GUYED HEIGHT: SITE TYPE: VERIZON SITE NAME: VERIZON SITE NUMBER:

350'-0" GUYED LAKE CITY SOUTH 228815

SITE ADDRESS: JURISDICTION: COUNTY: **BUSINESS UNIT #:**

870081

OLUMBIA COUN

WENT

Compliance Code Aeceived

BUILDING OF

267 SW CRYSTAL GLN, LAKE CITY, FL 32028 NIS EXPERIENCE OF THE PROPERTY OF THE

COLUMBIA COUNTY COLUMBIA

VERIZON: MOD;4G_850,5G_850,5G_L-Sub6-Prep,5G_Radio Swap

CROWN CASTLE USA INC. PROPERTY OWNER: LAT/LONG TYPE: GROUND ELEVATION: SITE ADDRESS: A.D.A. COMPLIANCE: TYPE OF CONSTRUCTION: CURRENT ZONING: AREA OF CONSTRUCTION: MAP/PARCEL #: OCCUPANCY CLASSIFICATION: U LONGITUDE: 153 FT EXISTING 30° 8′ 43.70″ IIB FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION COLUMBIA COUNTY NAD83 COLUMBIA LAKE CITY, FL 32025 -82° 39' 10.90" 267 SW CRYSTAL GLN LAKE CITY (SR +7 & US 41)

CARRIER/APPLICANT: 189 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921
CANICE STEPHEN - REAL ESTATE SPECIALIST
CANICE-STEPHEN@VERIZONWIRELESS.COM VERIZON WIRELESS CROWN CASTLE USA, INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317

TOWER OWNER:

TELCO PROVIDER: ELECTRIC PROVIDER: FIBER APP N/A CLAY ELECTRIC CO-OP

SHEET # G-2 G-1 C-5 C4 C-3 C-2 GROUNDING DETAILS SITE PLAN GENERAL NOTES GROUNDING DETAILS ELECTRICAL ONE LINE & LOAD ANALYSIS PLAN ELECTRICAL & GROUNDING SITE PLAN EQUIPMENT DETAILS EQUIPMENT DETAILS ANTENNA SCHEDULE TOWER ELEVATIONS & ANT. ORIENTATION EQUIPMENT PLAN SHEET DESCRIPTION

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR
11X17. CONTRACTOR SHALL VERHY 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.

PROJECT DESCRIPTION

LOCATION MAP

DRAWING INDEX

SITE INFORMATION

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

- TOWER SCOPE OF WORK

 MOUNT MOD PER ANALYSIS

 REMOVE (4) DBC-AP DIPLEXERS

 REMOVE (4) BAIST

 REMOVE (1) 1-5/8" COAX CABLES

 INSTALL (3) ERICSSON AR6449 ANTENNA/RRH
 INSTALL (3) ERICSSON 4449 RRH
 INSTALL (3) ERICSSON 4449 RRH
 INSTALL (3) ERICSSON 4449 RRH
 INSTALL (3) ERICSSON 4449 RRH
- INSTALL (1) 12X24 1-5/8" HYBRID CABLE

- GROUND SCOPE OF WORK

 REMOVE (8) ERICSSON 2212 B13 RRH
 REMOVE (6) DBC-7C DIPLEXERS
 REMOVE (1) ERICSSON 6201 CABINET
 INSTALL (1) 48V DC POWER PLANT RACK

EMERGENCY NOTE:
NO EQUIPMENT PROPOSED WITHIN THE PROJECT SCOPE SHALL BE USED FOR EMERGENCY RESPONSE. ELECTRICAL NOTE.

NO NEW AC ELECTRICAL WORK IS CAPTURED WITHIN THIS PROJECT SCOPE ALL ELECTRICAL UPGRADES AND OR WORK WILL BE HANDLED BY THE GENERAL CONTRACTOR AND PERFORMED IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL REQUIREMENTS.



CONTRACTOR PMI REQUIREMENTS

SMART TOOL VENDOR PROJECT NUMBER VAV LOCATION CODE (PSLC) PMI ACCESSED AT 10083860 https://pmi.vxw

PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

CROWN CASTLE
USA INC. DISTRICT
CONTACTS:

2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244

DEREK SMITH - PROJECT MANAGER (717) 856-0045 N/A - CONSTRUCTION MANAGER N/A

A&E FIRM:

P. MARSHALL & ASSOCIATES, LLC.
6801 PORTWEST DR. - SUITE 100
HOUSTON, TX 77024
SENIOR ENGINEER - PAT MARSHALL, P.E.
PROJECT ENGINEER - REESE MINOGUE

PROJECT TEAM

MOUNT MODIFICATION REQUIRED Y

VzW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

NOTES:

• CONTRACTOR TO CONFIRM LATEST RFDS VERSION WITH VERIZON PRIOR TO WORK COMMENCEMENT.

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

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.

ELECTRICAL MECHANICAL CODE
2020 FLORIDA BUILDING CODE, 7TH EDITION - BUILDING
2018 IBC W/ AMENDMENTS
2020 FLORIDA BUILDING CODE, 7TH EDITION - MECHANICAL
2018 IMC W/ AMENDMENTS
2020 FLORIDA BUILDING CODE, 7TH EDITION - ELECTRICAL
2017 NEC (NFPA 70)

ANALYSIS CRITERIA:

APPLICABLE CODES: TIA-222-H / ASCE 7-16
WIND SPEED: V = 118 MPH (ULTIMATE 3 SECOND GUST)
EXPOSURE CATEGORY: II
TOPOGRAPHIC CATEGORY: II
CREST HEIGHT: 0

SEISMIC RESPONSE: NA

APPLICABLE CODES/REFERENCE DOCUMENTS

REFERENCE DOCUMENTS: STRUCTURAL ANALYSIS: DATED:

MOUNT ANALYSIS: RFDS REVISION: DATED: ORDER ID: REVISION: DATED: MASER CONSULTING, PROJECT # 21944493A 06/09/2021 623632 N/A 06/23/2021 PROJECT # N/A N/A









2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244 CASTLE CROWN

U HOUSTON, TX 77024 OFFICE 713-677-0964

VERIZON SITE NUMBER: 228815

BU #: 870081 LAKE CITY (SR 47 & US 41) 267 SW CRYSTAL GLN LAKE CITY, FL 32025

EXISTING 350'-0" GUYED

		ISSU	ISSUED FOR:	
A	DATE	DRWN	DESCRIPTION	DES/QA
	6.0	HVÍ	ISSUED FOR PRELIMS	RAM
	08/25/2022 JAH	HVÍ	ISSUED FOR FINAL	RAM
i.				

STATE OF SOUNDER	130	No. 53573	XX
E EXCHANGE	08/26/22	NS/2 Y 3573	W MAR

P MARSHALL & ASSOCIATES CA #27565

SHEET NUMBER: REVISION

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

NOTICE TO PROCEED— NO WORK SHALL COMMENCE PRORT TO GROWN CASTLE USA NG. WRITEN NOTICE TO PROCEED (NIP) AND THE ISSUANCE OF A PURCHASE ORDER, PRIOR TO ACCESSING/ENTERNIG THE SITE YOU MUST CONTACT THE CROWN CASTLE USA NG. NGC AT 800-788-7011 & THE CROWN CASTLE USA NG. CONSTRUCTION MANAGER.

2. LOSILE DAS NO., NOW AN BUDY-ROS-POT I OF THE CHORM CASILE DAS NO, CONSTRUCTION, MANAGER.

2. LOCK UP? — CROWN CASTLE USA INC. SERTY CLIMB AND ALL COMPONENTS OF THE CLIMBNO FACILITY SHALL BE CONSTRUCTION.

1. THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBNO FACILITY SHALL BE CONSTRUCTION.

1. STALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR PUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBNO FACILITY ON THE STALL INCLUDE. THIS SHALL INCLUDE. BUT AND BE LIMITED TO: PROCHAGO OF THE WIRE ROPE. THE CLIMBNO FACILITY ON THE SAFETY CLIMB AND THE SAFETY CLIMB AND TO THE ANAPONED EXISTING COMPONENTS IN ANY WAY, OR TO INDEED PLACOK ITS INTEGRITY OR PUNCTIONAL USE OF THE WIRE ROPE WHICH ANY COMPONENTS OF THE WIRE ROPE WITH THE ROPE TO SHALL THE WOO. TO GENERATE A SAFETY CLIMB ANAPONEMY TO THE WIRE ROPE WHICH ANY COMPONENTS OF THE WIRE ROPE WITH THE SAFETY CONSTRUCTION ARE CONSTRUCTION ALL RECURRENCE. AND CONSTRUCTION ALL RECURRENCE, ALL RECURRENCE AND CONSTRUCTION ARE CONSTRUCTION AND CONSTRUCTION AND CONSTRUCTION ARE CONSTRUCTION AND CONSTRUCTION AND

E. IF HE SPECIFED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON HIESE DRAWNES, THE CONTRACTOR SHALL PROPOSE OF INSTALLATION.

