATTERY QTY:	8 UNITS
TOTAL BATTERY KWH:	18.24
TOTAL BATTERY WEIGHT (KG/LBS):	480 / 1058.4
TOTAL ELECTROLYTE VOLUME (GAL):	18.72
TOTAL ELECTROLYTE WEIGHT (KG/LBS):	129.5 / 285.4

PUBLIC SAFETY TOWERS
COMPANY
1903 WRIGHT PLACE, SUITE 140
CARLSBAD, CA 92008

AT&T
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SAN RAMON, CA 94583

TOWER ENGINEERING PROFESSIONALS
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PHOENIX, AZ 85040
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AT&T/FIRSTNET ID: CCL02094
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PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY
2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)
PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	SKK	ZONING	HMM

SEAL:

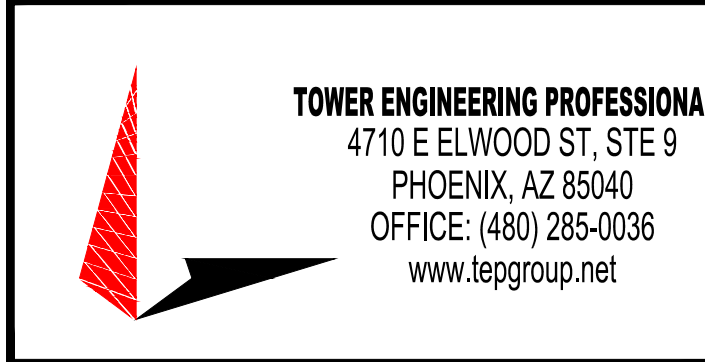
ZONING
DO NOT USE FOR
CONSTRUCTION

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

SHEET TITLE:
BATTERY DETAILS

SHEET NUMBER: **C-6** **REVISION:** **K**

TEP #: 314201.336187



AT&T/FIRSTNET ID: CCL02094
NORTHPOINT

PSTC #: CANC-SROSA01
GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE
SANTA ROSA, CA 95407
(SONOMA COUNTY)

PROPOSED 80'-0"
MONOPINE TOWER

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	QA
G	02-01-23	SSO	ZONING	HMM
H	03-28-23	SSO	ZONING	HMM
I	04-21-23	RCH	ZONING	HMM
J	09-29-23	CAM	ZONING	HMM
K	01-04-24	BKK	ZONING	HMM

SEAL:

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SHEET TITLE:
AC PANEL SCHEDULE