AN ALTERNATIVE INSTALLATION.

THE STRUCT ACCORDANCE WITH ALL APPROVED SHALL BE IN STRUCT ACCORDANCE WITH ALL APPLICABLE COORS, REGULATIONS AND ORDINANCES CONTRACTOR SHALL ISSUE ALL APPROPABLE ROTTES AND COURTY WITH ALL LAWS, ORDINANCES, ROLLES, RECURATIONS (SOUTHWARD HORDERS OF ANY PUBLIC AUTHORITY RECARDING) THE PERFORMANCE OF THE WORK, ALL WORK COMPRESS AND LOCAL WORK AND LOCAL WORK COMPRAY WITH ALL APPLICABLE MANURIPHE ROTTES AND CONTRACTORS AND LOCAL WORK AND HORSE OF ANY PUBLIC AUTHORITY RECARDING).

THE CONTRACTOR SHALL COMPLY WITH ALL APPROPABLE RECULATIONS.

THE CONTRACTOR SHALL CONTRACT UTILITY COATION SERVICES PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL CONTRACT UTILITY COATION SERVICES PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL CONTRACTOR SHALL BE REQUIRED FOR THE PROPER DECUTION OF THE WORK, SHALL BE RELOCATED AS LECTRIC AND MESTE REQUIRED FOR THE PROPER DECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED OF CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL DESIGN SHALL PROPER DECUTION OF THE WORK, SHALL BE ADDICATED AND MESTE REQUIRED FOR THE WORKING CREMIT THE WORKING OR DELILING PIERS AROUND OR NEAR UTILITIES WORKS SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWNING AND PROJECT SPECIFICATIONS, LATEST OF CONTRACTOR SHALL CONTRACTOR SHALL CONTRACTOR SHALL DRAWNING AND PROJECT SPECIFICATIONS, LATEST OF CONTRACTOR SHALL DRAWNING AND PROJECT SPECIFICATIONS, LATEST OF CONTRACTOR SHALL DRAWNING AND PROJECT SPECIFICATIONS, LATEST OF THE WORKING SHALL PROPER SHALL SHALL SHE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWNINGS AND PROJECT SPECIFICATIONS, LATEST OF THE WORK SHALL SHALL

12 =

CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK, IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STOKES, STOKES, STOKES, STOKES, AND TOKER REPUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALY.

ALL EXISTING NACTIVE SEWER, WATER, CAS, ELECTRIC AND OTHER UTILITIES, WHICH HUTEREERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE WORD OF OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.

THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE. I

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FOUNDATIONS.

AND REINFORCING STEEL

SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE ICATION.

16.

REACES OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR WAY, SHALL BE GRADED TO A UNFORM SLOPE, AND STABILZED TO PREVENT EROSION AS SPECIFED ON THE TRUCTION DRAWNACS AND/OR PROLECT SPECIFICATIONS.

AL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACT 2011, ACT 318, ACT 318

CONFRACTOR SHALL PROTECT EXSTING IMPROVEMENTS, PAREMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY MOED PART SHALL BE REPARED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER. TRACTOR SHALL LECALLY AND PROPERTY ISSPOCE OF ALL SCAPE AND HOTERAS SUCH AS CORANG CABLES AND OTHER AS REMOVED FROM THE EXISTING FACILITY, ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED TRACK. IL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT

20 19. 00

21. FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT PLACED IN ANY FILL OR EMBANKMENT. RACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DALLY

THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROCONCRETE EXPOSED TO LARTH OR WEATHER.

#5 BARS AND LARGER.

CONCRETE EXPOSED TO LARTH OR WEATHER.

SJAB AND WALLS.

BEAMS AND COLUMNS.

A TOOLED EXCE OR A \$1/4" OHMPER SHALL BE PROVIDED ACCORDANCE WITH ACI 301 SECTION 4.2.4.

PROVIDED AT ALL

EXPOSED EDGES OF

3/4" 1-1/2" F CONCRETE, UNLESS N

NOTED OTHERWISE,

FOR THE PURPOSE OF CONSTRUCTION DRAWING, CONTRACTOR: GENERAL CONTRACTOR THE FOLLOWING DEFINITIONS RESPONSIBLE FOR CONSTRUC APPLY:

COMPACTOR SHALL BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETERESS NORMALLY EXERCISED UNDER HESE DRAWNESS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETERESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPURBLE CONTRACTOR AND/OR WORKERPIE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD COOD PRACTICE. AS NOT EXPERT COMPINION OR ELECATION IS (OR CAN BE) EXPLICITY SHOWN, ON HESE DRAWNINGS. THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD COOD PRACTICE FOR HISSELED DRAWNINGS REPRESENT HE FUNGHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OF METHODS OF CONSTRUCTION. THE HISSELED DRAWNINGS REPRESENT HE FUNGHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OF METHODS STRUCTURE. SAIL DRAWDERS, AND PROCEDURES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO, BRACING, FORMINDERS, SHORMING, ETC. SITE VISITS BY THE ENAMERS OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE TIEDS AND IS FOR STRUCTURAL OBSERNATION OF THE FINSHED STRUCTURE.

ONLY SHADING THE THE WORK ON THE CONSTRUCTION DAWNIGS SHALL TAKE PROCEDUCE ONE GENERAL MOTES AND THROUGH ETAILS. WHERE DISCREPANCES OF THE CONTROLLION SHALL CONFORM TO SMILLAR WORK ON THE PROCEDIT, WAD/OR AS PROVIDED FOR IN THE CONFIGURATION OF THE SHALL CONFORM TO SMILLAR WORK ON THE PROCEDIT, WAD/OR AS PROVIDED FOR IN THE CONFIGURATION OF TH

0.9 TED OHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO LEL NISTALLATIONS AS INDICATED ON THE DRAWNOSS.

ACTOR SHALL INSTALLAL EQUIPMENT AND MERBALLS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS YESTALL STALL ALL EQUIPMENT AND MERBALLS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS OFFED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL PROPROSE AND STALLATION FOR APPROVAL BY THE CARRER AND CROWN CASTLE PROPR TO PROCEEDING WITH ANY SUCH CHANGE OF MISTALLATION FOR APPROVAL BY THE CARRER AND CROWN CASTLE PROPR TO PROCEEDING WITH ANY SUCH CHANGE OF

12.

3 CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND BORN AND TRANSPORT OF CONTRACTOR SHALL PROTECT EXISTING MEROPACHINIS, PROVINCINS, CURBS, LANDSCAPING AND STRUCTURES, ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA, INC.
CONTRACTOR SHALL LEGALLY AND PROPERTY DISPOSE OF ALL SCAP MATERIALS, SHALL CASLES AND OTHER ITEMS REMOVED FROM THE EXISTING APPLIETY, ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESCRIPTED (CASTLES ON A DAILY BASIS.)
CONTRACTOR SHALL LEGALLY AND PROPERTY DISPOSE OF ALL SCAP MATERIALS, SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFIC LOCAL, CODES/ORDINANCES.

CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS SS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND

REMENTS OF THE NEC.

IRED BY THE NEC.

AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL

2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244

CASTLE

CROWN

O

0

11 PORTWEST DR. STE 1 HOUSTON, TX 77024 OFFICE 713-677-0964

ALL OPERCORRENT DEVOES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CRICUIT CURRENT ON WHICH THEY ARE SUBJECTED, 22,000 AC MINIMUM, VERYEY AWAILABLE SHORT CHRCUIT CURRENT DOES NOT EXCEED THAN THE SHORT CRICUIT CURRENT ON WHICH THEY ARE SUBJECTED, 22,000 ACM MINIMUM, VERYEY AWAILABLE SHORT CHRCUIT CURRENT DOES NOT EXCEED THE ARING OF ELECTROAL COLOR CONDUCTOR, AND TECH CO CONDUCTOR OR CHAELE SHALL BE LIKEBED WITH COLOR—CODED INSULATION OR ELECTRICAL TAPE (3M BRANCH (72" PUSTIC ELECTRICAL TAPE WITH V PROTECTION, OR EQUILLY). THE IDENTIFICATION METHOD SHALL DOESDEWS SHALL BE CLEARLY LABELED WITH LANCOID TAGS SHOWNE THER RATED NOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPLETY RATING AND BRANCH CORCIT ID NUMBERS (4e. PANEL BOARD AND CIRCUIT DIS).