SHEET NUMBER: **E-1** REVISION: **K**

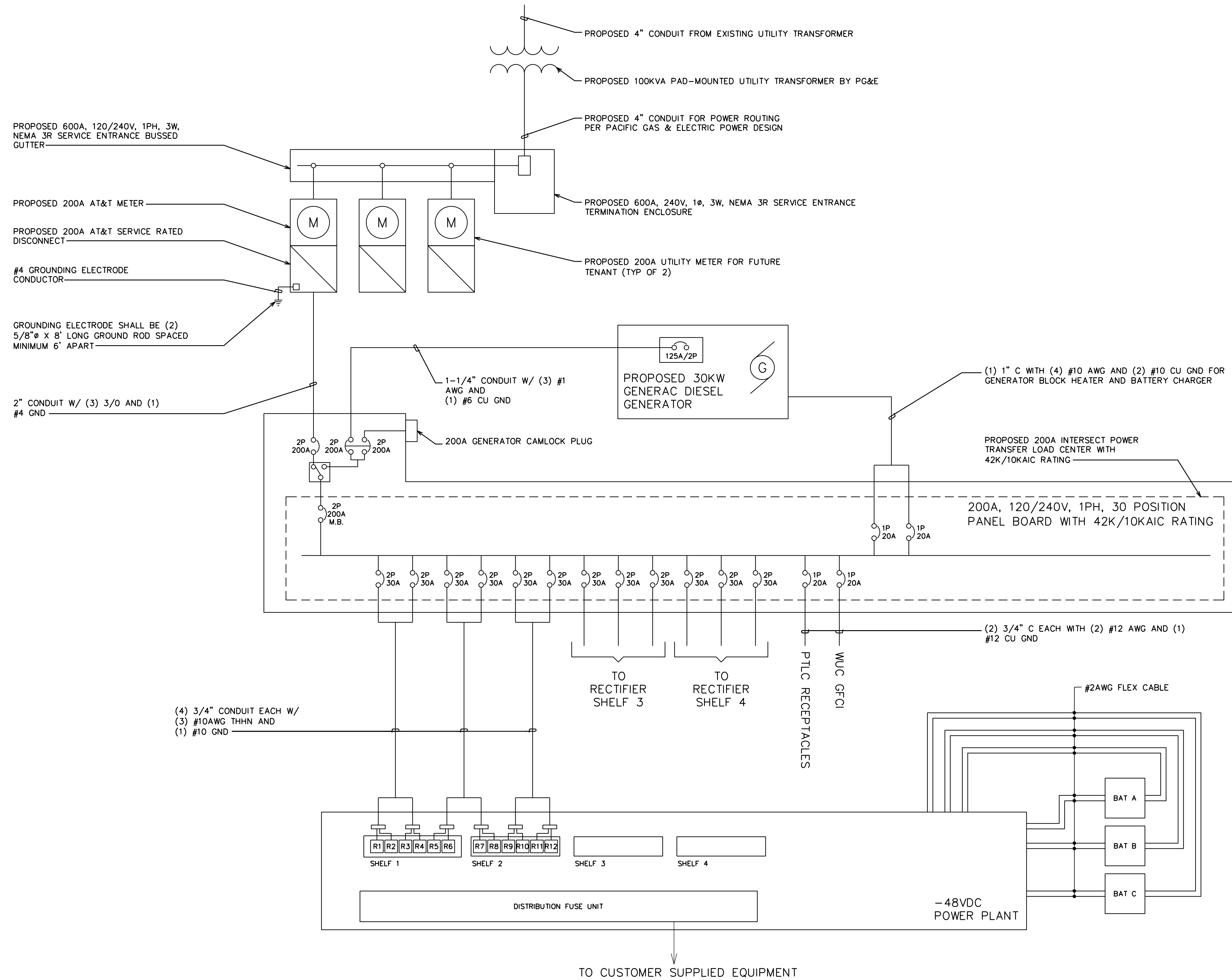
TEP #: 314201.336187

AC POWER PANEL A (PROPOSED)											
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A											
MAIN BREAKER RATING (A) :				200		SYSTEM VOLTAGE (V) :				240	
DESCRIPTION	VA	c/nc	BKR	POSN	L1	L2	POSN	BKR	c/nc	VA	DESCRIPTION
RECTIFIERS #1 & 2	1410	c	30/2	1	2820		2	30/2	c	1410	RECTIFIERS #3 & 4
	1410	c		3		2820	4		c	1410	
RECTIFIERS #5 & 6	1410	c	30/2	5	2820		6	30/2	c	1410	RECTIFIERS #7 & 8
	1410	c		7		2820	8		c	1410	
RECTIFIERS #9 & 10	1410	c	30/2	9	2820		10	30/2	c	1410	RECTIFIERS #11 & 12
	1410	c		11		2820	12		c	1410	
SPARE / OFF	0	nc	30/2	13	0		14	30/2	nc	0	SPARE / OFF
	0	nc		15		0	16		nc	0	
SPARE / OFF	0	nc	30/2	17	0		18	30/2	nc	0	SPARE / OFF
	0	nc		19		0	20		nc	0	
SPARE / OFF	0	nc	30/2	21	0		22	30/2	nc	0	SPARE / OFF
	0	nc		23		0	24		nc	0	
BLANK				25	1000		26	20/1	nc	1000	*GEN BLOCK HEATER
BLANK				27		650	28	20/1	nc	650	*GEN BATT CHARGER
PTLC RECEPTACLES	720	nc	20/1	29	900		30	20/1	nc	180	WUC GFCI
PHASE TOTALS (VA):					10360	9110					
PHASE TOTALS (A):					86	76					
CURRENT PER PHASE W/ 125% Continuous Loads(A):					104	94	Amperes/phase cannot exceed main breaker rating				
PANEL TOTAL (VA):					19470		Legend: c = continuous, nc = non-continuous				
PANEL TOTAL W/ 125% Continuous Loads (VA):					23700						
TOTAL LOAD FOR GEN OPERATION:					17820		*Generator loads are not in operation while generator is running				

PROPOSED LOADING = 23.7 KVA

NOTES:

1. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT.
2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS.
3. ONE-LINE DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY AND IS NOT INDICATIVE OF THE ACTUAL EQUIPMENT LAYOUT.
4. CONTRACTOR SHALL LABEL METER SOCKET WITH SERVICE OWNER NAMEPLATE WITH 1/2" HEIGHT MINIMUM LETTERS.
5. CONTRACTOR TO DETERMINE AVAILABLE FAULT CURRENT BEFORE ENERGIZING EQUIPMENT. THE AMOUNT OF AVAILABLE FAULT CURRENT SHALL BE MARKED ON THE SERVICE EQUIPMENT PER NEC 110.24.
6. CONTRACTOR WILL NOTIFY UTILITY COMPANY OF CHANGES IN ELECTRICAL LOAD.



AT&T/FIRSTNET ID: CCL02094 NORTHPOINT

PSTC #: CANC-SROSA01 GIFFEN AVENUE PROPERTY

2715 GIFFEN AVE SANTA ROSA, CA 95407 (SONOMA COUNTY)

PROPOSED 80'-0" MONOPINE TOWER

ISSUED FOR:

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SHEET TITLE:

ONE-LINE DIAGRAM

SHEET NUMBER: **E-2**

REVISION: **K**

TEP #: 314201.336187