B. ALL PIEW SHALL DOESDEWS SHALL BE CLEARLY LABELED WITH LANCOID TAGS SHOWNE THEIR RATED NOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPLETY SHALL BE CLEARLY LABELED WITH PUSTIC LABELS.

B. ALL PIEW SHALL SHAW, WHAW—2, THM, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

SUPPLIENTATIVE, EQUIPMENT GROUND WIRROU GOVERD NODIONS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN—2, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—2, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—2, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—2, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—2, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—1, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THAN—1, XHHW, XHHW—2, THW, THM—2, RHW, OR RHW—2 INSULATION UNICESS OTHERWISE SPECIFED.

THE WELLOW SHALL BE RATED FOR OPERATION NOT LESS THAN 75 C (50° C OF AWAILABLE).

B. ELECTROAL METALL SHAWLE SHALL BE LISTED FOR LOBBORY AND WIRE LISTS AND WIRE LISTS AND WIRE LISTS AND WIRE LISTS AND WIRE L

ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
SCHEDULE 40 PVG UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVG CONDUIT,
LOQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS LOUID-TIGHT FLEXIBLE METALUC CONDUIT (UDUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.

27. METS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANS/REE AND THE NEC.

WIREWAY).

22. SLOTED WRING DUCT SHALL BE PAC AND NICLUDE COMER (PANDUIT TYPE E OR EQUAL).

23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS, EXPLOSIVE DEVICES (I.A. POWDER-ACTUARED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED, CLOSELY FOLLOW THE LIVES OF THE STRUCTURE, LANIAN POWDER-ACTUARED POR ATTACHING HANGERS TO STRUCTURE AROUNG DESTRICES SHALL BE AND EXPLOSURED HANGERS TO STRUCTURE AND PERFENDICULAR TO STRUCTURE WALL AND EXPLINED HANGERS. A LORDING SHALL BE INSTALLED IN A NEXT AND MORNANCHE MANNER, PARALLEL AND PERFENDICULAR TO STRUCTURE WALL AND ECLUNO LIVES, ALL CONDUIT SHALL BE INSTALLED IN A NEXT AND MORNANCHE MANNER, PARALLEL AND PERFENDICULAR TO STRUCTURE WALL AND PERFENDICULAR TO STRUCTURE BOX DISCHARGE HORN INCOMPANY ON OUR ENTERNIAN AND PERFENDICULAR TO STRUCTURE BOXES BY CALVANUZED PROY-COATED OR NOT-COATED OR DEVELOPMENT OF STRUCTURE BOXES SHALL WEET OR RECEED OR NOT-COATED OR NOT PERFENDIC LOCATIONS.

25. MEMA CENTRACTOR SHALL NOTEY AND OBTAIN NECESSARY JUHORIZATION ROOM PANEES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE FORMS AND INSTALLED AND THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

26. NOSHALL AND TO SAFEGUARD LIFE AND PROPERTY.

27. INSTALL LANCOID LABEL ON THE WEETER CENTER TO SHOW "VERTICIN".

LAKE CITY (SR 47 & US 41)

BU #: 870081

VERIZON SITE NUMBER:

228815

SEE NEC 210.5(C)(1) POLARITY MARKED AT DC VOLTAGE CONDUCTOR COLOR CODE COLOR BLACK RED WHITE GREEN BLACK RED BLUE BLUE WHITE GREEN BROWN ORANGE OR PURPLE GREY GREEN BROWN BROWN BROWN BROWN ORANGE OR PURPLE GREEN BROWN BRO

HE COMPANCION SMALL PERSONA RETE PAL—OF-PORTINAL RESISTANCE TO LIGHT RESISTANCE TO RESISTANCE TO LIGHT RESISTANCE TO THE CORDINATE AND RESISTANCE TO RESISTANCE AND LIGHT RESISTANCE TO THE CORDINATE AND RESISTANCE TO RESISTANCE TO LIGHT RESISTANCE TO RESISTANCE TO RESISTANCE TO RESISTANCE TO RESISTANCE TO LIGHT RESISTANCE TO RESI

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READIO RES STATION

REMOTE ELECTRIC ILLT

READIO FRECUENCY CATA SHEET

REMOTE RADIO HAD

REMOTE RADIO UNIT

SWAPT INTEGRATED GEVCE

TOWER MOUNTED AMPLIER

TYPICAL

UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM

WORK POINT

UNIFORM COLOR CODE:

TEMPORARY SURVEY MARKINGS PROPOSED EXCAVATION

CAS, OIL, STEAM, PETROLEUM, OR GASEOUS MATERIALS OR CONDUIT AND TRAFFIC LOOPS AND LIGHTING CABLES. CABLES, CONDUIT,

RECLAIMED WATER, IRRIGATION, AND SLURRY POTABLE WATER

SEWERS AND DRAIN LINES

987657377599876 544 21

GREENFIELD

GROUNDING NOTES:

20.

W.P.T. EXISTING
FACILITY INTERFACE FRAME
FACILITY INTERFACE FRAME
GENERATOR
GLOBAL POSITIONING SYSTEM
GLOBAL SYSTEM FOR MOBILE
LONG TERM EVOLUTION
MASTER GROUND BAR
MICROWAYE
STEMPOWAYE NATIONAL ELECTRIC CODE PROPOSED POWER PLANT QUANTITY

EXISTING 350'-0" GUYED

LAKE CITY, FL 32025 267 SW CRYSTAL GLN

DRWN ISSUED FOR: ISSUED FOR PRELIMS ISSUED FOR FINAL

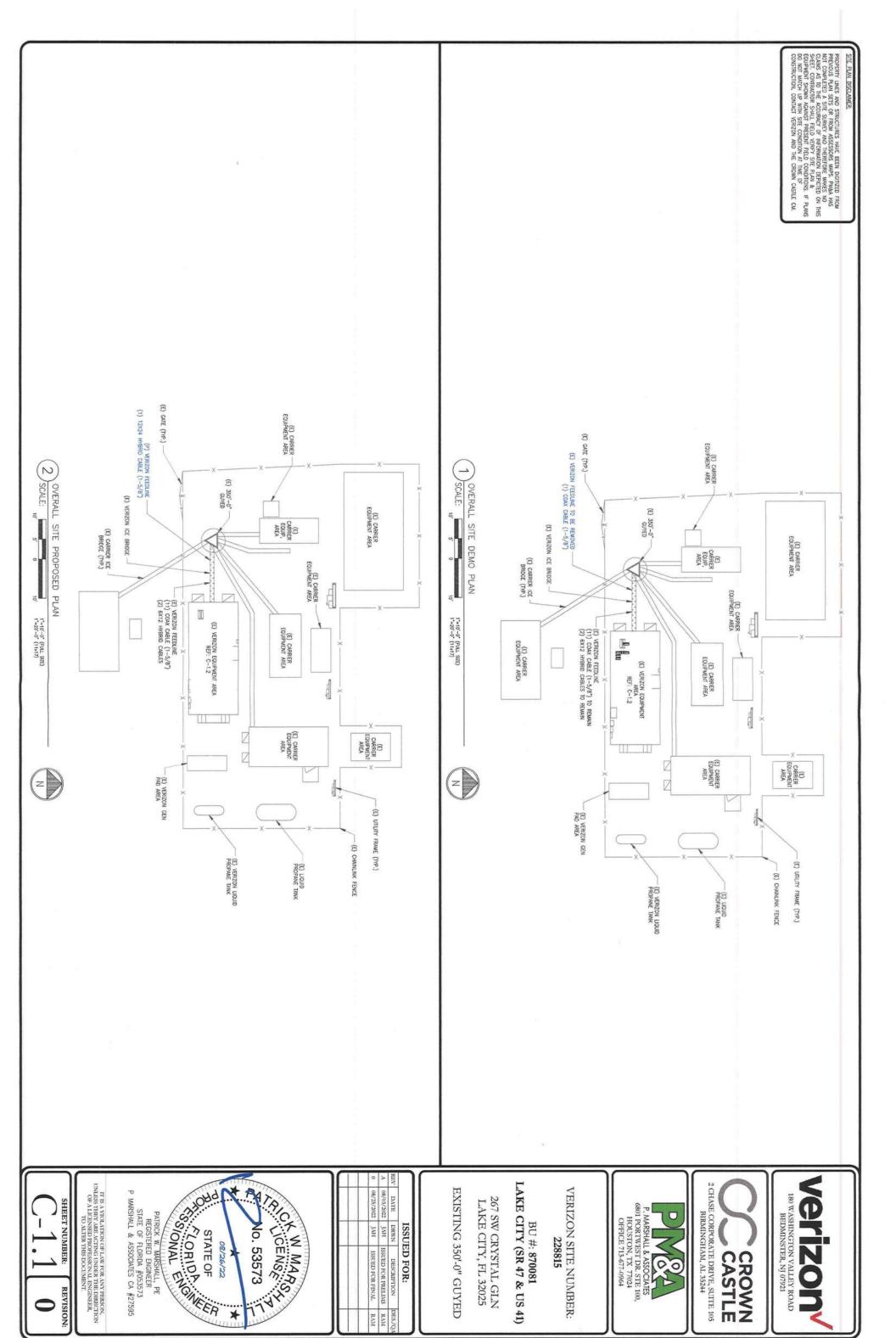
RICH W MARSH No. 53573 *

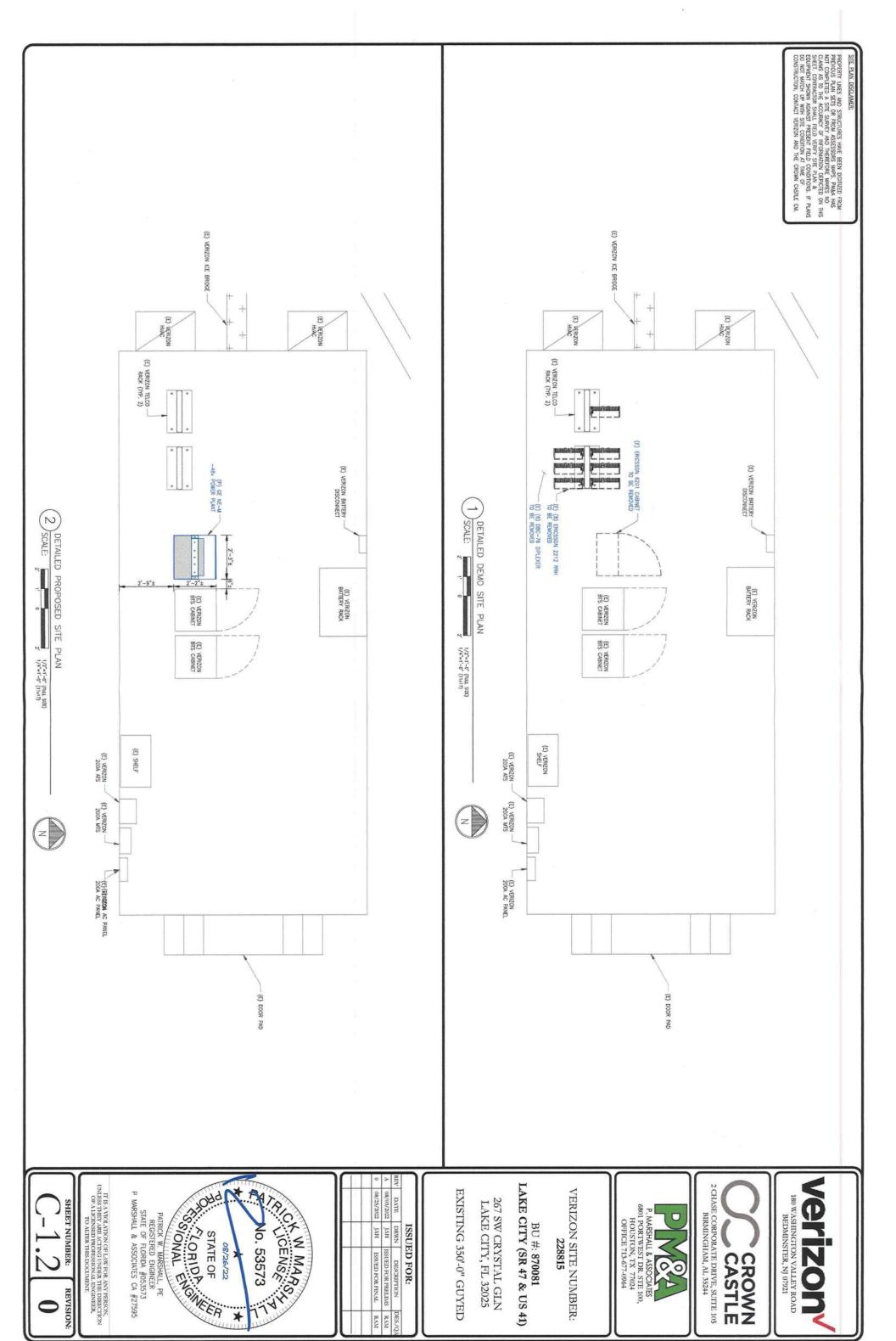
PATRICK W. MARSHALL, PE REGISTERED ENGINEER STATE OF FLORIDA #053573 P MARSHALL & ASSOCIATES CA #27595 THE LORIDA IN 08/26/22

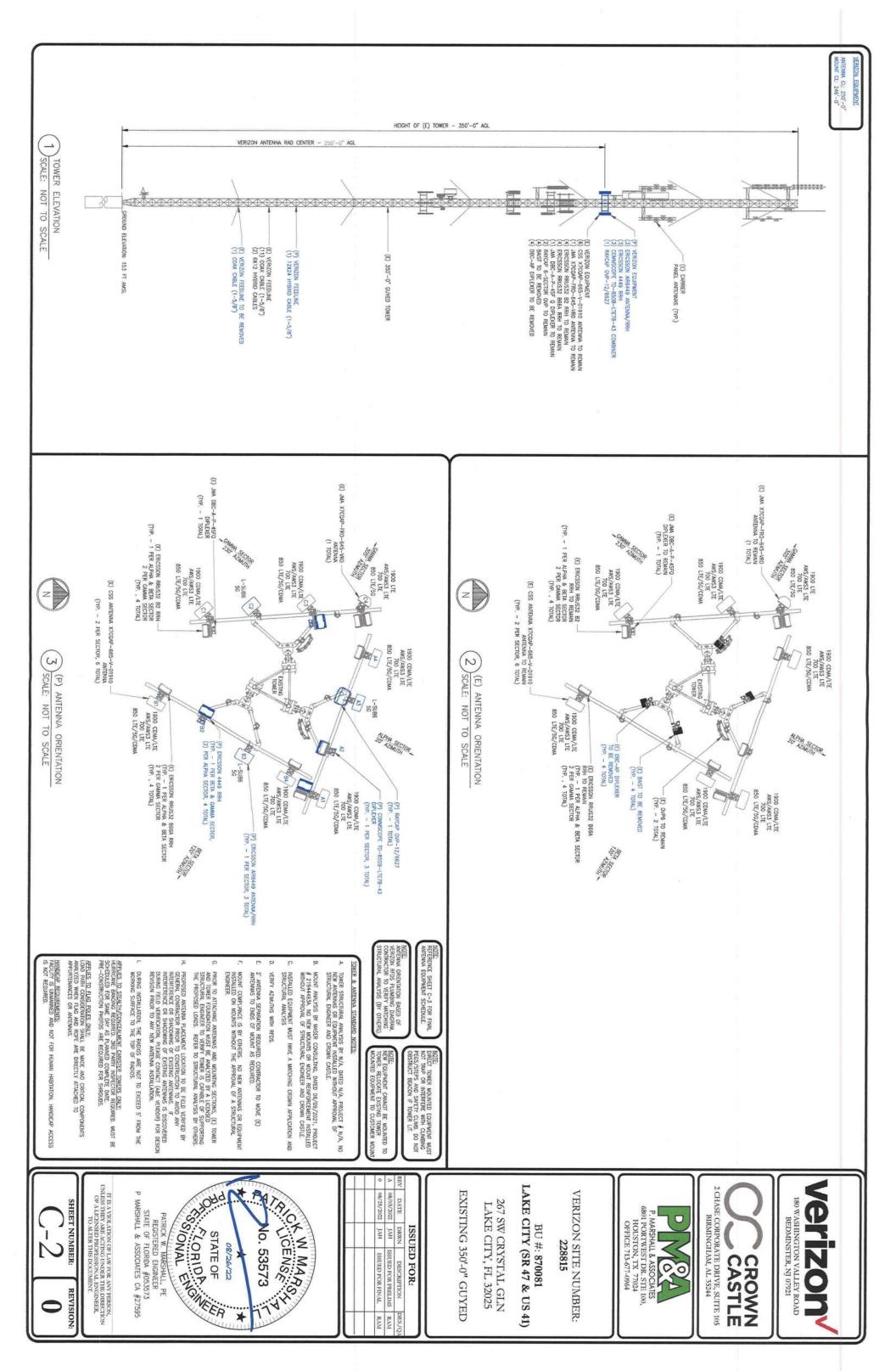
IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROPESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

SHEET NUMBER:

REVISION:







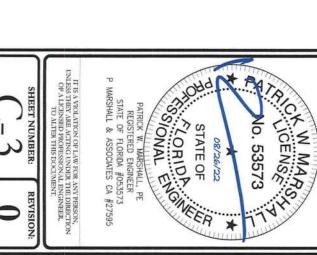
CONTRACTOR SHALL CONFIRM EQUIPMENT CONFIGURATION WITH FINAL VERIZON RF DWS BEFORE PROCEEDING WITH ANTENNA MODIFICATIONS.

1) SCALE: NOT TO SCALE

2	8	ß	C1	84	B3	B2	81	A4	AS		2		A	SECTOR	
EXISTING	EXISTING	NEW	EXISTING	EXISTING	NEW	t	EXISTING	EXISTING	NEW		13	PERIODOM	EXISTING	STATUS	
JMA	CSS	ERICSSON	SS	CSS	ERCSSON	Ī.	CSS	CSS	ER(CSSON		10		SSS	MANUFACTURER	
X7CQAP-FR0-645-VR0	X7CQ4P-665-VRO	AJR 6449	X7CQAP-665-VR0	X7CQAP-665-VR0	AR 6449	e	X7CQAP-865-VRO	X7CQAP-665-VRO	NR 6449		î	ALCOHOLD COMPANY AND COMPANY A	X7CQAP-665-VR0	ANTENNA MODEL	FINAL E
250'0"	250'-0"	250'-0"	250'-0"	250'-0"	250'-0"	250'-0"	250'-0"	250'-0"	250'-0"		250'-0"		250'-0"	CENTERUNE	FINAL EQUIPMENT SCHEDULE
305	230'	230"	230"	120'	120"	120*	120"	20"	20"		20"	,	20.	AZIMUTH	SCHEDULE
(E) ERICSSON	(P) COMMSCOPE (P) ERICSSON	i	(E) JMA	(E) ERICSSON	, k	(P) ERICSSON (P) COMMISCOPE	(E) ERICSSON	(E) ERICSSON	(P) RAYCAP	(P) COMMSCOPE	(E) ERICSSON	(P) ERICSSON	(E) ERICSSON	TOWER EQUIPMENT MANUFACTURER	
(1) RRU32 B66A (1) RRU32 B2	(1) DIPLEXER TD-8508-LIE78-43 (1) RADIO 4449	,	(1) RRU32 B2 (1) DBC-A-P-4SF Q	(1) RRU32 B2	ř.	(1) RADIO 4449 (1) DIPLEXER TD-8508-LTE78-43	(1) RRU32 B66A	(1) RRU32 B2	(1) 0VP12/6827	(1) DIPLEXER TD-8508-LTE78-43	(1) RRU32 B66A	(1) RADIO 4449	(1) RRU32 B664	TOWER EQUIPMENT QTY/MODEL	
								MECHANICAL DOWNTILTS	NOTE: REFER TO RFDS FOR ELECTRICAL &	TOTAL CABLE OTY:	MBN	EXISTING	EXISTING	STATUS	8
								OWNTILTS	S FOR ELE		НҮВВИ	HYBRID	COAX	CABLE TYPE	FINAL CABL
									CTRICAL &		2,	1-1/2"	1-5/8"	SIZE	FINAL CABLE SCHEDULE
									C-		cu.	c.	Car	1	m

				TOTAL CABLE OTY:
0	300'-0"±	N _g	HYBRID	WEW
0,	300'-0"±	1-1/2"	HYBRID	EXISTING
0,	300'-0"±	1-5/8"	COAX	EXISTING
딒	LENGTH	SIZE	CABLE TYPE	STATUS





2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244

CROWN

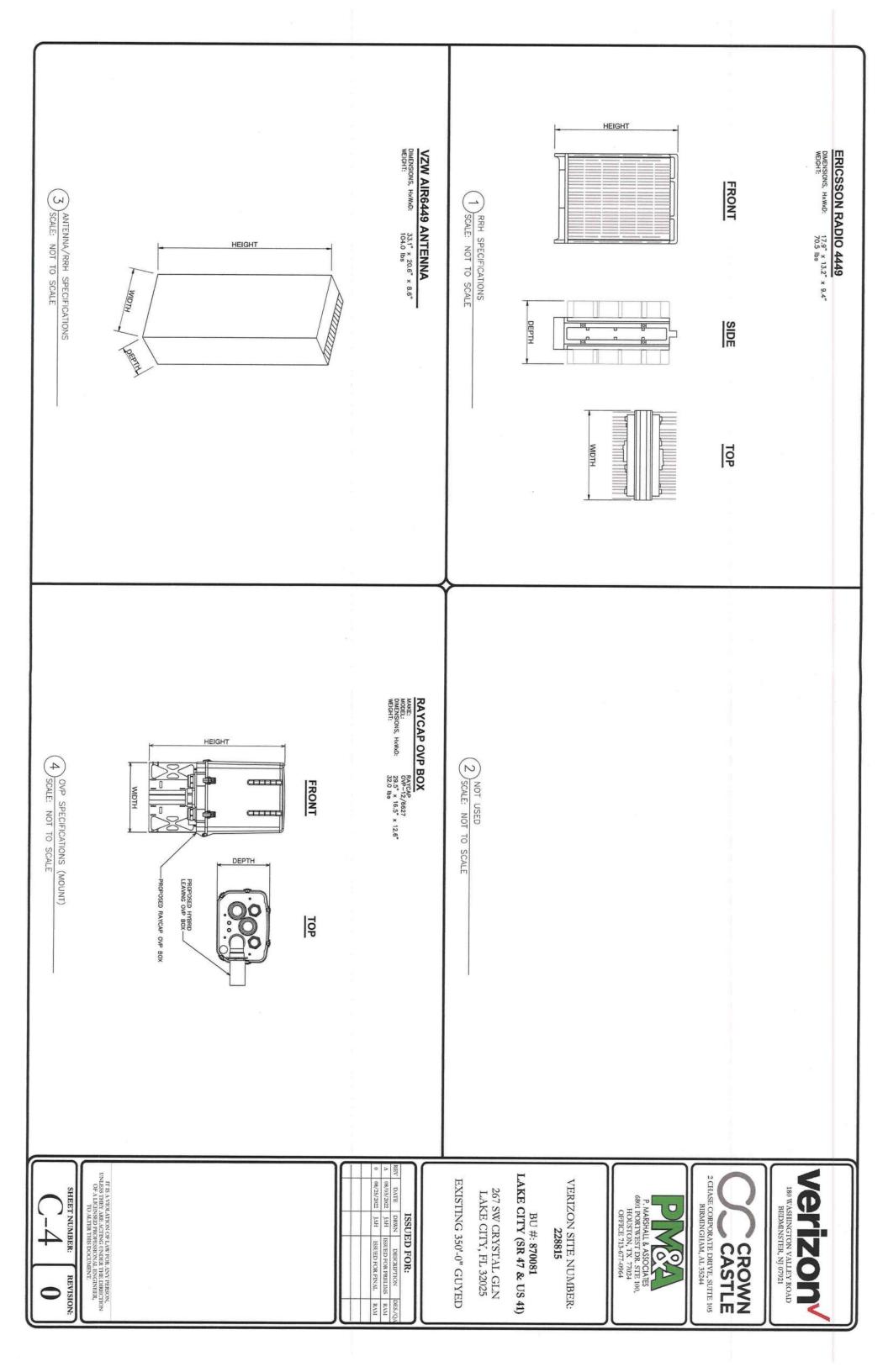
VERIZON SITE NUMBER: 228815

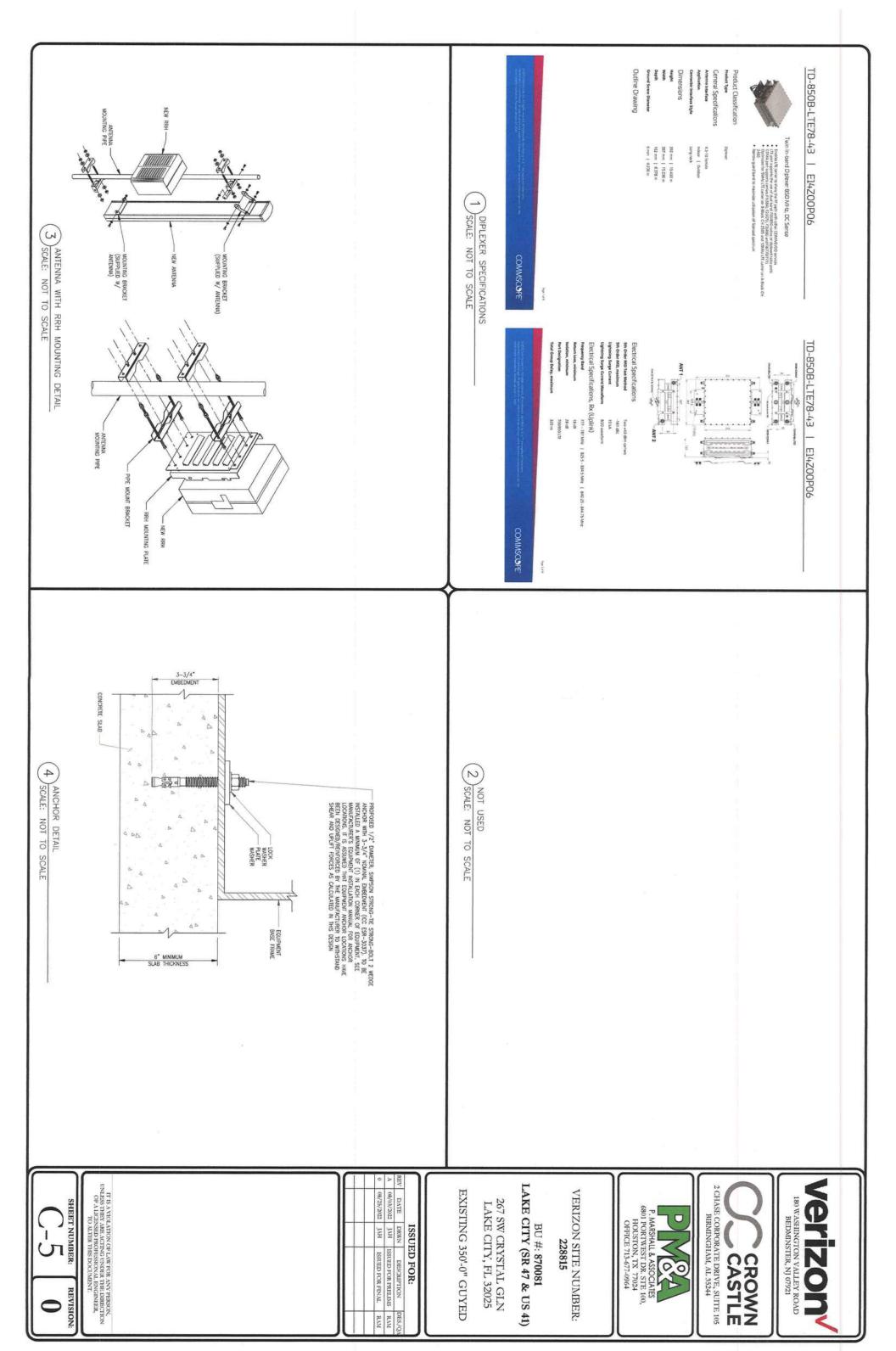
BU #: 870081 LAKE CITY (SR 47 & US 41)

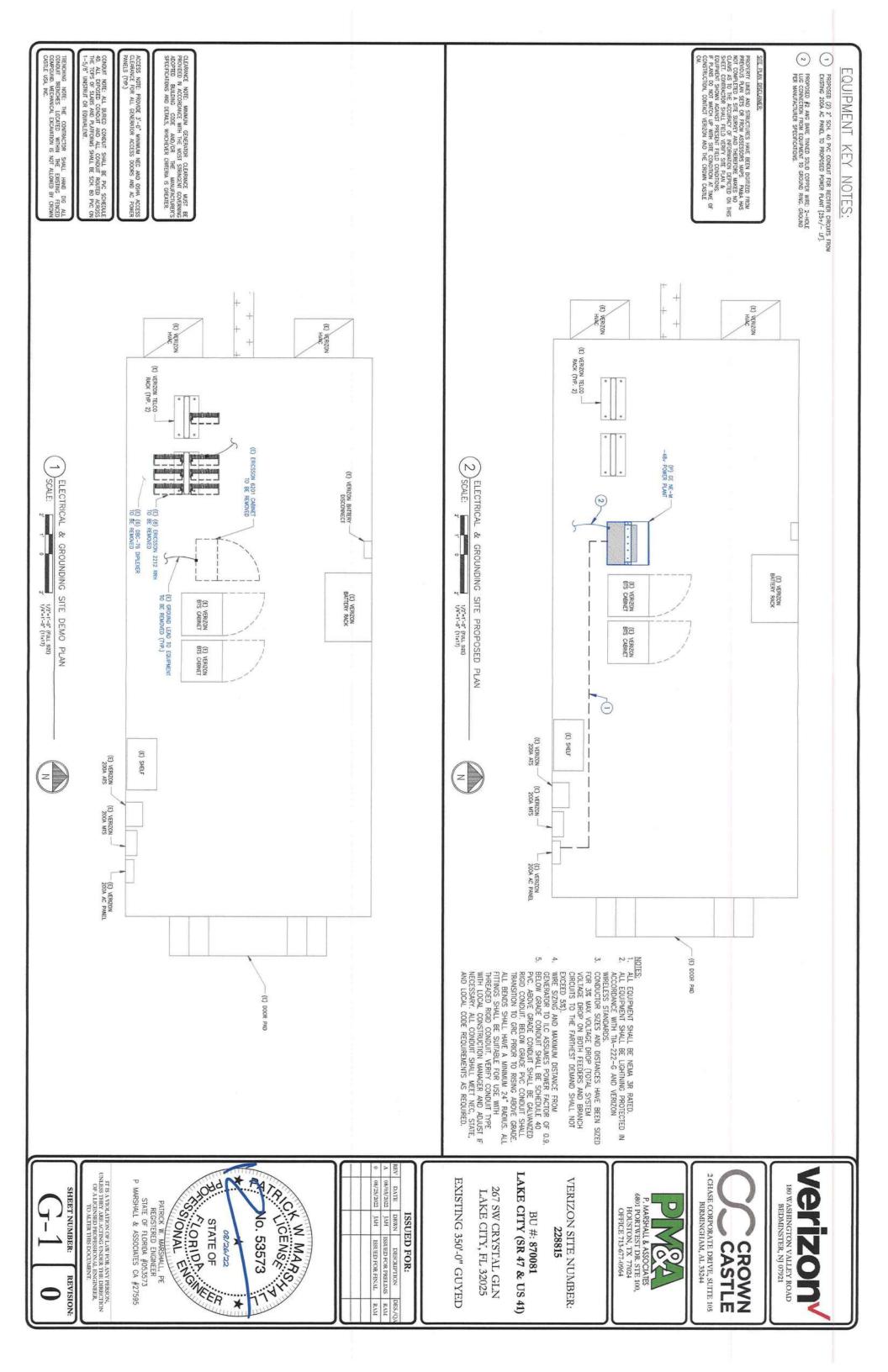
267 SW CRYSTAL GLN LAKE CITY, FL 32025

EXISTING 350'-0" GUYED

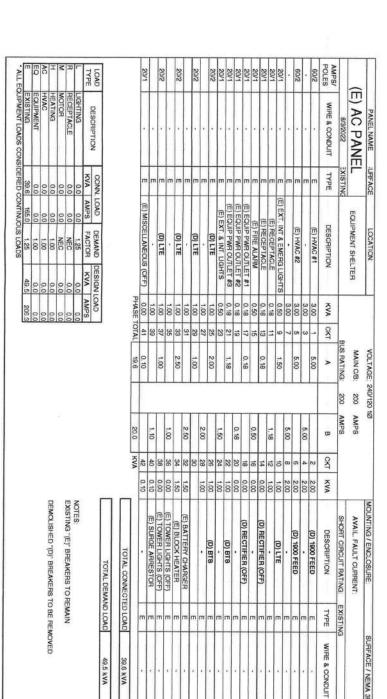
				4
TENH	ISSUED FOR FINAL	HYF	08/25/2022 JAH	_
PRELIMS RAM	ISSUED FOR PRELIMS	JAH	08/03/2022 JAH	
TION DES/QA	DESCRIPTION	DRWN	DATE	







SCALE: NOT TO SOME LOAD ANALYSIS DEMO PLAN



(E) VERIZON POWER CONDUIT (TYP.)

SERVICE DISCONNECT/ CIRCUIT BREAKER

GROUND TO GROUND RING

7

UTILITY POWER SOURCE

 $(2)_{\text{SCALE}}$

ELECTRICAL ONE NOT TO SCALE

LINE

80 LOAD

ANAYLYSIS

PROPOSED

PLAN

K

UTILITY METER 120/240 VAC

(E) VERIZON 200A AC PANEL

200A

(E) VERIZON POWER -CONDUIT (TYP.) (E) VERZON 200A AC PANEL (E) VERIZON 200A ATS 200A 6-#6 AWG, 1-#6 AWG EG, 2" CONDUIT (FOR 3 RECTIFIER CIRCUITS DE-RATED 70%) 6-#6 AWG, 1-#6 AWG EG, 2" CONDUIT (FOR 3 RECTIFIER CIRCUITS DE-RATED 70%) POWER

20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	AND PE UG HEAD HVA	20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	E D NOIS	HECO E	m D		m 0																				20/1	20/1	20/1	20/1		60/2		60/2	POLES WIRE & CONDUIT	8/3/2022	(E) AC PANEL	PANEL NAME
	24.8	0.0	0.0	0.0	0.0	0.0		1	_					E									т	E	В	Е	m	3	п	П	Е	п	Е	Е	JIT TYPE	EXISTING	NEL	UHFACE
73.3	103.5 1.00	0.0	0.0 1.00	0.0	0.0	0.0	000	"	CONN. LOAD DEMAND					(E) MISCELLANEOUS (OFF)									(E) EXT. & INT. LIGHTS	(E) EQUIP PWR OUTLET #3	(E) EQUIP PWR OUTLET #2	(E) EQUIP PWR OUTLET #1	(E) FIRE ALAR	(E) RECEPTACLE	(E) RECEPTACLE	(E) EXT. INT & EMERG LIGHTS		(E) HVAC #2		(E) HVAC #1	DESCRIPTION	in in	EQUIPMENT SHELTER	LOCATION
22.0	24.8	0.0	0.0	0.0	0.0	0.0	4	KVA A	DESIGN LOAD				7										200		-	Н	-										LTER	
91.7	103.5	0.0	0.0	0.0	0.0	0.0	3	AMPS	ð				PHASE ICIAL	0.00								Н	-	-	0.18	0.18	0.50	0.18	0.18	0.50	3.00	3.00	3.00	3.00	KVA			
													AL	41	39	37	35	8	31	29	27	25	23	21	19	17	15	13	=	9	7	5	ω	-+	CKT	BUS		
													21.1	0.10				1.50						2.25		2.25		2.25		2.57		5.07		5.07	>	BUS RATING:	MAIN C/B:	VOLTAGE: 240/120 10
																																				200	200	240/120
													21.4		0.10				1.50				2.57		2.25		2.57		2.25		5.07		5.07		œ	AMPS	AMPS	Ø
													KVA	42	46	38	8	34	32	8	28	8	24	22	8	18	ŝ	14	12	10	8	6	4	N	CKI			
														0.10	0.10	0.00	0.00	1.58	1.50				2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	KVA			
			PROPOSED "(P)" BREAKERS TO BE INSTALLED		EXISTING "(E)" BREAKERS TO REMAIN	NOTES:				TOTAL DEMAND LOAD		TOTAL CONNECTED LOAD			(E) SURGE ARRESTOR	(E) TOWER LIGHTS (OFF)	(E) TOWER LIGHTS (OFF)	(E) BLOCK HEATER	(E) BATTERY CHARGER				·	(P) PDU RECTIFIER #6		(P) PDU RECTIFIER #5		(P) PDU RECTIFIER #4		(P) PDU RECTIFIER #3		(P) PDU RECTIFIER #2		(P) PDU RECTIFIER #1	DESCRIPTION	SHORT CIRCUIT RATING:	AVAIL FAULT CURRENT:	MOUNTING / ENCLOSURE:
			D BE INSTA		REMAIN					AND LOAD		TED LOAD		m	m	m	m	m	п	m			EQ	EQ	EO	EO	EQ	EO	EQ	ē	EQ	E	EQ	EQ	TYPE	EXISTING		
			LLED							46.8 KVA		42.4 KVA											*	SEE ONE LINE		SEE ONE LINE		SEE ONE LINE		SEE ONE LINE		SEE ONE LINE		SEE ONE LINE	WIRE & CONDUIT	97		SURFACE / NEMA 3R
									-	195 A	100	177 A		,	30/2	30/1	30/1	20/1	15/1					30/2	,	30/2		30/2		30/2	,	30/2		30/2	AMPS/ POLES			



PROPERTY UNES AND STRUCTURES HAVE BEEN DIOTZED FROM PRODUCTS PLAN AFTE SON AGESTICS MAPS. PULACA HAS NOT COMPLETED A SITE SUPPLY AND THERETORE MAPES NO CLAMS SA TO THE ACCURACY OF REFORMATION DEPOCIED ON THIS SHEEL, CONTRACTORS SHALL TELLO PERFORMED LAWARD FOR SHALL THE PLAN & EQUIPMENT SHOWN AGAINST PRESENT FIELD CONDITION AT TIME OF CONSTRUCTION, CONTACT UP WITH SITE CONDITION AT TIME OF CONSTRUCTION, CONTACT VERIZON AND THE CROWN CASTLE

TO UTILITY POWER SOURCE

GE 75A (NE075AC48xxxx or sim)

RECTIFIER

INPUT FLA CURRENT AT 240 VAC 2 RECT / BRANCH CIRCUIT (EACH RECTIFIER) (PREFERRED APPROACH)
22 AMPS (MAX) 60A/2P #6 THHN

1 RECT / BRANCH CIRCUIT (ALT APPROACH)

30A/2P #10 THHN

COMMON VZW DC PLANT RECTIFIER REQUIREMENTS

Z.

UTILITY METER 120/240 VAC

DISCONNECT/ CIRCUIT BREAKER

GROUND TO GROUND RING

2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244 CASTLE

PICT VI MARS IT IS A VIOLATION OF LAW FOR ANY PERSON,
LESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT. PATRICK W. MARSHALL, PE REGISTERED ENGINEER STATE OF FLORIDA #053573 MARSHALL & ASSOCIATES CA #27595 TSSIONAL ENGINE SHEET NUMBER: J-2 No. 53573 08/26/22 REVISION: *

HVÍ SSUED FOR: DESCRIPTION ISSUED FOR PRELIMS ISSUED FOR FINAL

RAM

LAKE CITY (SR 47 & US 41)

BU #: 870081

VERIZON SITE NUMBER:

228815

EXISTING 350'-0" GUYED

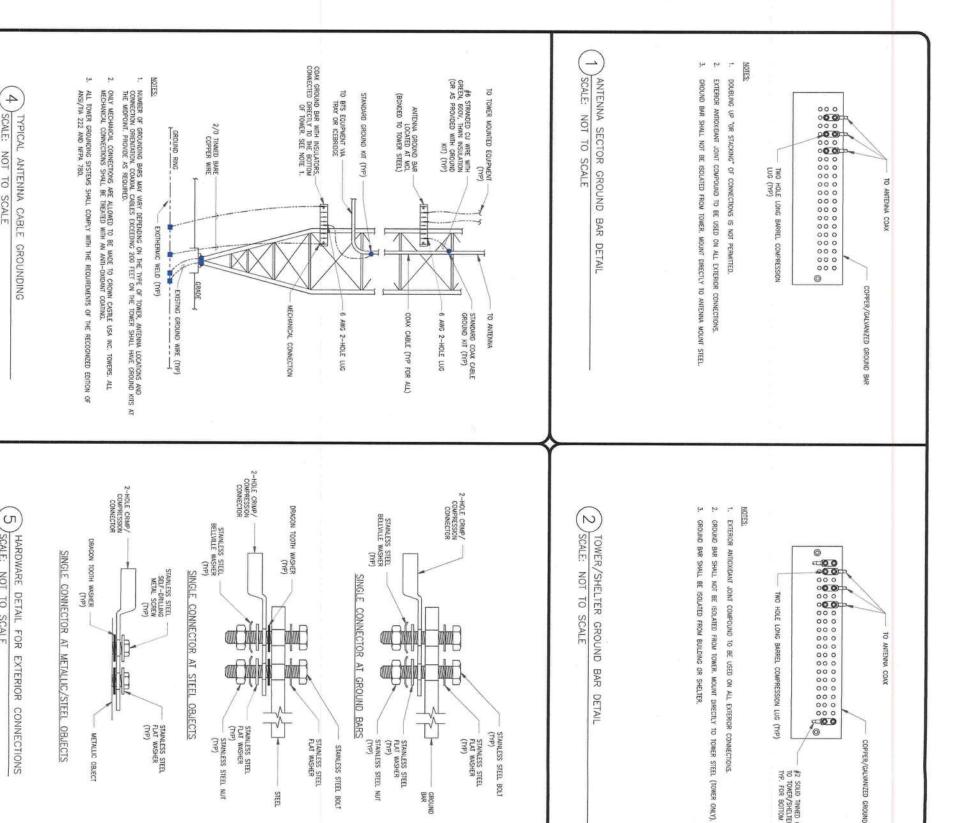
267 SW CRYSTAL GLN LAKE CITY, FL 32025

20/2

60/2

30/2 30/2

40/2



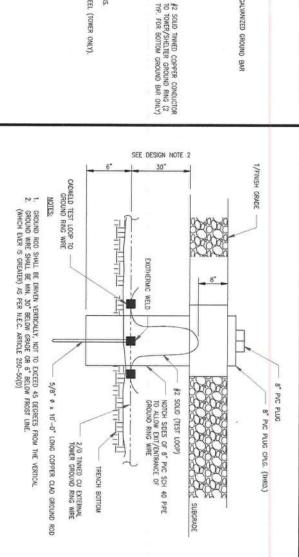
STAINLESS STEEL BOLT (TYP)

FLAT WASHER
(TYP)

STAINLESS STEEL FLAT WASHER (TYP)

BAR

STAINLESS STEEL NUT (TYP)



2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244

CASTLE

80 WASHINGTON VALLEY ROAD

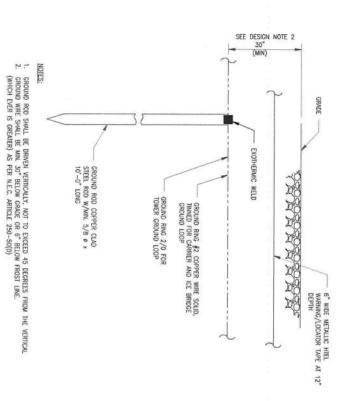
BEDMINSTER, NJ 07921

TWO HOLE LONG BARREL COMPRESSION LUG (TYP)

TO ANTENNA COAX

COPPER/GALVANIZED GROUND BAR

S SCALE: NOT TO SCALE INSPECTION WELL DETAIL



STAINLESS STEEL FLAT WASHER (TYP)

STAINLESS STEEL FLAT WASHER

STEEL

STAINLESS STEEL BOLT

STAINLESS STEEL NUT

STAINLESS STEEL FLAT WASHER (TYP)

METALLIC OBJECT

SCALE: NOT TO SCALE GROUND ROD DETAIL

0

SCALE: NOT TO SCALE

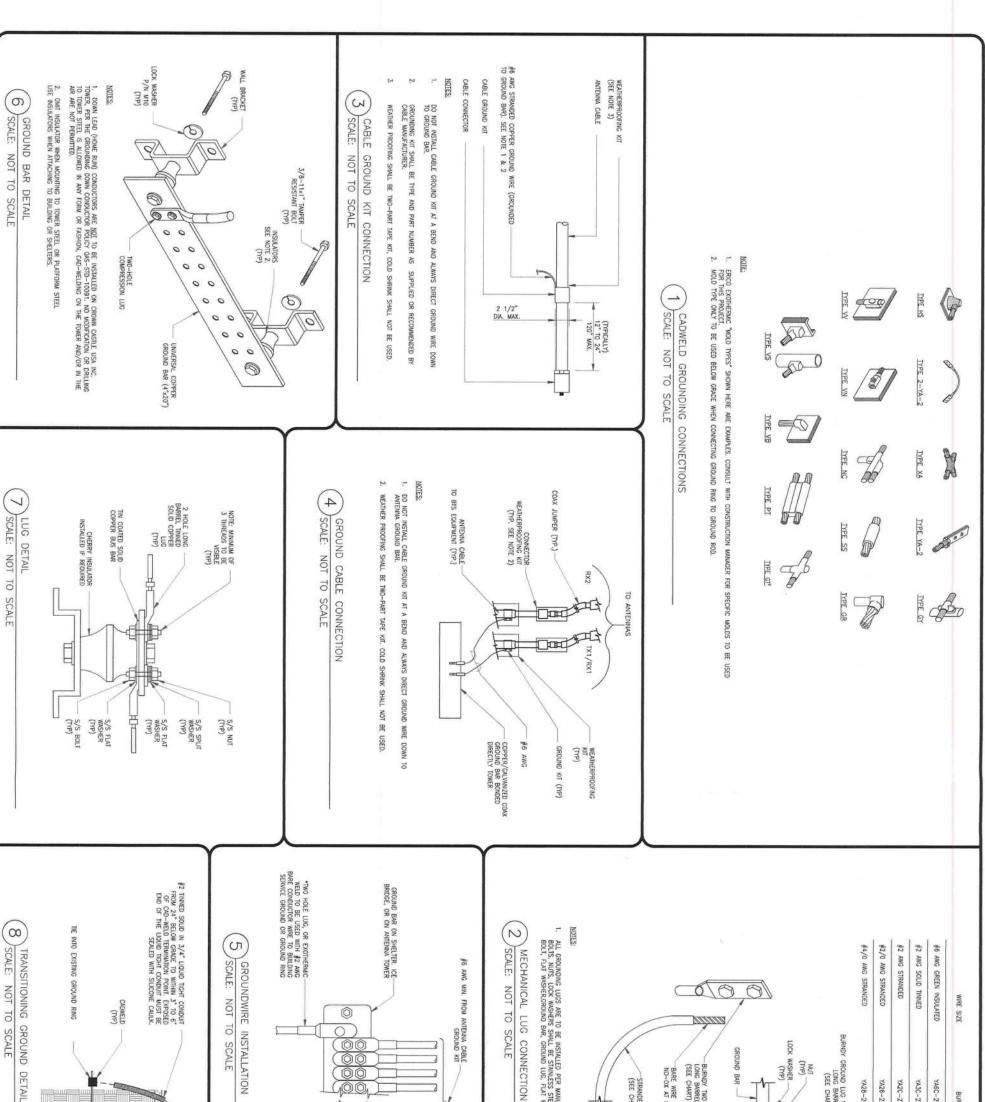
SCALE: NOT TO SCALE

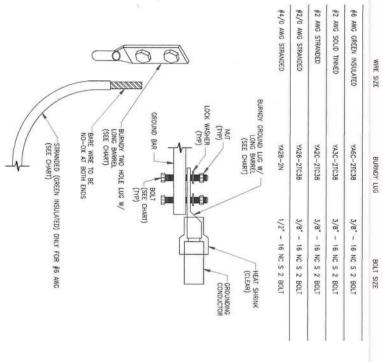
LAKE CITY (SR 47 & US 41) EXISTING 350'-0" GUYED VERIZON SITE NUMBER: 267 SW CRYSTAL GLN LAKE CITY, FL 32025 BU #: 870081 ISSUED FOR: 228815

JAH ISSUED FOR FINAL

PATRICK W. MARSHALL, PE REGISTERED ENGINEER STATE OF FLORIDA #053573 MARSHALL & ASSOCIATES CA #27595 TOSIONAL ENGINE TOENSE ST No. 53573 08/26/22 *

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UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THE DOCUMENT. REVISION:





2 CHASE CORPORATE DRIVE, SUITE 105 BIRMINGHAM, AL 35244

CASTLE

verizo

1. ALL GROWDING LUGS ARE TO BE INSTALLED PER MANUFACTURERS'S SPECIFICATIONS, ALL HARDWARE BOLTS, NUTS, COCK WAS-BES SHALL BE STRIALESS STEEL ALL HARDWARE ARE TO BE AS FOLLOWS:
BOLT, FLAT WASHER,GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

LAKE CITY (SR 47 & US 41)

BU #: 870081

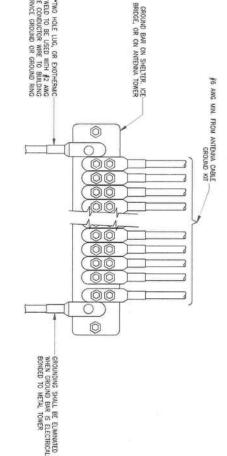
267 SW CRYSTAL GLN LAKE CITY, FL 32025

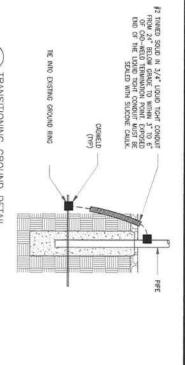
VERIZON SITE NUMBER: 228815

OFFICE 713-677-0964

EXISTING 350'-0" GUYED

MECHANICAL LUG CONNECTION





+				
RAM	ISSUED FOR FINAL	JAH	08/25/2022	0
RAN	ISSUED FOR PRELIMS	JAH	08/03/2022	>
DES	DESCRIPTION	DRWN	DATE	REV

N. MARSHALL & ASSOCIATES CA #27595

HEET NUMBER: REVISION: