



SEMINOLE COUNTY
 PLANNING & DEVELOPMENT DIVISION
 1101 EAST FIRST STREET, ROOM 2028
 SANFORD, FLORIDA 32771
 (407) 665-7371 EPLANDESK@SEMINOLECOUNTYFL.GOV

PROJ. #: 24-80000091

Received: 6/28/24

Paid: 7/2/24

PRE-APPLICATION

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

APPLICATION FEE

PRE-APPLICATION \$50.00

PROJECT

PROJECT NAME: FOREST LAKE FL 2 | 16493925

PARCEL ID #(S): 08-21-29-300-0110-0000

TOTAL ACREAGE: 196.43

BCC DISTRICT: 3: Zembower

ZONING: PD

FUTURE LAND USE: ~~COMMUNICATION TOWER~~ PD

APPLICANT

NAME: SIMONE JOHNSON

COMPANY: AMERICAN TOWER CORPORATION

ADDRESS: 10 PRESIDENTIAL WAY

CITY: WOBURN

STATE: MI

ZIP: 01801

PHONE: (407) 724-2626

EMAIL: SJOHNSON@TEPGROUP.NET

CONSULTANT

NAME:

COMPANY:

ADDRESS:

CITY:

STATE:

ZIP:

PHONE:

EMAIL:

PROPOSED DEVELOPMENT (CHECK ALL THAT APPLY)

SUBDIVISION LAND USE AMENDMENT REZONE SITE PLAN SPECIAL EXCEPTION

Description of proposed development: 15' EXTENSION ON A TOWER

STAFF USE ONLY

COMMENTS DUE: 7/12

COM DOC DUE: 7/18

DRC MEETING: 7/24

PROPERTY APPRAISER SHEET PRIOR REVIEWS:

ZONING: PD

FLU: PD

LOCATION:

on the south side of Sand Lake Rd,
east of Hunt Club Blvd

W/S: Sunshine Water

BCC: 3: Zembower

Agenda: 7/19



CHARLOTTE OFFICE
10700 SIKES PLACE, SUITE 360
CHARLOTTE, NC 28277
980.202.5553
WWW.TEPGROUP.NET

Date:06/26/2024

Detailed Narrative

Project Summary: Extending Communication Tower by 15 Feet

Overview: The project involves extending an existing communication tower by 15 feet to enhance signal coverage and accommodate additional equipment. This expansion aims to meet growing communication demands and improve service reliability.

Objectives:

1. **Enhanced Coverage:** Increase tower height to elevate antennas for improved signal propagation.
2. **Capacity Expansion:** Provide space for new equipment to support advanced communication technologies.
3. **Structural Integrity:** Ensure the tower's structural stability and safety standards are met throughout the extension process.

Safety and Environmental Considerations: Adhere to strict safety protocols and environmental regulations to minimize risks and ecological impact during construction and operation.

Conclusion: The project aims to deliver a robust solution that enhances communication capabilities while ensuring safety, quality, and compliance with regulatory standards.

Thank you,

Simone Johnson | Permit Specialist
(407) 724-2626



AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION FOR PERMITTING

ATC SITE#/NAME/PROJECT: 302623 / Forest Lake FL 2 / 14752529

SITE ADDRESS: 500 Education Loop, Apopka, FL 32703-6176

APN: 08-21-29-300-0110-0000

LICENSEE: Verizon Wireless d/b/a Verizon Wireless Personal Communications LP

SITE ACQUISITION VENDOR: TEP OPCO LLC

I, Margaret Robinson, Vice President, UST Legal for American Tower*, owner of the tower facility located at the address identified above (the "Tower Facility"), do hereby authorize Verizon Wireless d/b/a Verizon Wireless Personal Communications LP, TEP OPCO LLC, their successors and assigns, and/or their agent, (collectively, the "Licensee") to act as American Tower's non-exclusive agent for the sole purpose of filing and consummating any land-use, building, or electrical permit application(s) as may be required by the applicable permitting authorities for Licensee's telecommunications' installation on the Tower Facility.

I understand that these applications may be approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee's installation and any such conditions of approval or modifications will be Licensee's sole responsibility.

Signature: _____

Margaret Robinson, Vice President, UST Legal
US Tower Division

NOTARY BLOCK

COMMONWEALTH OF MASSACHUSETTS

County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Vice President, UST Legal for American Tower* (Tower Facility owner and/or operator), personally known to me (or proved to me based on satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.

WITNESS my hand and official seal, this 29th day of May 2024.

NOTARY SEAL

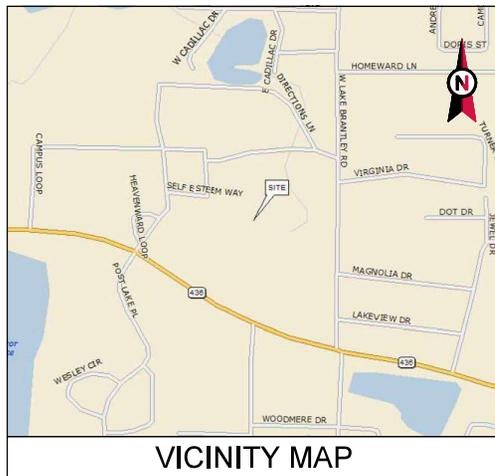


GERARD T. HEFFRON
Notary Public
Commonwealth of Massachusetts
My Commission Expires
August 9, 2024

Notary Public

My Commission Expires: August 9th, 2024

* American Tower is defined as American Tower Corporation and any of its affiliates or subsidiaries.



VICINITY MAP



AMERICAN TOWER®
 ATC SITE NAME: FOREST LAKE FL 2
 ATC SITE NUMBER: 302623
 VERIZON WIRELESS SITE NAME: FL ATC
 FOREST LAKE
 VERIZON WIRELESS SITE NUMBER: 171540
 VERIZON WIRELESS FUZE PID: 16493925
 VERIZON WIRELESS MDG LOCATION CODE:
 5000301346
 SITE ADDRESS: 631 SELF ESTEEM WAY
 ALTAMONTE SPRINGS, FL 32714-2736



LOCATION MAP

**VERIZON WIRELESS
 ANTENNA AMENDMENT DRAWINGS**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION	SHEET INDEX				
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 1. 2023 FLORIDA BUILDING CODE, 8TH EDITION 2. ANS/ITIA-2224-H 3. 8TH EDITION FLORIDA FIRE PREVENTION CODE 4. 2020 NATIONAL ELECTRICAL CODE (NFPA 70) 5. CITY/COUNTY ORDINANCES DESIGN CRITERIA FOR STRUCTURAL ANALYSIS BY ATC DATED APRIL 16, 2024: ULTIMATE WIND SPEED: 135 MPH (3-SECOND GUST) SERVICE WIND SPEED: 60 MPH RISK CATEGORY: II EXPOSURE CATEGORY: B TOPOGRAPHIC CATEGORY: 1	<u>SITE ADDRESS:</u> 631 SELF ESTEEM WAY ALTAMONTE SPRINGS, FL 32714-2736 COUNTY: SEMINOLE <u>REGISTERED COORDINATES:</u> LATITUDE: 28° 40' 10.55 N NAD 83 LONGITUDE: 81° 26' 0.44 W GROUND ELEVATION: 60' AMSL <u>GEOGRAPHIC COORDINATES:</u> LATITUDE: 28.669639 LONGITUDE: -81.4334 <u>ZONING INFORMATION:</u> JURISDICTION: SEMINOLE COUNTY PARCEL ID: 08212930001100000	VERIZON WIRELESS IS PROPOSING THE FOLLOWING WORK TO BE COMPLETED ON AN EXISTING 135' MONOPOLE W/ 15' EXTENSION TOWER: <u>TOWER WORK:</u> REMOVE (1) CONCEALMENT CANISTER(S), (1) MAST(S), (3) ANTENNA(S), (3) RRU(S), (3) DIPLEXER(S), AND (1) OVP(S). INSTALL 15' TOWER EXTENSION(S), (1) PLATFORM MOUNT(S), (5) ANTENNA(S), (3) RRU(S), (1) OVP(S), AND (1) 6x12 HYBRIFLEX (1-1/4" HYBRIFLEX) CABLE(S). EXISTING (1) 6x12 HYBRIFLEX (1-1/4" HYBRIFLEX) CABLE(S), AND (12) 1-5/8" COAX CABLE(S) TO REMAIN. <u>GROUND WORK:</u> REMOVE (9) RRU(S) AND (3) COMBINER(S).	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
	<u>PROJECT TEAM</u> <u>TOWER OWNER:</u> AMERICAN TOWER <u>APPLICANT:</u> VERIZON WIRELESS <u>ENGINEER:</u> TOWER ENGINEERING PROFESSIONALS <u>PROPERTY OWNER:</u> FLA CONFERENCE ASSN OF SEVENTH 351 S STATE RD 434 ALTAMONTE SPG, FL 32714	NOTE: THIS CONSTRUCTION DRAWING SET IS NOT INTENDED TO ADDRESS ANY ELECTRICAL UPGRADES NEEDED. ANY ELECTRICAL UPGRADES WILL BE SHOWN IN A SEPARATE CONSTRUCTION DRAWING SET.	<u>PROJECT NOTES</u> 1. THE FACILITY IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. 3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. 4. NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED. 5. HANDICAP ACCESS IS NOT REQUIRED. 6. THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1455(A) AS A MODIFICATION OF AN EXISTING WIRELESS TOWER THAT INVOLVES THE COLLOCATION, REMOVAL, AND/OR REPLACEMENT OF TRANSMISSION EQUIPMENT THAT IS NOT A SUBSTANTIAL CHANGE UNDER CFR § 1.81000 (B)(7).	G-001	TITLE SHEET	0	06/06/24
<u>UTILITY COMPANIES</u> POWER COMPANY: DUKE ENERGY PHONE: (877) 372-8477 TELEPHONE COMPANY: CENTURYLINK PHONE: (800) 244-1111	<u>PROJECT LOCATION DIRECTIONS</u> FROM I-4, EXIT 48, TAKE SR. 436 WEST PAST SR.434 TO FOREST LAKE ACADEMY. TURN RIGHT AND GO THROUGH GATES TO FIRST RIGHT. TRAVEL ALONG TO JUST PAST FIRST MAINTENANCE BUILDING AND TURN RIGHT BETWEEN BUILDINGS, TAKE DRIVE TO SITE.	<u>CONTRACTOR PMI REQUIREMENTS</u> PMI ACCESSED AT: HTTPS://PMI.VZWSMART.COM SMART TOOL VENDOR PROJECT NUMBER: 10224432 VZW LOCATION CODE (PSLC): 171540 ***PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT MOUNT MODIFICATION REQUIRED: YES (HARDWARE UPGRADES) VZW APPROVED SMART KIT VENDORS: REFER TO MOUNT MODIFICATION DRAWINGS PAGES FOR VZW SMART KIT APPROVED VENDORS	G-002	GENERAL NOTES	0	06/06/24	KAG
<u>DESIGN CRITERIA FOR STRUCTURAL ANALYSIS BY ATC DATED APRIL 16, 2024:</u> ULTIMATE WIND SPEED: 135 MPH (3-SECOND GUST) SERVICE WIND SPEED: 60 MPH RISK CATEGORY: II EXPOSURE CATEGORY: B TOPOGRAPHIC CATEGORY: 1	<u>PROJECT LOCATION DIRECTIONS</u> FROM I-4, EXIT 48, TAKE SR. 436 WEST PAST SR.434 TO FOREST LAKE ACADEMY. TURN RIGHT AND GO THROUGH GATES TO FIRST RIGHT. TRAVEL ALONG TO JUST PAST FIRST MAINTENANCE BUILDING AND TURN RIGHT BETWEEN BUILDINGS, TAKE DRIVE TO SITE.	R-601 - R-603 SUPPLEMENTAL TOWER EXTENSION DRAWINGS	G-001	OVERALL SITE PLAN	0	06/06/24	KAG
1. 2023 FLORIDA BUILDING CODE, 8TH EDITION 2. ANS/ITIA-2224-H 3. 8TH EDITION FLORIDA FIRE PREVENTION CODE 4. 2020 NATIONAL ELECTRICAL CODE (NFPA 70) 5. CITY/COUNTY ORDINANCES DESIGN CRITERIA FOR STRUCTURAL ANALYSIS BY ATC DATED APRIL 16, 2024: ULTIMATE WIND SPEED: 135 MPH (3-SECOND GUST) SERVICE WIND SPEED: 60 MPH RISK CATEGORY: II EXPOSURE CATEGORY: B TOPOGRAPHIC CATEGORY: 1	<u>PROJECT LOCATION DIRECTIONS</u> FROM I-4, EXIT 48, TAKE SR. 436 WEST PAST SR.434 TO FOREST LAKE ACADEMY. TURN RIGHT AND GO THROUGH GATES TO FIRST RIGHT. TRAVEL ALONG TO JUST PAST FIRST MAINTENANCE BUILDING AND TURN RIGHT BETWEEN BUILDINGS, TAKE DRIVE TO SITE.	R-601 - R-603 SUPPLEMENTAL TOWER EXTENSION DRAWINGS	C-101	DETAILED SITE PLAN	0	06/06/24	KAG
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328 TRYON ROAD
 RALEIGH, NC 27603-3530
 OFFICE: (919) 661-6351
 www.atgroup.net

FL CO# 31011
 ATC SITE NUMBER:
 302623
 ATC SITE NAME:
 FOREST LAKE FL 2
 VERIZON WIRELESS SITE NAME:
 FL ATC FOREST LAKE
 SITE ADDRESS:
 631 SELF ESTEEM WAY
 ALTAMONTE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	SAS	05/30/24
△	100% CONSTRUCTION	KAG	06/06/24
△			
△			

DIGITAL/ELECTRONIC SEAL:
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSHUA H. CARDEN, P.E. ON THE DATE ADJACENT TO THE SEAL.

 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JOSHUA H. CARDEN
 LICENSE
 No 83511
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 06/06/24

verizon

DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0



GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON WIRELESS THE COMPANY WILL PROVIDE AND THE CONTRACTOR WILL INSTALL.
 - A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD) CO-LOCATE ONLY.
 - B. AC TELCO INTERFACE BOX (PIC)
 - C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD) CO-LOCATE ONLY, GO TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION.
 - D. TOWERS, MONOPOLES
 - E. TOWER LIGHTING
 - F. GENERATORS & LIQUID PROPANE TANK
 - G. ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
 - H. ANTENNAS (INSTALLED BY OTHERS)
 - I. TRANSMISSION LINE
 - J. TRANSMISSION LINE JUMPEES
 - K. TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
 - L. TRANSMISSION LINE GROUND KITS
 - M. HANGERS
 - N. HOISTING GRIPS
 - O. BTS EQUIPMENT
2. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUBFRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER/CLAD OR HT CHEMICAL GROUND RODS, BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CASSONS, PADS AND/OR AUGER MOUNTS, MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF VERIZON WIRELESS TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF REQUIRED PERMITS.
3. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ASHRAE 90.1-2012, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
6. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN THE FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
7. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
8. DETAILS SHOWN ARE TYPICAL, SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED, THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
11. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
12. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISMATCHING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON WIRELESS REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON WIRELESS REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON WIRELESS REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
14. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER.
15. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
16. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE VERIZON WIRELESS REP AND ENGINEER OF RECORD IMMEDIATELY.
17. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
18. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
19. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
20. CONTRACTOR SHALL FURNISH VERIZON WIRELESS AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON WIRELESS REP TO DETERMINE WHAT IF ANY ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL

INSTALL ALL ITEMS PROVIDED.

22. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON WIRELESS REP TO DETERMINE WHAT IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR, ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON WIRELESS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON WIRELESS SPECIFICATIONS AND AS SHOWN IN THESE PLANS.
26. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
27. CONTRACTOR SHALL NOTIFY VERIZON WIRELESS REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
28. WHEN THE PROJECT SCOPE REQUIRES THE USE OF THE SAFETY CLIMB, THE GENERAL CONTRACTOR SHALL ENSURE THE SAFETY CLIMB IS FREE OF OBSTRUCTIONS, NOT RUBBING OR OR TRAPPED BY ANY INSTALLED CUSTOMER EQUIPMENT. IT VISUALLY TALL, MEETS MANUFACTURER INSTALLATION SPECIFICATIONS, AND IS FIRMLY SECURED AT ALL CABLE GUIDE LOCATIONS UPON PROJECT COMPLETION.
29. COMPLETION OF PROJECT SHALL NOT OBSTRUCT, TRAP, LOOSEN, OR OTHERWISE CAUSE FAILURE TO MEET MANUFACTURER INSTALLATION REQUIREMENTS FOR THE SAFETY CLIMB.
30. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
31. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD, ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THE CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
32. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE VERIZON WIRELESS REP. ANY WORK FOUND BY THE VERIZON WIRELESS REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
33. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.
34. VERIZON WIRELESS FURNISHED EQUIPMENT SHALL BE PICKED UP AT THE VERIZON WIRELESS WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT UP.
35. VERIZON WIRELESS OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY EQUIPMENT OR MATERIALS WHICH IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON WIRELESS OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION

ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:
 - A. ANTENNA AND COAXIAL/HYBRID CABLES ARE FURNISHED BY VERIZON WIRELESS UNDER A SEPARATE CONTRACT, THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OF COORDINATION AND SITE ACCESS, ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PERSONNEL
 - B. INSTALL ANTENNAS AS INDICATED ON DRAWINGS AND VERIZON WIRELESS SPECIFICATIONS.
 - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS.
 - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.
 - E. INSTALL COAXIAL/HYBRID CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS, WEATHERPROOF ALL CONNECTIONS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL/HYBRID CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
2. ANTENNA AND COAXIAL/HYBRID CABLE GROUNDING:
 - A. ALL EXTERIOR #6 GREEN GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE

WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #21213 OR EQUAL.

- B. ALL COAXIAL/HYBRID CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL/HYBRID CABLE (NOT WITHIN BENDS)

ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



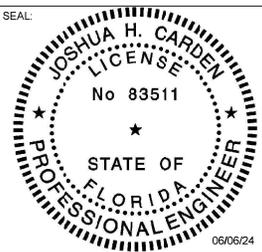
328 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.atgroup.net

FL CO#A: 31011
ATC SITE NUMBER:
302623
ATC SITE NAME:
FOREST LAKE FL 2
VERIZON WIRELESS SITE NAME:
FL ATC FOREST LAKE
SITE ADDRESS:
631 SELF ESTEEM WAY
ALTA MONTONE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	SAS	05/30/24
△	100% CONSTRUCTION	KAG	06/06/24
△			
△			

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06/06/24



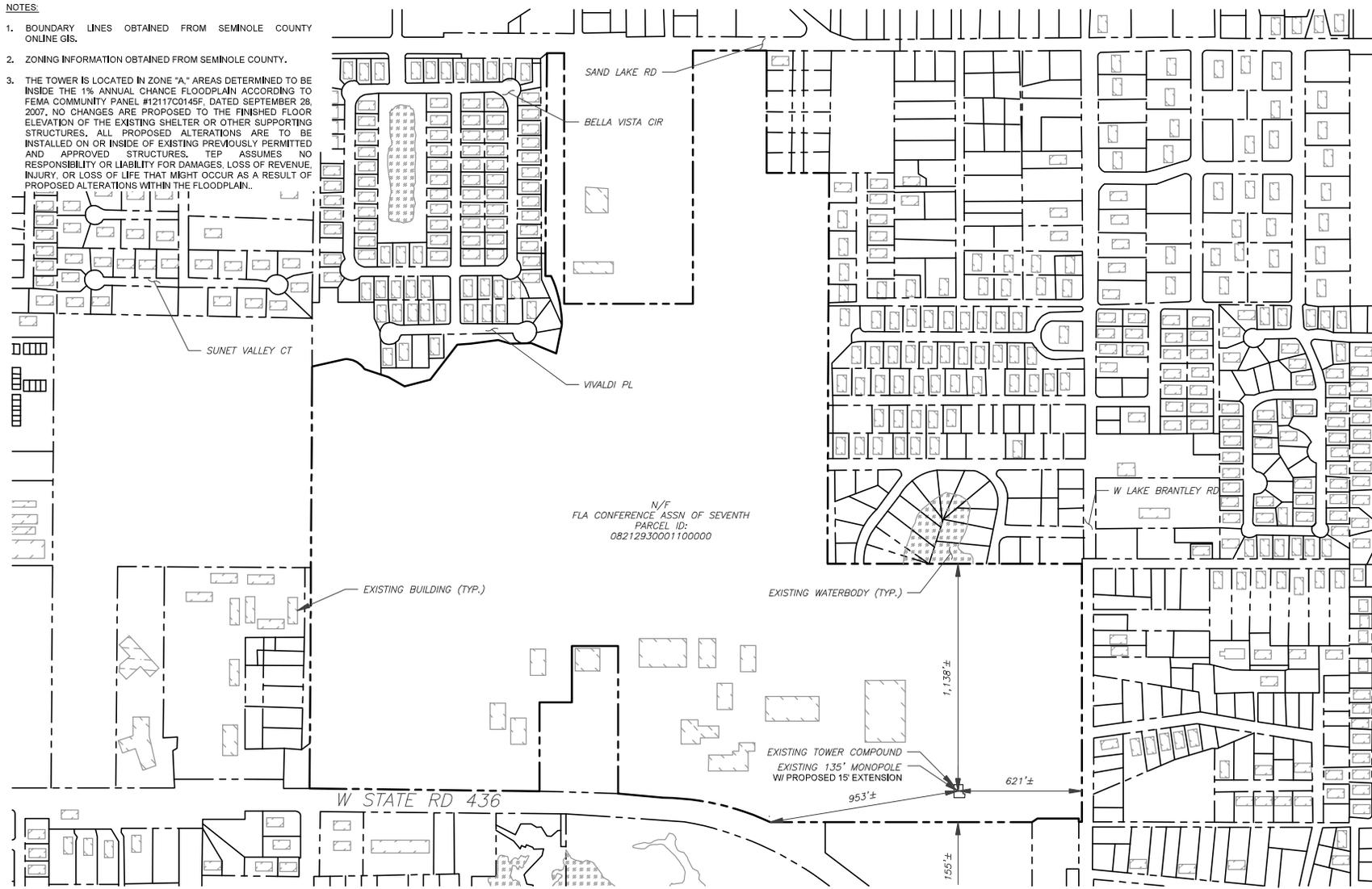
DATE DRAWN:	06/09/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

GENERAL NOTES

SHEET NUMBER: G-002	REVISION: 0
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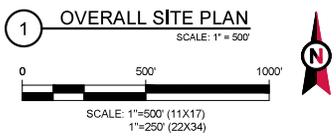
NOTES:

- BOUNDARY LINES OBTAINED FROM SEMNOLE COUNTY ONLINE GIS.
- ZONING INFORMATION OBTAINED FROM SEMNOLE COUNTY.
- THE TOWER IS LOCATED IN ZONE "A." AREAS DETERMINED TO BE INSIDE THE 1% ANNUAL CHANCE FLOODPLAIN ACCORDING TO FEMA COMMUNITY PANEL #1211700145F, DATED SEPTEMBER 28, 2007. NO CHANGES ARE PROPOSED TO THE FINISHED FLOOR ELEVATION OF THE EXISTING SHELTER OR OTHER SUPPORTING STRUCTURES. ALL PROPOSED ALTERATIONS ARE TO BE INSTALLED ON OR INSIDE OF EXISTING PREVIOUSLY PERMITTED AND APPROVED STRUCTURES. TEP ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DAMAGES, LOSS OF REVENUE, INJURY, OR LOSS OF LIFE THAT MIGHT OCCUR AS A RESULT OF PROPOSED ALTERATIONS WITHIN THE FLOODPLAIN.



LEGEND

	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING LEASE AREA



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SEAL:

verizon

DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

OVERALL SITE PLAN

SHEET NUMBER:	REVISION:
C-001	0

SITE PLAN NOTES:

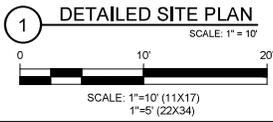
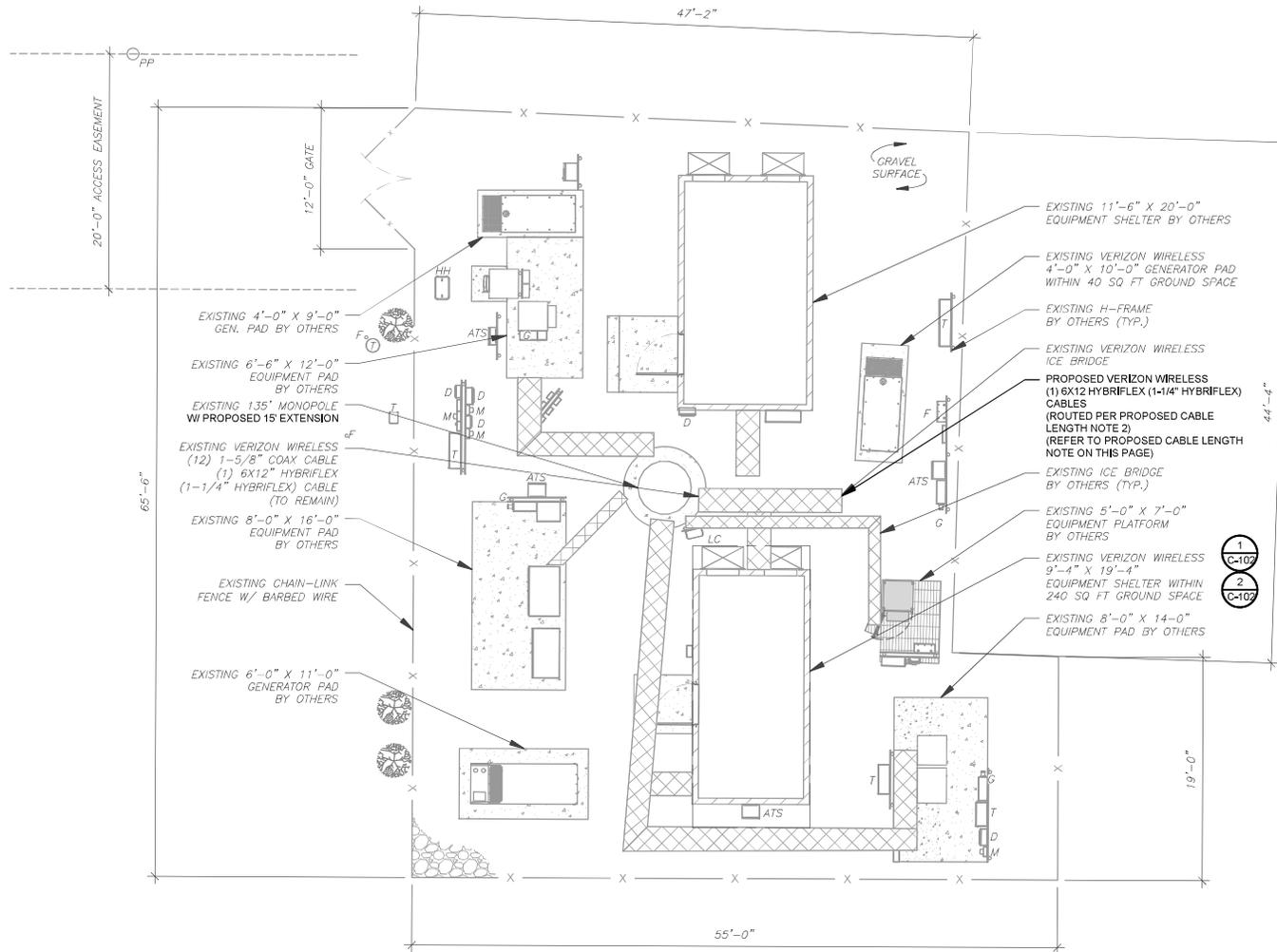
- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT. CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- THIS CONSTRUCTION DRAWING SET IS NOT INTENDED TO ADDRESS ANY ELECTRICAL UPGRADES NEEDED. ANY ELECTRICAL UPGRADES WILL BE SHOWN IN A SEPARATE CONSTRUCTION DRAWING SET.

LEGEND

⊗	GROUNDING TEST WELL
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
M	METER
PB	PULL BOX
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
—x—	CHAINLINK FENCE

PROPOSED CABLE NOTES:

- ESTIMATED LENGTH OF PROPOSED CABLE IS 200'. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES). CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE, IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING, ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.





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FL CO# 31011
ATC SITE NUMBER:
302623
ATC SITE NAME:
FOREST LAKE FL 2
VERIZON WIRELESS SITE NAME:
FL ATC FOREST LAKE
SITE ADDRESS:
631 SELF ESTEEM WAY
ALTA MONTE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
1	PRELIMINARY	SAS	05/30/24
2	100% CONSTRUCTION	KAG	06/06/24

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SEAL:

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
06/06/24



DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

DETAILED SITE PLAN
SHEET NUMBER: C-101 REVISION: 0

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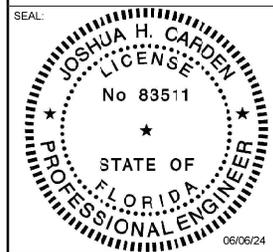
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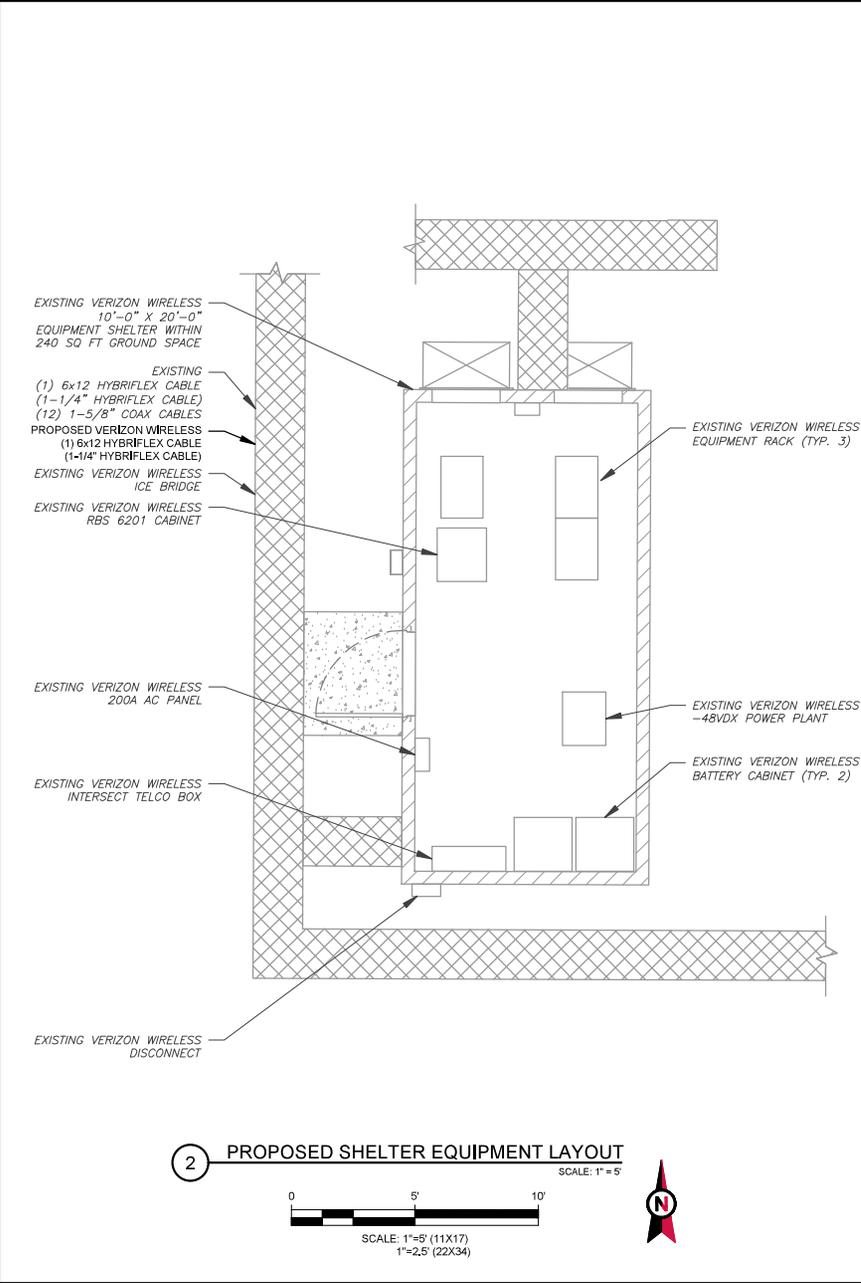
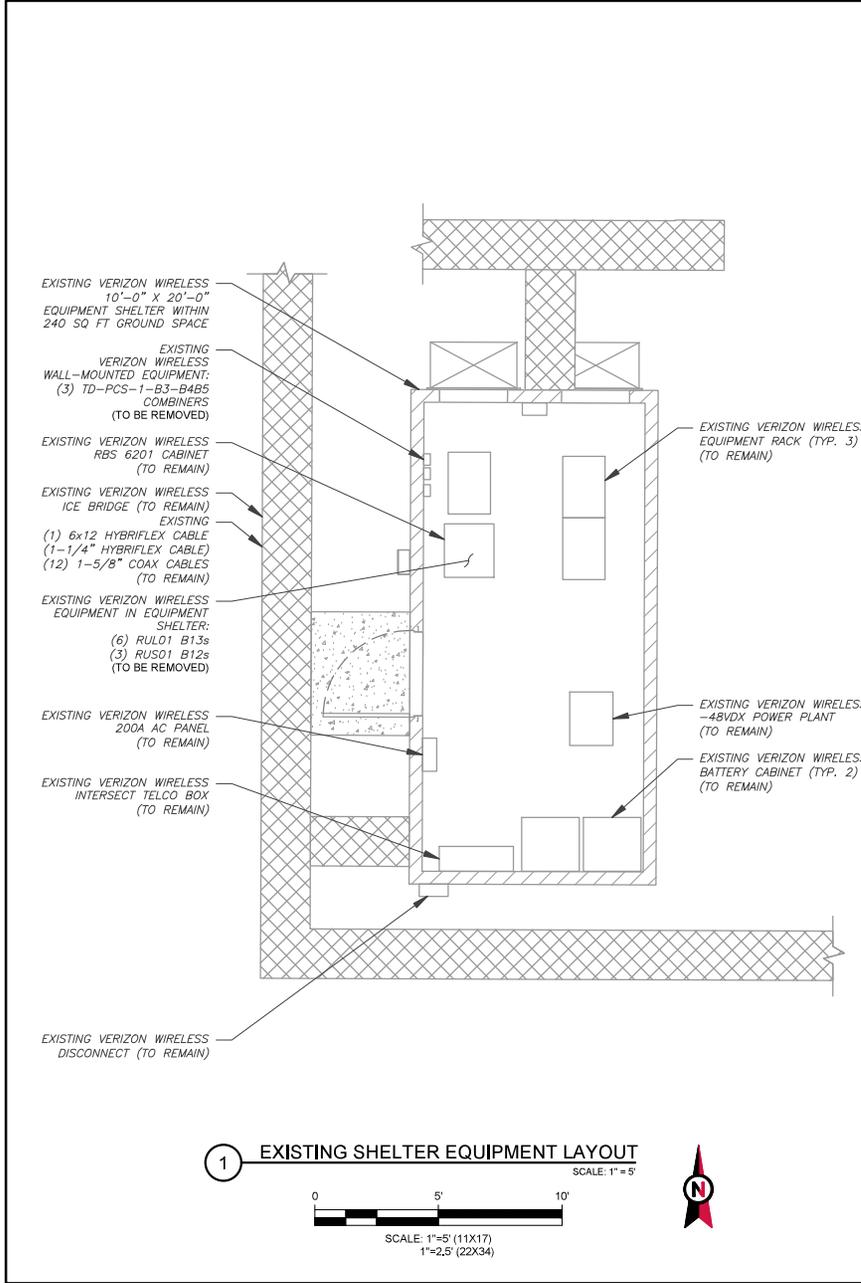
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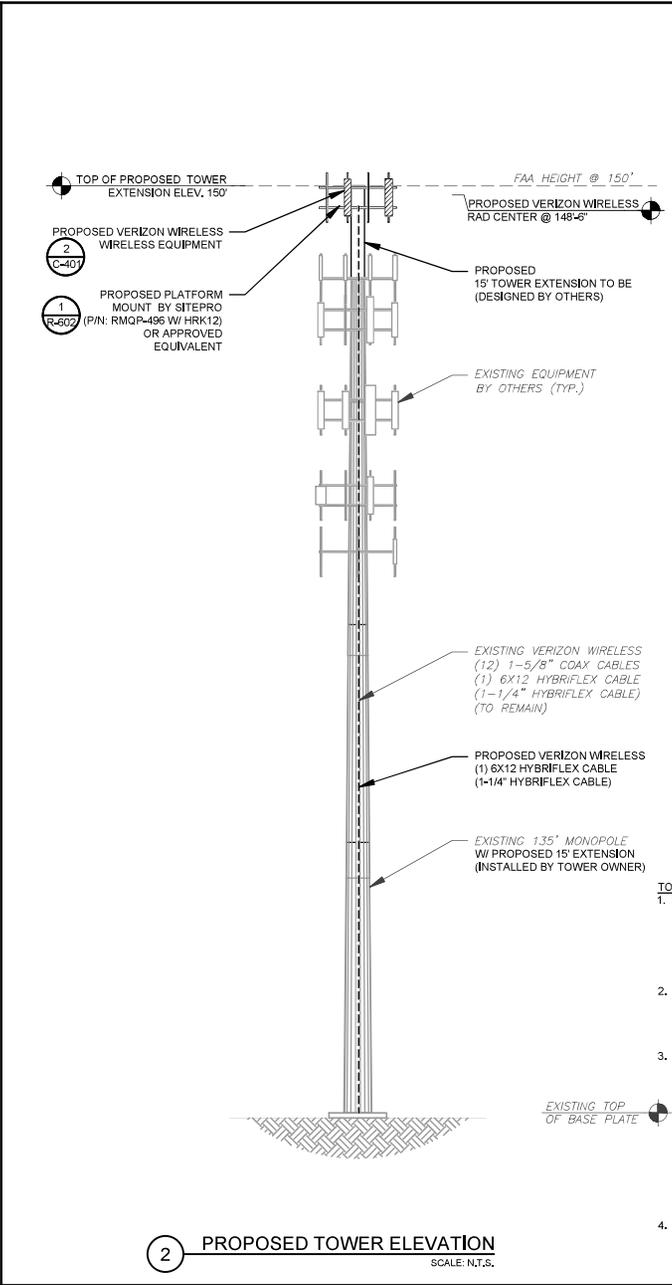
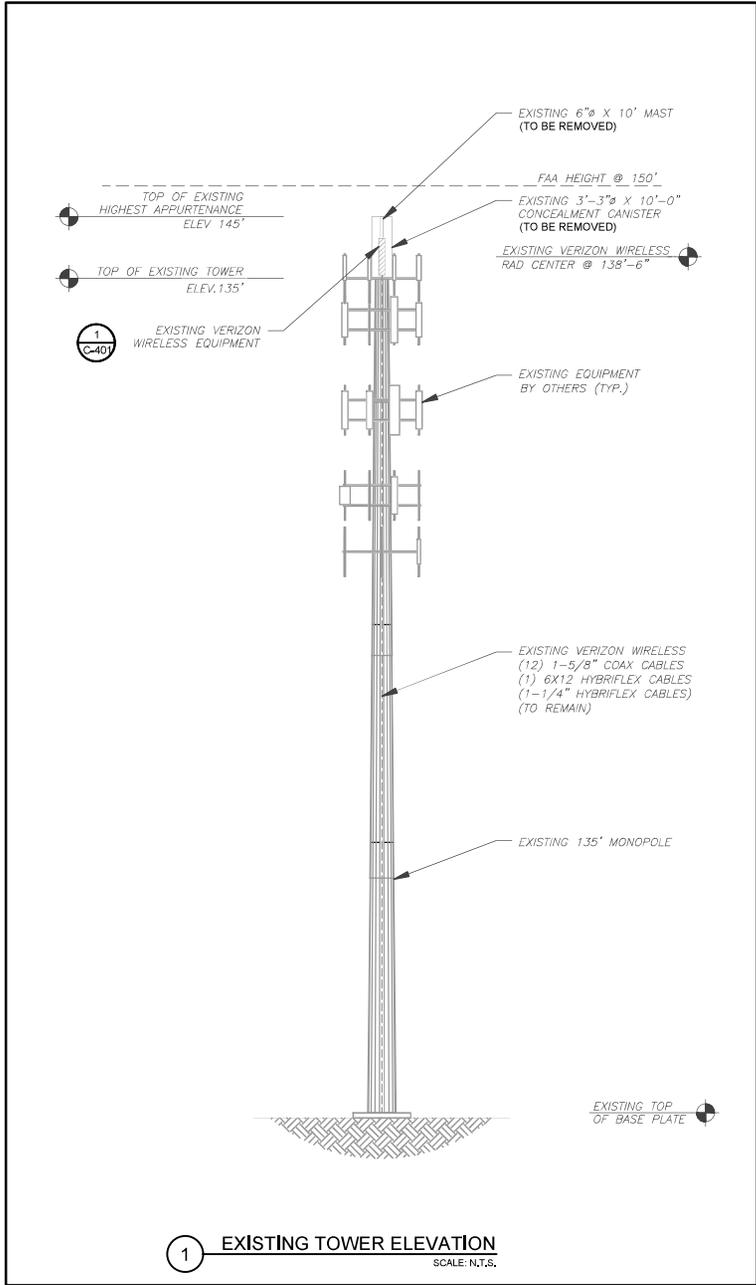


DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

DETAILED EQUIPMENT LAYOUT

SHEET NUMBER:	REVISION:
C-102	0





PER MOUNT ANALYSIS COMPLETED BY COLLIER ENGINEERING & DESIGN, DATED MAY 08, 2024, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

ATC IS CURRENTLY FILED FOR FAA HEIGHT HIGHER THAN THE EXISTING TOP OF TOWER.

- TOWER NOTES:**
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM WITH THE PROJECT MANAGER THAT THEY HAVE THE MOST RECENT VERSION OF THE STRUCTURAL ANALYSIS BEFORE COMMENCING WORK. EXISTING AND PROPOSED TOWER APPURTENANCES, MOUNTS, AND ANTENNAS ARE SHOWN BASED ON THE STRUCTURAL ANALYSIS.
 - WHERE APPLICABLE, ALL NEW ANTENNAS, EQUIPMENT, MOUNTS, CABLING, ETC. SHALL BE PAINTED/SOCKED TO MATCH EXISTING EQUIPMENT IN ACCORDANCE WITH FAA, JURISDICTION, AND/OR OTHER LOCAL REQUIREMENTS.
 - ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING, ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAPINS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.
 - TOWER ELEVATION DEPICTION MAY NOT REFLECT ALL EQUIPMENT INCLUDED IN STRUCTURAL ANALYSIS. REFER TO STRUCTURAL ANALYSIS FOR FULL TOWER LOADING.

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FL CO# 31011
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302623
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FOREST LAKE FL 2
VERIZON WIRELESS SITE NAME:
FL ATC FOREST LAKE
SITE ADDRESS:
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ALTAMONTE SPRINGS, FL 32714-2736

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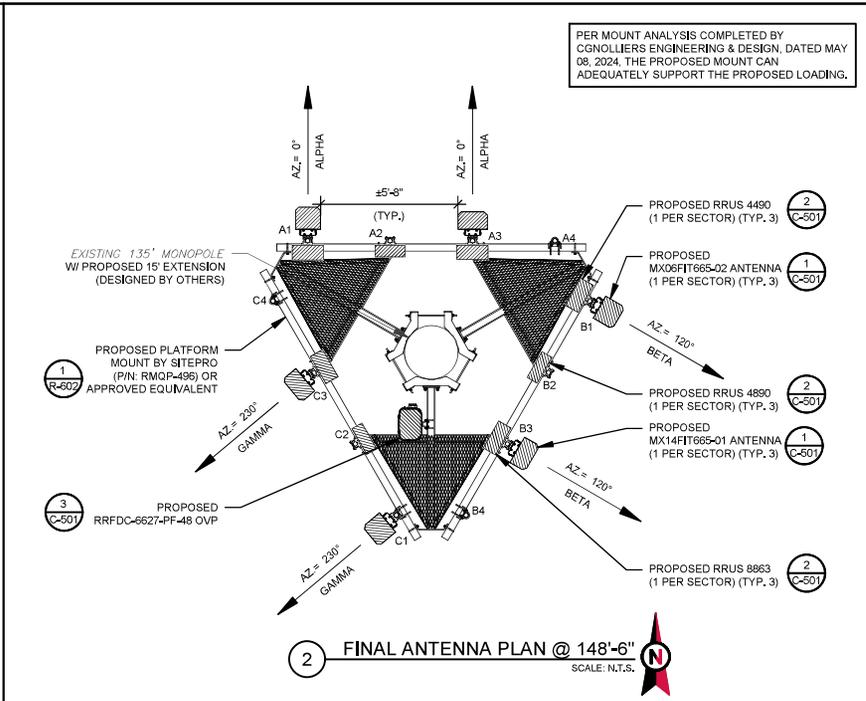
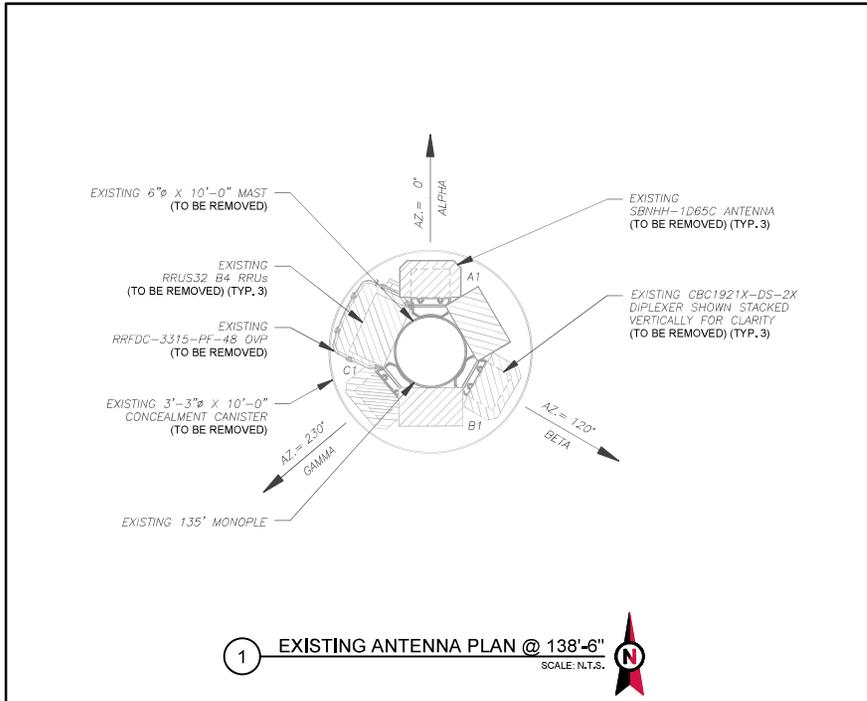
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SEAL:

JOSHUA H. CARDEN
LICENSE
No 83511
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
06/06/24

DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

TOWER ELEVATION	
SHEET NUMBER: C-201	REVISION: 0



EXISTING ANTENNA SCHEDULE									
LOCATION		ANTENNA SUMMARY					NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	138'-6"	0°	A1	SBNHH-1D65B	LTE 700/LTE 1900/LTS AWS	-	RMV	(1) CBC1921X-DS-2X (1) RRU32 B4 RRU	RMV RMV
BETA	138'-6"	120°	B1	SBNHH-1D65B	LTE 700/LTS 1900/LTS AWS	-	RMV	(1) CBC1921X-DS-2X (1) RRU32 B4 RRU	RMV RMV
GAMMA	138'-6"	230°	C1	SBNHH-1D65B	LTE 700/LTS 1900/LTS AWS	-	RMV	(1) CBC1921X-DS-2X (1) RRU32 B4 RRU	RMV RMV

* - SEE RFDS FOR VALUES

NOTES

- CONFIRM WITH VERIZON WIRELESS REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR MSN CONFIGURATION (CONFIG), GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.
- TEP DID NOT VERIFY THE EXISTING LOADING. LOADING DATA PROVIDED BY ATC AND VERIZON.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
RMN: TO REMAIN
REL: TO BE RELOCATED
ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS
JUNCTION BOX TO RRU: 15'
RRU TO ANTENNA: 10'

FINAL ANTENNA SCHEDULE									
LOCATION		ANTENNA SUMMARY					NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS
ALPHA	148'-6"	0°	A1	MX06FIT665-02	LTE 700/LTE 1900/ 5G 1900/	-	ADD	(1) RRU 4490	ADD
			A2	-	-	-	-	(1) RRU 4890	ADD
			A3	MX14FIT665-01	LTE 700/LTE 1900/5G 1900/LTE AWS/3/LTE AWS	-	ADD	(1) RRU 8863	ADD
			A4	-	-	-	-	-	-
BETA	148'-6"	120°	B1	MX06FIT665-02	LTE 700/LTE 1900/ 5G 1900/	-	ADD	(1) RRU 4490	ADD
			B2	-	-	-	-	(1) RRU 4890	ADD
			B3	MX14FIT665-01	LTE 700/LTE 1900/5G 1900/LTE AWS/3/LTE AWS	-	ADD	(1) RRU 8863	ADD
			B4	-	-	-	-	-	-
GAMMA	148'-6"	230°	C1	MX06FIT665-02	LTE 700/LTE 1900/ 5G 1900/	-	ADD	(1) RRU 4490	ADD
			C2	-	-	-	-	(1) RRU 4890	ADD
			C3	MX14FIT665-01	LTE 700/LTE 1900/5G 1900/LTE AWS/3/LTE AWS	-	ADD	(1) RRU 8863	ADD
			C4	-	-	-	-	-	-

* - SEE RFDS FOR VALUES

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRIFLEX	STATUS
(1) RRFDC-3315-PF-48	RMV	(12) 1-5/8"	(1) 6x12 (1-1/4")	RMN

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY		
MODEL NUMBER	STATUS	COAX	HYBRIFLEX	STATUS
(1) RRFDC-6627-PF-48	ADD	-	(1) 6x12 (1-1/4")	ADD
-	-	(12) 1-5/8"	(1) 6x12 (1-1/4")	RMN

AMERICAN TOWER

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VERIZON WIRELESS SITE NAME:
FL ATC FOREST LAKE
SITE ADDRESS:
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ALAMONTE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
1	PRELIMINARY	SAS	05/30/24
2	100% CONSTRUCTION	KAG	06/06/24

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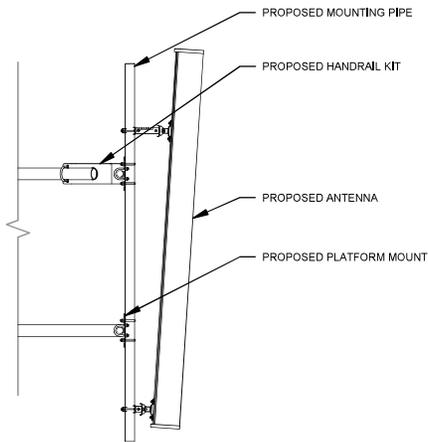
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verizon

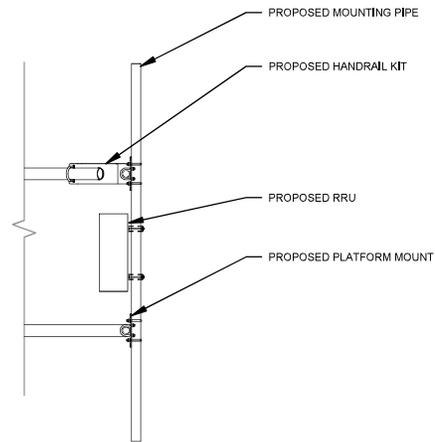
DATE DRAWN: 06/09/24
ATC JOB NO: 14752529
CUSTOMER NAME: FL ATC FOREST LAKE
CUSTOMER ID: 171540

ANTENNA INFORMATION & SCHEDULE

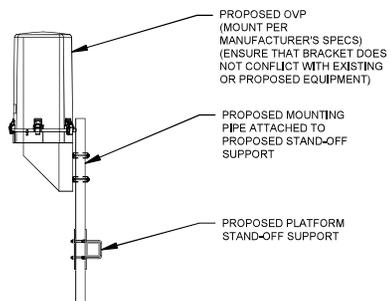
SHEET NUMBER: **C-401** REVISION: **0**



1 PROPOSED ANTENNA MOUNTING DETAIL
SCALE: N.T.S.



2 PROPOSED RRU MOUNTING DETAIL
SCALE: N.T.S.



3 PROPOSED OVP MOUNTING DETAIL - TYPICAL
SCALE: N.T.S.



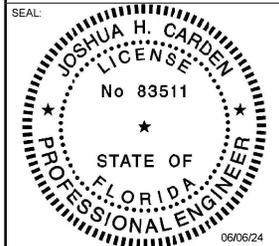
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ALTAMONTE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	SAS	05/30/24
△	100% CONSTRUCTION	KAG	06/06/24
△			
△			

DIGITAL/ELECTRONIC SEAL:
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSHUA H. CARDEN, P.E. ON THE DATE ADJACENT TO THE SEAL.

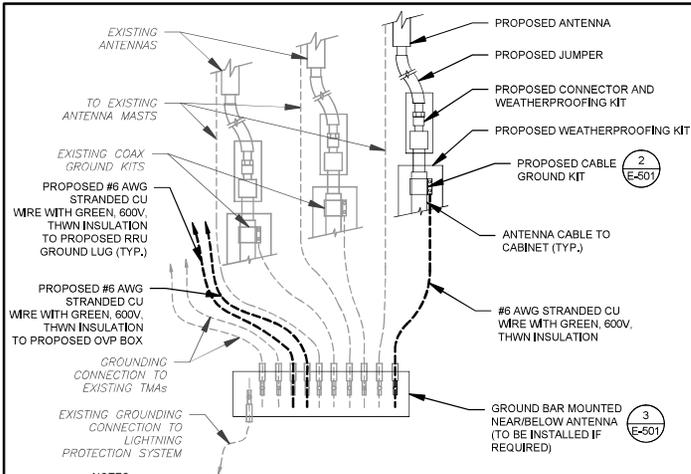
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DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

**CONSTRUCTION
DETAILS**

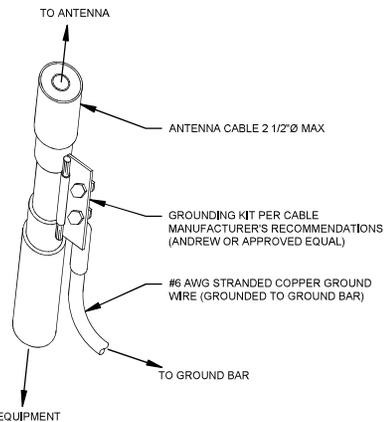
SHEET NUMBER:	REVISION:
C-501	0



NOTES:

1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
2. SITE GROUNDING SHALL COMPLY WITH VERIZON WIRELESS GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON WIRELESS GROUNDING CHECKLIST, LATEST VERSION, WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN.

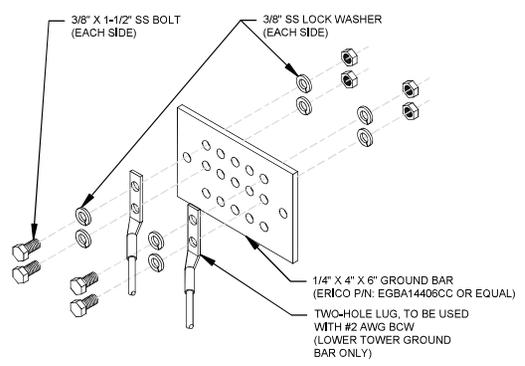
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S.



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS.

2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S.



GROUND BAR NOTES:

1. GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC, EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.

3 TOWER GROUND BAR DETAIL
SCALE: N.T.S.

328 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 861-6351
www.atgroup.net

FL CO# 31011
ATC SITE NUMBER:
302623
ATC SITE NAME:
FOREST LAKE FL 2
VERIZON WIRELESS SITE NAME:
FL ATC FOREST LAKE
SITE ADDRESS:
631 SELF ESTEEM WAY
ALTAMONTE SPRINGS, FL 32714-2736

REV.	DESCRIPTION	BY	DATE
△	PRELIMINARY	SAS	05/30/24
△	100% CONSTRUCTION	KAG	06/06/24
△			
△			

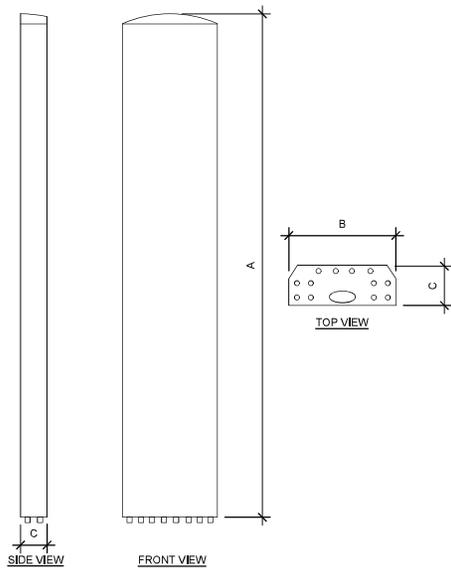
DIGITAL/ELECTRONIC SEAL:
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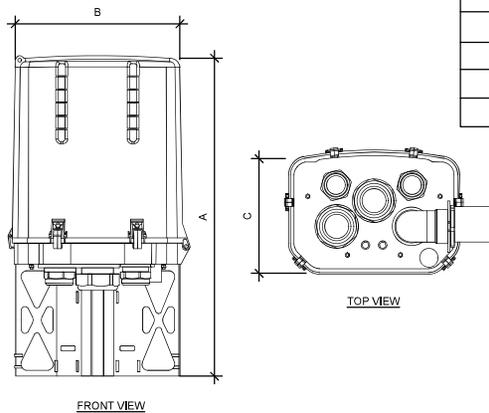
DATE DRAWN:	06/06/24
ATC JOB NO:	14752529
CUSTOMER NAME:	FL ATC FOREST LAKE
CUSTOMER ID:	171540

GROUNDING DETAILS

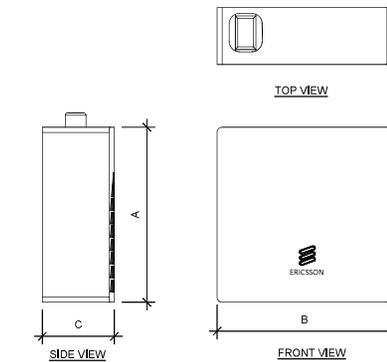
SHEET NUMBER: E-501	REVISION: 0
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ANTENNA SPECIFICATIONS				
ANTENNA MODEL	A	B	C	WEIGHT (LBS)
MX14FIT665-01	72.0"	14.2"	8.5"	63.0
MX06FIT665-02	71.3"	12.2"	10.7"	45.0



OVP SPECIFICATIONS				
RAYCAP MODEL	A	B	C	WEIGHT (LBS)
RRFDC-6627-PF-48	71.3"	12.2"	10.7"	45.0



RRU SPECIFICATIONS				
RRU MODEL	A	B	C	WEIGHT (LBS)
RRUS 4490	20.6"	15.7"	7"	68.4
RRUS 4890	20.6"	15.7"	7.2"	69.5
RRUS 8863	18.9"	14.8"	6.7"	57.4

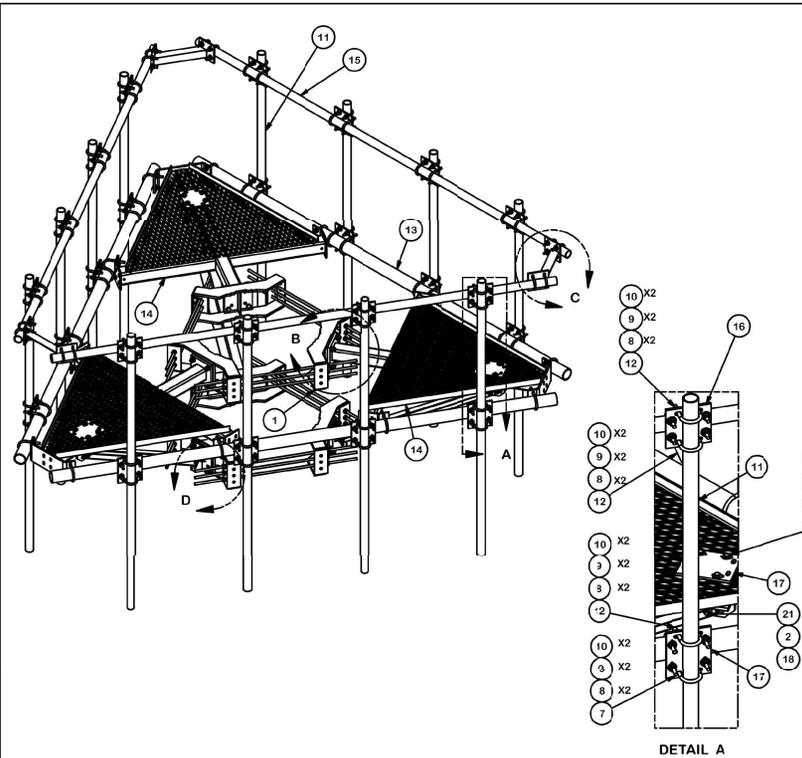
EQUIPMENT SPECIFICATIONS
SCALE: N.T.S.

SUPPLEMENTAL

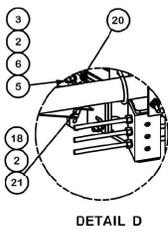
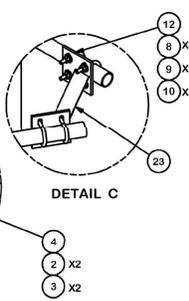
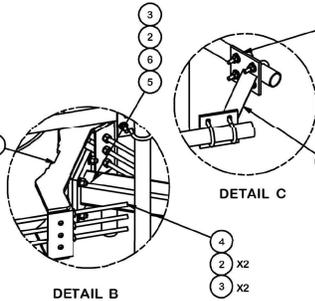
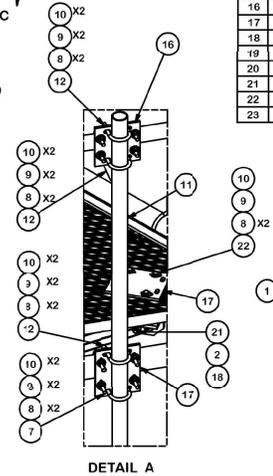
SHEET NUMBER: REVISION:

R-601

-



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	6	X-LWFM	RING MOUNT WELDMENT		68.81	412.85
2	66	G58LW	5/8" HDG LOCKWASHER		0.03	1.72
3	60	A58NUT	5/8" HDG A325 HEX NUT		0.13	7.79
4	18	G58R-24	5/8" x 24" THREADED ROD (HDG.)		2.09	37.63
4	18	G58R-48	5/8" x 48" THREADED ROD (HDG.)		4.18	75.27
5	24	A58234	5/8" x 2-3/4" HDG A325 HEX BOLT	2 3/4 in	0.36	8.54
6	24	A58FW	5/8" HDG A325 FLATWASHER		0.03	0.82
7	36	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	29.82
8	264	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	9.00
9	252	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	3.50
10	252	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	18.05
11	12	P296	2-3/8" X 96" SCH. 40 GALVANIZED PIPE	95 in	30.76	369.08
12	84	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	52.51
13	3	P3150	3-1/2" X 150" (3" SCH 40) GALVANIZED PIPE	150 in	94.80	284.40
14	3	X-SV196	LOW PROFILE PLATFORM CORNER		212.10	636.31
15	3	P2150	2-3/8" O.D. X 150" SCH 40 GALVANIZED PIPE	150 in	45.77	137.31
16	12	SCX2	CROSSOVER PLATE	7 in	4.80	57.56
17	15	SCM4	CROSSOVER PLATE	8 1/2 in	6.02	90.32
18	6	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	0.78
19	6	X-253893	PLATFORM REINFORCEMENT KIT ANGLE	52 23/32 in	14.33	85.99
20	6	X-TBW	T-BRACKET WELDMENT		13.40	81.60
21	6	G5802	5/8" x 2" HDG HEX BOLT GR5		0.27	1.62
22	12	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	5 1/2 in	0.41	4.91
23	3	X-AHCP	ANGLE HANDRAIL CORNER PLATE		12.82	38.76
					TOTAL WT. #	2445.81



REV	DESCRIPTION OF REVISIONS	QTY	BY	DATE
B	RELOCATED MOUNT PIPE POSITIONS	4488	JET	5/23/2021
A	CHANGED X-253992 TO X-TBW	4488	CEK	9/20/2018

TOLERANCE NOTES
 TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
 SAWS, SHEARED AND GAS CUT EDGES ($\pm 0.030"$)
 DRILLED AND GAS CUT HOLES ($\pm 0.030"$) - NO CONING OF HOLES
 LASER CUT EDGES AND HOLES ($\pm 0.010"$) - NO CONING OF HOLES
 BENDS ARE $\pm 1/2$ DEGREE
 ALL OTHER MACHINING ($\pm 0.030"$)
 ALL OTHER ASSEMBLY ($\pm 0.060"$)

DESCRIPTION 12' 6" LOW PROFILE PLATFORM WITH TWELVE 2-3/8" ANTENNA MOUNTING PIPES, AND SUPPORT RAIL			
QTD. NO. 4488	DRAWN BY CEK 7/14/2014	ENG. APPROVAL	PART NO. RMQP-496-HK
CLASS 81	REVISION 02	DRAWING USAGE CUSTOMER	ENGINEERED BY BMC 7/14/2014

SITE PRO
A valmont COMPANY

Engineering Support Team:
 1-888-753-7446
 Locations:
 New York, NY
 Atlanta, GA
 Los Angeles, CA
 Plymouth, IN
 Salem, OR
 Dallas, TX

1 PROPOSED PLATFORM MOUNT DETAIL
 SCALE: N.T.S.

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF CUSTOMER WITHOUT EDIT.

SUPPLEMENTAL	
SHEET NUMBER: R-602	REVISION: -



Colliers Engineering & Design
 5141 Virginia Way, Suite 420
 Brentwood, TN 37027
 615.686.2575
 ashley.sustek@collierseng.com

Mount Structural Analysis Report
 (1) 12.50-Ft Platform

Site ID: 5000301346-VZW / FL ATC FOREST LAKE
 May 8, 2024
 Page | 5

New/Replacement Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10224432
 Colliers Engineering & Design Project #: 22944038 (Rev 1)

May 8, 2024

Site Information

Site ID: 5000301346-VZW / FL ATC FOREST LAKE
 Site Name: FL ATC FOREST LAKE
 Carrier Name: Verizon Wireless
 Address: 631 Self Esteem Way
 Altamonte Springs, Florida 32714
 Seminole County
 Latitude: 28.669639°
 Longitude: -81.433400°

Structure Information

Tower Type: 150-Ft Monopole
 Mount Type: 12.50-Ft Platform

FUZE ID # 16493925

Analysis Results

Platform: 45.4% Pass w/ Mount Replacement
 (1) Site Pro I RMQP-496

*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.

*****Contractor PMI Requirements:**

Included at the end of this MA report
 Available & Submitted via portal at <https://pmi.vzsmart.com>
 For additional questions and support, please reach out to:
 pmisupport@colliersengineering.com

Report Prepared By: Jared Adkins



Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	23.0	23.0	40.1	40.1
0.5	31.8	31.8	56.1	56.1
1	39.0	39.0	70.5	70.5

Notes:

- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The proposed antenna mounts are SUFFICIENT for the final loading configuration (attachment 2) upon completion of the mount replacement (attachment 3) and requirements below.

Refer to additional PMI Documents and instructions attached at the end of this report. Contact EOR if this information is not available.

ANGI/AQOP rigging plan review services compliant with the requirements of ANGI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

Attachments:

1. Contractor Required Post Installation Inspection (PMI) Report Deliverables
2. Antenna Placement Diagrams
3. Mount Manufacturer Drawings
4. Existing Mount Photos
5. Analysis Calculations

NOTE: THIS SHEET WAS CREATED BY OTHERS AND PROVIDED AT THE REQUEST OF THE CUSTOMER WITHOUT EDIT. PLEASE REFERENCE THE MOUNT ANALYSIS REPORT FOR COMPLETE MOUNT ANALYSIS CALCULATIONS AND DETAILS. SUPPLEMENTAL PAGES INCLUDED IN THE CONSTRUCTION DRAWINGS ARE FOR REFERENCE ONLY. GENERAL CONTRACTOR IS TO VERIFY THEY HAVE THE MOST RECENT MOUNT ANALYSIS PRIOR TO CONSTRUCTION.

MOUNT ANALYSIS
 SCALE: N.T.S.

SUPPLEMENTAL

SHEET NUMBER: R-603
 REVISION: -

EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION

5000301346: FL ATC FOREST LAKE

631 SELF ESTEEM WAY
 ALTAMONTE SPRINGS, FLORIDA 32714
 SEMINOLE COUNTY
 LAT: 28° 40' 10.56"; LONG: -81° 26' 00.60"

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PAUL J. FORD & COMPANY
 250 E Brocadd St, Ste 600- Columbus, OH 43215
 Phone 614.221.6679 www.pauljford.com

Colliers Engineering & Design

PROJECT CONTACTS	
CLIENT: COLLIERS ENGINEERING CONTACT: ASHLEY SUSTEK AT ASHLEY.SUSTEK@COLLIERSENG.COM PH: 877 627-3772	
ENGINEER OF RECORD: PJFTELECOM@PAULJFORD.COM	

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
T-1	TITLE SHEET
BOM-1	BILL OF MATERIALS
MI-1	SI CHECKLIST AND NOTES
N-1	GENERAL NOTES
S-1	MONOPOLE PROFILE
S-2	EXTENSION PROFILE
S-3	EXTENSION DETAILS
S-4	EXTENSION DETAILS

ATC TOWER #:	302623
ATC STRUCTURAL ENG. #:	14178098_C3_03
ATC CUSTOMER:	VERIZON WIRELESS
QUALIFIED ENGINEERING SERVICES ARE AVAILABLE FROM PAUL J. FORD & COMPANY TO ASSIST CONTRACTORS IN CLASS IV RIGGING PLAN REVIEWS. FOR REQUESTED QUALIFIED ENGINEERING SERVICES, PLEASE CONTACT PJFTELECOM@PAULJFORD.COM.	

DESIGN DATA	
REFERENCE STANDARD	ANSI/TIA-222-H-2017
LOCAL CODE	2023 FLORIDA BUILDING CODE 8TH EDITION
TIA-222-H, ANNEX S USED (Y/N)	N
SITE SPECIFIC WIND STUDY (Y/N)	N
ULTIMATE WIND SPEED (3-SECOND GUST, V_{ULT})	135
RISK CATEGORY	II
EXPOSURE CATEGORY	B
TOPOGRAPHIC CATEGORY	1
CREST HEIGHT	0
SITE CLASS	D
SEISMIC IMPORTANCE FACTOR	1
S_s	0.08
S_1	0.04
DESIGN BASE SHEAR (KIPS)	1.51
C_s	0.03
R	1.5
SEISMIC ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE PROCEDURE

5000301346: FL ATC FOREST LAKE
 ALTAMONTE SPRINGS, FLORIDA
 EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION



04/23/2024

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PROJECT No:	22724-0007,001,7700
DRAWN BY:	TAN
DESIGNED BY:	TJD
CHECKED BY:	<i>RAT</i>
DATE:	4/19/2024

TITLE SHEET

T-1

REV	DATE	DESCRIPTION

V:\0_22724-0007\001.DWG

BILL OF MATERIALS

QUANTITY COUNTED	QUANTITY PROVIDED	PART NUMBER	DESCRIPTIONS	LENGTH	SHEET LIST	PART WEIGHT	WEIGHT (LBS)	NOTES
1	1	CP1	CAP PLATE, 1/4" THK x 32 1/2" OD		S-3	58	58	GALVANIZED
1	1	FP1	FLANGE PLATE, 1 3/4" THK x 32 1/2" OD x 18" ID		S-3	273	273	GALVANIZED
1	1	FP2	FLANGE PLATE, 1 3/4" THK x 32 1/2" OD x 18" ID		S-3	241	241	GALVANIZED
4	4	MF1	MOUSE HOLE PORTS, 12"H x 7"W x 7 9/16"D x 1/2" THK		S-3	10	40	GALVANIZED
3	3	HRR612	SITE PRO 1 PORT, 12"H x 6"W x 2 1/2"D x 1/2" THK		S-3	12	36	GALVANIZED
1	1	P1	EXTENSION PIPE, 24" x 1/4" THK	14'-8 1/2"	S-3	1397	1397	GALVANIZED
12	15	BK-100-450-A325	1" ASTM A325 BOLTS	4 1/2"	S-2			
4	6	BK-100-250-A325	1" ASTM A325 BOLTS	3 1/2"	S-2			
TOTAL WEIGHT =							2045	

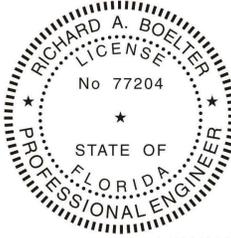
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PAUL J. FORD & COMPANY
 250 E Broad St, Ste 600- Columbus, OH 43215
 Phone 614.221.6679
 www.pauljford.com



Colliers Engineering & Design

5000301346: FL ATC FOREST LAKE
 ALTAMONTE SPRINGS, FLORIDA
 EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION



04/23/2024

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PROJECT No:	22724-0007,001,7700
DRAWN BY:	TAN
DESIGNED BY:	TJD
CHECKED BY:	<i>RAT</i>
DATE:	4/19/2024

BILL OF MATERIALS

BOM-1

REV	DATE	DESCRIPTION

V:\0_22724-0007_001.DWG

SPECIAL INSPECTION CHECKLIST

INSPECTION DOCUMENT	DESCRIPTION	INSPECTION TESTING REQUIRED	RESPONSIBILITY	SI REVIEW REQUIRED			INSPECTION FREQUENCY	
				PRE CX	DURING CX	POST CX	PERIODIC	CONTINUOUS
SPECIAL INSPECTION FIELD WORK & REPORT	DOCUMENTATION AND SITE VISIT TO BE CONDUCTED BY AN ATC APPROVED SPECIAL INSPECTOR AS REQUIRED BY ATC AND OTHER AUTHORITIES HAVING JURISDICTION. INSPECTION PARAMETERS TO FOLLOW ATCS STANDARD SPECIFICATION FOR WIRELESS TOWER SITES.	Y	SI			X	X	
ENGINEERING ASSEMBLY DRAWINGS	GENERAL CONTRACTOR TO SUBMIT DRAWINGS TO SPECIAL INSPECTOR FOR INCLUSION IN THE SPECIAL INSPECTION REPORT	Y	GC	X			X	
FABRICATED MATERIAL VERIFICATION & INSPECTION	MATERIAL TEST REPORTS AND/OR MATERIAL TEST CERTIFICATE FOR SUPPLIED MATERIALS TO BE PROVIDED TO SPECIAL INSPECTOR BY GENERAL CONTRACTOR TO BE INCLUDED IN SPECIAL INSPECTION REPORT WHEN REQUIRED BY TOWER OWNER	Y	SI	X			X	
CERTIFIED WELD INSPECTION	INSPECTION AND REPORT OF STRUCTURAL WELDING PERFORMED DURING PROJECT COMPLETED BY A CMI AND INCLUDED WITHIN SI REPORT	Y	GC / TA	X			X	
FOUNDATION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF FOUNDATION EXCAVATION, REBAR PLACEMENT, CASINGS/SHORING/FORMING PLACEMENT, AND ANCHOR TEMPLATE AND ANCHOR PLACEMENT - TO BE SI APPROVED PRIOR TO CONCRETE POUR AND DOCUMENTED IN THE SI REPORT	N	SI					
ANCHOR, ROCK ANCHOR OR HELICAL PULL-OUT TEST	PULL TESTING OF INSTALLED ANCHORS TO BE COMPLETED AND DOCUMENTED IN SPECIAL INSPECTION REPORT	N	GC / TA					
CONCRETE INSPECTION & VERIFICATION	CONCRETE MIX DESIGN, SLUMP TEST, COMPRESSIVE TESTING, AND SAMPLE GATHERING TECHNIQUES ARE TO BE PROVIDED FOR INCLUSION IN THE SPECIAL INSPECTION REPORT. SPECIAL INSPECTOR SHALL VERIFY CONCRETE PLACEMENT AS REQUIRED BY THE DESIGN DOCUMENTS (INSPECTION FREQUENCY IS MARKED CONTINUOUS)	N	GC / TA					
DYWDAG PLACEMENT/ANCHOR BOLT EMBEDMENT - EPOXY/GROUT INSTALL	ANCHOR/BAR EMBEDMENT, HOLE SIZE, EPOXY/GROUT TYPE, INSTALLATION TEMPERATURE AND INSTALLATION SHALL BE VERIFIED BY THE SPECIAL INSPECTOR AND INCLUDED IN THE SPECIAL INSPECTION REPORT	N	GC / SI					
BASE PLATE GROUT INSPECTION & VERIFICATION	BASE PLATE GROUTING TYPE AND PLACEMENT SHALL BE CONFIRMED BY THE SPECIAL INSPECTOR AND INCLUDED IN THE SPECIAL INSPECTION REPORT	N	GC / SI					
EARTHWORK INSPECTION & VERIFICATION	EXCAVATION, FILL, SLOPE, GRADE AND OTHER EARTHWORK REQUIREMENTS PER PLANS SHALL BE VERIFIED BY THE SPECIAL INSPECTOR AND INCLUDED IN THE SPECIAL INSPECTION REPORT	N	GC / TA					
COMPACTION VERIFICATION	CONTRACTOR SHALL PROVIDE AN INDEPENDENT THIRD PARTY CERTIFIED INSPECTION WHICH PROVIDES TEST RESULTS FOR COMPACTION TEST OF SOILS IN PLACE TO ASTM STANDARDS	N	GC / TA					
GROUND TESTING & VERIFICATION	GENERAL CONTRACTOR SHALL PROVIDE DOCUMENTATION SHOWING THAT THE GROUNDING SYSTEM SHALL HAVE A MEASURED RESISTANCE TO THE GROUND OF NOT MORE THAN THE RECOMMENDED 10 OHMS, PER THE ATC CONSTRUCTION SPECIFICATION UNDER SECTION 2.15 THIS DOCUMENTATION MUST BE AN INDEPENDENT CERTIFICATION	N	GC					
STEEL CONSTRUCTION INSPECTION & VERIFICATION	VISUAL OBSERVATION AND APPROVAL OF STEEL CONSTRUCTION TO BE PERFORMED BY THE SPECIAL INSPECTOR. INSPECTION TO INCLUDE VERIFICATION OF NEW CONSTRUCTION OR MODIFICATION OF EXISTING CONSTRUCTION PER ENGINEERED PLANS. DETAILED VERIFICATION SHALL BE INCLUDED IN SPECIAL INSPECTION REPORT	Y	SI			X	X	
ON-SITE COLD GALVANIZING VERIFICATION	SPECIAL INSPECTOR SHALL VERIFY WITH GENERAL CONTRACTOR ALL COLD GALVANIZATION TYPE AND APPLICATION AND INCLUDE SUMMARY IN SPECIAL INSPECTION REPORT	Y	GC			X	X	
GUY WIRE TENSIONING & TOWER ALIGNMENT REPORT	GENERAL CONTRACTOR SHALL PROVIDE SPECIAL INSPECTOR EVIDENCE OF PROPER GUY TENSIONING AND TOWER PLUMB PER PLANS. SPECIAL INSPECTOR SHALL VERIFY AND INCLUDE PLUMB AND TENSION REPORTING IN SPECIAL INSPECTION REPORT	N	GC					
GC AS-BUILT DRAWINGS WITH CONSTRUCTION RED-LINES	GENERAL CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS TO SPECIAL INSPECTOR FOR APPROVAL/REVIEW AND INCLUSION IN SPECIAL INSPECTION REPORT	Y	GC			X	X	
SPECIAL INSPECTION AS-BUILT DRAWINGS WITH INSPECTION RED-LINES (AS REQUIRED)	SPECIAL INSPECTOR SHALL SUBMIT "AS-BUILT" DRAWINGS INDICATING ANY APPROVED CHANGES TO ENGINEERED PLANS WITHIN SPECIAL INSPECTION REPORT	Y	SI			X	X	
TIA INSPECTION	SPECIAL INSPECTOR SHALL COMPLETE TIA INSPECTION AND PROVIDE SEPARATE TIA INSPECTION DOCUMENTATION TO ATC CONSTRUCTION MANAGER	N	SI					
PHOTOGRAPHS	PHOTOGRAPHIC EVIDENCE OF SPECIAL INSPECTION, ON SITE REMEDIATION, AND ITEMS FAILING INSPECTION & REQUIRING FOLLOW UP TO BE INCLUDED WITHIN THE SPECIAL INSPECTION REPORT. COMPLETE PHOTO LOG IS TO BE SUBMITTED WITHIN SPECIAL INSPECTION REPORT.	Y	GC / SI			X	X	

NOTE: SPECIAL INSPECTIONS ARE INTENDED TO BE A COLLABORATIVE EFFORT BETWEEN GENERAL CONTRACTOR AND SPECIAL INSPECTOR. WHENEVER POSSIBLE GENERAL CONTRACTOR IS TO PROVIDE SPECIAL INSPECTOR WITH PHOTOGRAPHIC OR OTHER ACCEPTABLE EVIDENCE OF PROPER INSTALLATION IF PERIODIC INSPECTION FREQUENCY IS ACCEPTABLE. THE GENERAL CONTRACTOR AND SPECIAL INSPECTOR SHALL WORK TO COMPILE EVIDENCE OF PROPER CONSTRUCTION AND LIMIT THE NUMBER OF SPECIAL INSPECTOR SITE VISITS REQUIRED.

TABLE KEY:

SI - ATC APPROVED SPECIAL INSPECTOR	CX - CONSTRUCTION
GC - GENERAL CONTRACTOR	CM - CONSTRUCTION MANAGER
TA - 3RD PARTY TESTING AGENCY	ATC - AMERICAN TOWER CORPORATION

MODIFICATION INSPECTION NOTES

THE SPECIAL INSPECTION (SI) PROCEDURE IS INTENDED TO CONFIRM THAT CONSTRUCTION AND INSTALLATION MEETS ENGINEERING DESIGN, ATC PROCEDURES AND ATC STANDARD SPECIFICATION FOR WIRELESS TOWER SITES.

TO ENSURE THAT THE REQUIREMENT OF THE SI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR AND THE INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PO IS RECEIVED FROM AMERICAN TOWER CORPORATION (ATC). IT IS EXPECTED THAT EACH PARTY WILL PROACTIVELY REACH OUT TO THE OTHER PARTY. IF CONTACT INFORMATION IS NOT KNOWN, CONTACT YOUR AMERICAN TOWER POINT OF CONTACT.

SPECIAL INSPECTOR

THE SPECIAL INSPECTOR IS REQUIRED TO CONTACT THE GENERAL CONTRACTOR AS SOON AS RECEIVING A PO FROM ATC. UPON RECEIVING A PO FROM ATC THE SPECIAL INSPECTOR AT A MINIMUM MUST:

- REVIEW THE REQUIREMENTS OF THE SI CHECKLIST.
- WORK WITH THE GENERAL CONTRACTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
- ANY CONCERNS WITH THE SCOPE OF WORK OR PROJECT COMMITMENT MUST BE RELAYED TO THE ATC POINT OF CONTACT IMMEDIATELY.

THE SPECIAL INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR INSPECTION AND TEST REPORTS, REVIEWING THESE DOCUMENTS FOR ADHERENCE TO CONTRACTOR DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE SI REPORT TO AMERICAN TOWER CORPORATION.

GENERAL CONTRACTOR

THE GENERAL CONTRACTOR IS REQUIRED TO CONTACT THE SI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENT OF THE SI CHECKLIST
- WORK WITH THE SI TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS.
- BETTER UNDERSTANDING ALL INSPECTION AND TESTING REQUIREMENTS.

THE GENERAL CONTRACTOR SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SI CHECKLIST.



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Colliers Engineering & Design

5000301346: FL ATC FOREST LAKE
 ALTAMONTE SPRINGS, FLORIDA
 EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION

PROJECT No:	22724-0007,001,7700
DRAWN BY:	TAN
DESIGNED BY:	TJD
CHECKED BY:	KAT
DATE:	4/19/2024

SI CHECKLIST AND NOTES

MI-1

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GENERAL

- ALL WORK TO BE COMPLETED PER APPLICABLE LOCAL, STATE, FEDERAL CODES AND ORDINANCES AND COMPLY WITH AISC CONSTRUCTION SPECIFICATIONS FOR WIRELESS TOWER SITES, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ADDING BY ALL REQUIRED PERMITS
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY INSTALLATION INTERFERENCES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS. DETAILS NOT SPECIFICALLY SHOWN ON THE DRAWINGS SHALL FOLLOW SIMILAR DETAILS FOR THIS JOB.
- ANY SUBSTITUTIONS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS, AND SHOULD BE SIMILAR TO THOSE SHOWN. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- ANY MANUFACTURED DESIGN ELEMENTS MUST CONFORM TO THE REQUIREMENTS OF THESE NOTES AND SPECIFICATIONS AND SHOULD BE SIMILAR TO THOSE SHOWN. THESE DESIGN ELEMENTS MUST BE STAMPED BY AN ENGINEER PROFESSIONALLY REGISTERED IN THE STATE OF THE PROJECT, AND SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION.

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND OSHA SAFETY REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND EXECUTION OF ALL MISCELLANEOUS SHORING, BRACING, TEMPORARY SUPPORTS, ETC., NECESSARY, PER TIA-019A-2011, TO PROVIDE A COMPLETE AND STABLE STRUCTURE AS SHOWN ON THESE DRAWINGS.
- CONTRACTOR'S PROPOSED INSTALLATION SHALL NOT INTERFERE, NOR DENY ACCESS TO, ANY EXISTING OPERATIONAL AND SAFETY EQUIPMENT.

STRUCTURAL STEEL

- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
- ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
- ALL U-BOLTS SHALL BE ASTM A36 OR EQUIVALENT, WITH LOCKING DEVICE, UNLESS NOTED OTHERWISE.
- FIELD CUT EDGES, EXCEPT DRILLED HOLES, SHALL BE GROUND SMOOTH.
- ALL FIELD CUT SURFACES, FIELD DRILLED HOLES & GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- ALL STRUCTURAL STEEL EMBEDDED IN THE CONCRETE SHALL BE APPLIED WITH (2) BRUSHED COATS OF POLYGUARD CA-8 MASTIC OR EQUIVALENT. REFER TO THE MANUFACTURER SPECIFICATIONS FOR SURFACE PREPARATION AND APPLICATION. APPLICATION OF POLYGUARD 400 WRAP IS NOT ESSENTIAL.
- CONTRACTOR SHALL PERFORM WORK ON ONLY ONE (1) TOWER FACE AND REPLACEMENT/REINFORCE ONE (1) BOLT/MEMBER AT A TIME.
- ALL FIELD DRILLED HOLES TO BE USED FOR FIELD BOLTING INSTALLATION SHALL BE STANDARD HOLES, AS DEFINED BY AISC, UNLESS NOTED OTHERWISE.
- PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY AND SHALL NOT BE USED FOR FABRICATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROPER FIT AND CLEARANCE OF THE REINFORCING MATERIAL IN THE FIELD, THE CONTRACTOR IS EXPECTED TO PERFORM A SITE VISIT BEFORE FABRICATING ANY MATERIAL.
- ALL STEEL SHALL CONFORM TO THE FOLLOWING (UNO):
 - PIPE: ASTM A53 GR B (35 KSI YIELD POINT MATERIAL)
 - ROUND HSS: ASTM A500 GR C (46 KSI YIELD POINT MATERIAL)
 - SQUARE HSS: ASTM A500 GR C (50 KSI YIELD POINT MATERIAL)
 - ANGLES, PLATES, SOLID RODS: ASTM A572 GR 50 (50 KSI YIELD POINT MATERIAL)
 - FLANGE PLATES: ASTM A572 GR 50 (50 KSI YIELD POINT MATERIAL)
 - ALL OTHER STEEL SHAPES: ASTM A36 (36 KSI YIELD POINT MATERIAL)
- ALL BOLTS (EXCEPT U-BOLTS) SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325.

PAINT

- AS REQUIRED, CLEAN AND PAINT PROPOSED STEEL ACCORDING TO FAA ADVISORY CIRCULAR AC 707460-1L.

WELDING

- ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- ALL WELDS SHALL BE INSPECTED VISUALLY, 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE (100% IF REJECTABLE DEFECTS ARE FOUND) TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
- PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.

BOLT TIGHTENING PROCEDURE

- STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC SPECIFICATIONS.
- FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER WASHERS, DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
- IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (EOR), TIGHTEN FLANGE BOLTS USING THE CHART BELOW:

BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS		
1/2"	BOLTS UP TO AND INCLUDING 2 1/2 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS UP TO AND INCLUDING 2 3/4 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS UP TO AND INCLUDING 3 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3 1/4 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4 1/4 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS UP TO AND INCLUDING 5 1/4 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS		
1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS 2.75 TO 5.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS 5.75 TO 11.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

- SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS", LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:

FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

8.2.1 TURN-OF-NUT PRETENSIONING
 BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1. UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED, FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

- ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRON WORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PILES INTO FIRM CONTACT.

APPLICABLE CODES AND STANDARDS

- ANSI/AISC STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES, 222-41 EDITION.
- 2018 INTERNATIONAL BUILDING CODE
- ACI 318: AMERICAN CONCRETE INSTITUTE, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, REFERENCE LATEST APPROPRIATE EDITION TO MATCH LOCAL AND/OR INTERNATIONAL BUILDING CODE(S) LISTED ABOVE.
- CRSI: CONCRETE REINFORCING STEEL INSTITUTE, MANUAL OF STANDARD PRACTICE, LATEST EDITION.
- AISC: AMERICAN INSTITUTE OF STEEL CONSTRUCTION, MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
- AWS: AMERICAN WELDING SOCIETY D1.1, STRUCTURAL WELDING CODE, LATEST EDITION.

SPECIAL INSPECTION

- A QUALIFIED INDEPENDENT TESTING LABORATORY, EMPLOYED BY THE OWNER, SHALL PERFORM INSPECTION AND TESTING IN ACCORDANCE WITH IBC 2018, SECTION 1704 AS REQUIRED BY PROJECT SPECIFICATIONS FOR THE FOLLOWING CONSTRUCTION WORK:
 - STRUCTURAL WELDING (CONTINUOUS INSPECTION OF FIELD WELD ONLY)
 - HIGH STRENGTH BOLTS (PERIODIC INSPECTION OF A325 EXTENSION FLANGE BOLTS BE TIGHTENED PER "TURN-OF-THE-NUT" METHOD)
- THE INSPECTION AGENCY SHALL SUBMIT INSPECTION AND TEST REPORTS TO THE BUILDING DEPARTMENT, THE ENGINEER OF RECORD, AND THE OWNER IN ACCORDANCE WITH IBC 2018, SECTION 1704, UNLESS THE FABRICATOR IS APPROVED BY THE BUILDING OFFICIAL TO PERFORM SUCH WORK WITHOUT THE SPECIAL INSPECTIONS.

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Colliers Engineering & Design

5000301346: FL ATC FOREST LAKE
 ALTAMONTE SPRINGS, FLORIDA
 EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION



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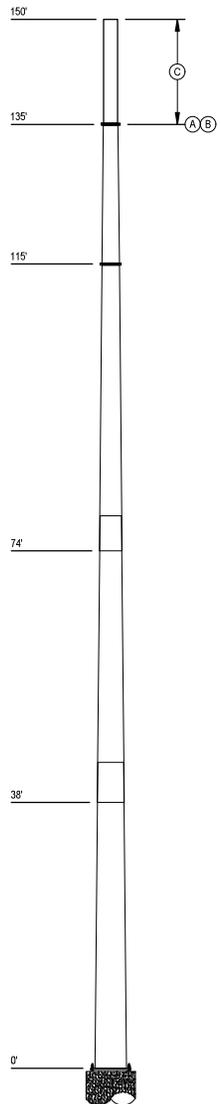
PROJECT No:	22724-0007,001,7700
DRAWN BY:	TAN
DESIGNED BY:	TJD
CHECKED BY:	RAT
DATE:	4/19/2024

GENERAL NOTES

N-1

REV	DATE	DESCRIPTION

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TOWER MODIFICATION SCHEDULE		
ELEVATION	TOWER MODIFICATION DESCRIPTION	REFERENCE SHEETS
(A)	135'	REMOVE EXISTING MONOPOLE TOP HAT
(B)	135'	RELOCATE EXISTING EQUIPMENT AS REQUIRED.
(C)	135' TO 150'	INSTALL NEW POLE EXTENSION

PRIOR TO FABRICATION AND INSTALLATION CONTRACTOR SHALL VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY AND SHALL NOT BE USED FOR FABRICATION.

MANUFACTURER POLE SPECIFICATIONS	
TAPER	0.221371 IN/FT
BASE PLATE STEEL	ASTM A572 GR 50 (FY=50 KSI)
ANCHOR RODS	2.25"ø ASTM A615 (FY=75 KSI)
FLANGE BOLTS	1"ø ASTM A325 (FY=92 KSI) & 1.25"ø ASTM A325 (FY=81 KSI)

SHAFT SECTION DATA								
SHAFT SECTION	SECTION LENGTH (FT)	POLE SHAFT THICKNESS (IN)	LAP SPLICE (FT)	DIAMETER ACROSS FLATS (IN)		POLE GRADE (KSI)	FLANGE PLATE GRADE (KSI)	POLE SHAPE
				@ TOP	@ BOTTOM			
1	20.00	0.21875		25.3	26.727	60	50	18-SIDED
2	41.00	0.2125	5.00	29.727	38.804	65	50	18-SIDED
3	41.00	0.375	5.75	37.072	46.148	65		18-SIDED
4	43.75	0.375		44.125	53.810	65		18-SIDED

NOTE: DIMENSIONS SHOWN DO NOT INCLUDE GALVANIZING TOLERANCES

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MONOPOLE PROFILE

S-1

POLE ELEVATION **1**
S-1

REV	DATE	DESCRIPTION

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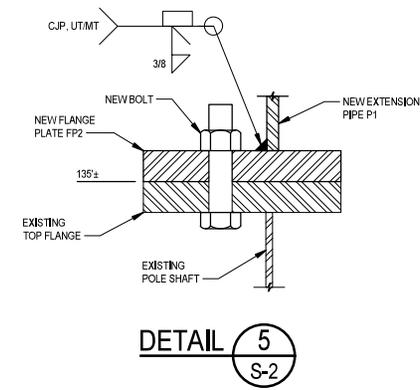
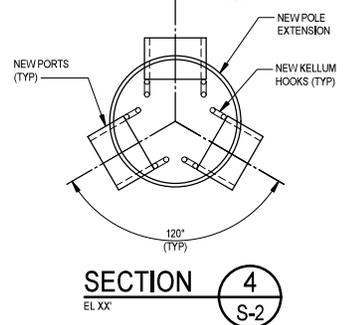
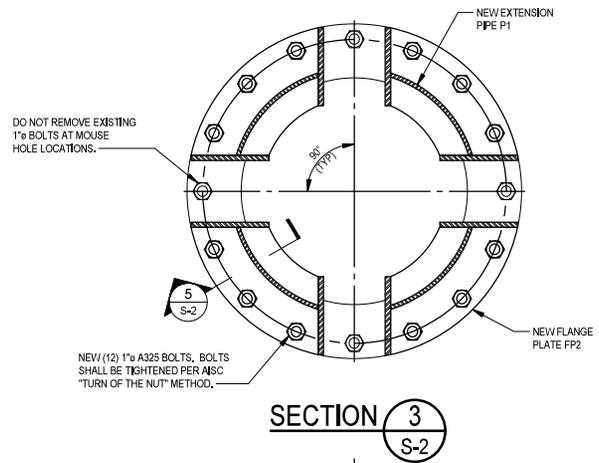
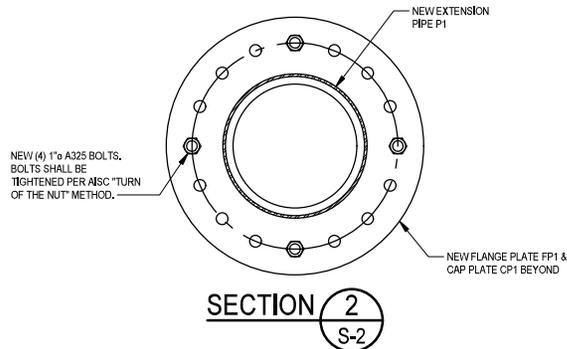
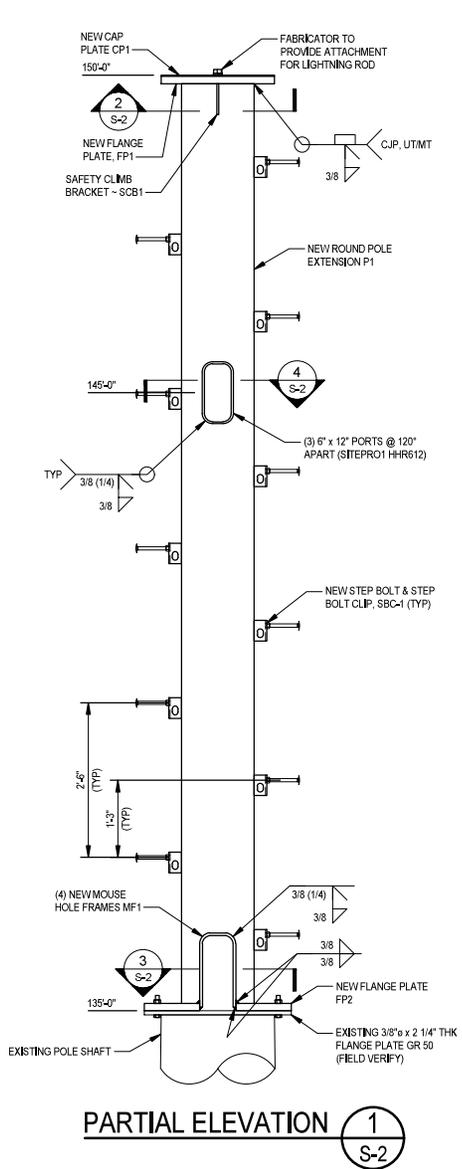
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DATE:	4/19/2024

EXTENSION PROFILE

S-2



PORTS TO BE INSTALLED PRIOR TO HOP-DIP GALVANIZING

ALL BOLTS SHALL BE TIGHTENED PER THE AISC "TURN OF THE NUT" METHOD UNO.



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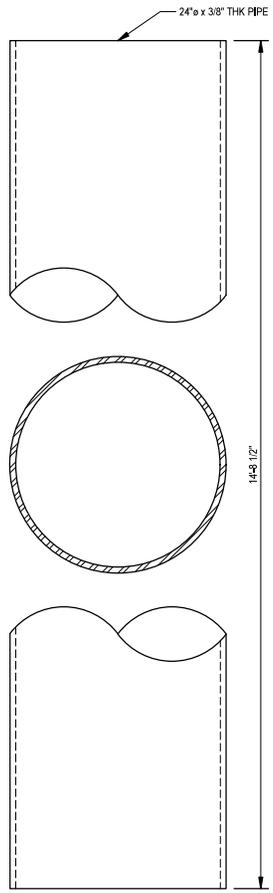
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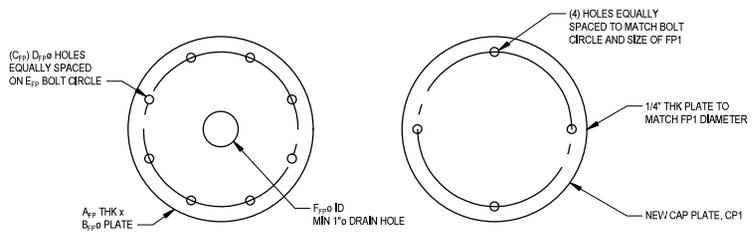
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EXTENSION DETAILS

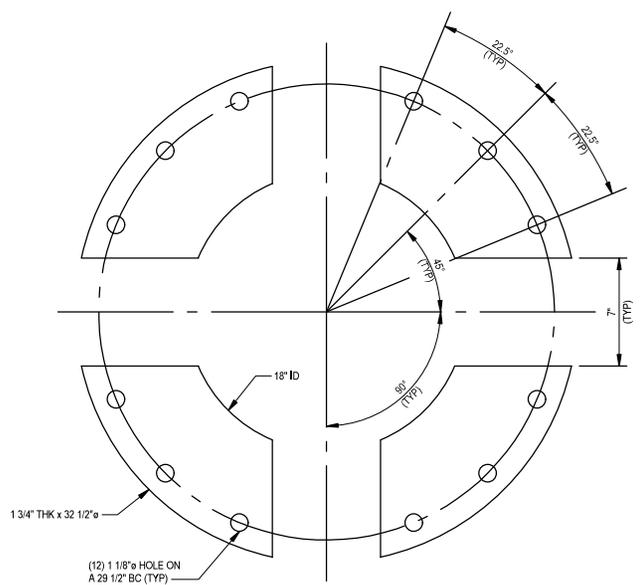
S-3



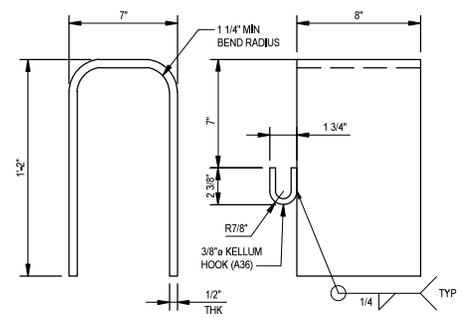
EXTENSION PIPE MK~P1
 ASTM A53 GR B (Fy = 35 KSI)



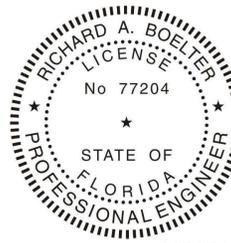
FLANGE PLATE									
PART #	ELEVATION	QTY	MAT'L SPEC	A_{FP} (IN)	B_{FP} (IN)	C_{FP}	D_{FP} (IN)	E_{FP} (IN)	F_{FP} ϕ (IN)
FP1	150'-0"	1	ASTM A36	1 1/2	32 1/2	16	1 1/8	29 1/2	18



FLANGE PLATE MK~FP2
 (1 REQUIRED) (Fy = 50 KSI)



MOUSE HOLE FRAME MK~MF1
 (Fy = 36 KSI)

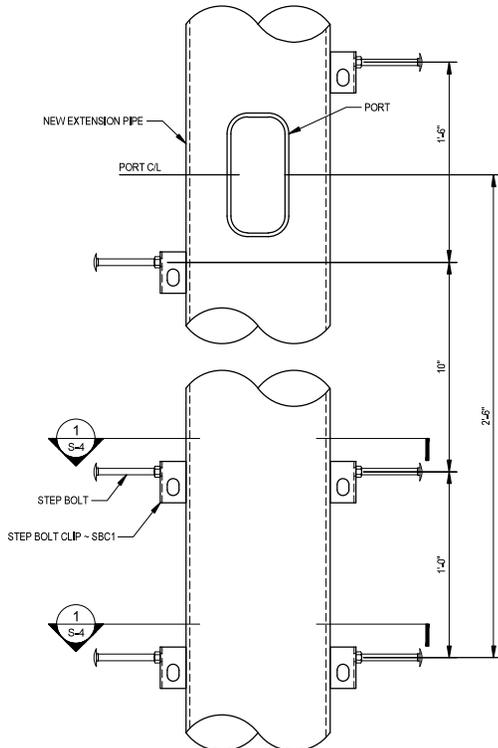


04/23/2024

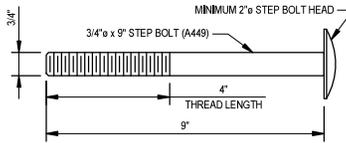
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REV	DATE	DESCRIPTION

V1.0.22724-0007,001.DWG



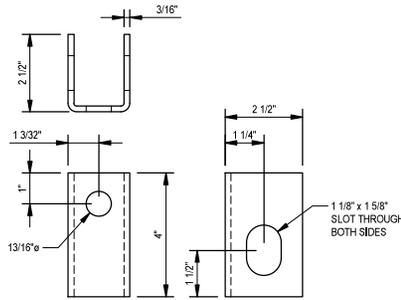
STEP BOLT LAYOUT WITH PORT



STEP BOLT

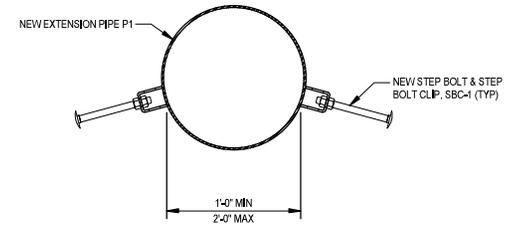
NOTES:

1. CONTRACTOR SHALL USE ALL NEW STEP BOLTS AND HARDWARE.
2. CENTER TO CENTER STAGGERED SPACINGS SHOULD BE MATCHED TO EXISTING FIELD CONDITIONS. STAGGERED SPACING SHALL BE A MINIMUM OF 10" AND MAXIMUM OF 16" IN THE VERTICAL DIRECTION.
3. HORIZONTAL SPREAD IS NOT TO EXCEED 24".
4. STEP BOLTS MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM A449 AND SHALL BE TESTED AS FINISHED STEP BOLTS AT TEST FREQUENCY P (PIECE TESTING) OF ASTM A673 TO MEET MINIMUM ABSORBED ENERGY REQUIREMENT AT -20 DEGREES F (28 DEGREES C) OF 15 FT-LBS (20 J) AVERAGE FOR 3 SPECIMENS AND A MINIMUM OF 12 FT-LBS (16 J) FOR ANY ONE SPECIMEN IN ACCORDANCE WITH ASTM A370.



STEP BOLT CLIP ~ SBC1

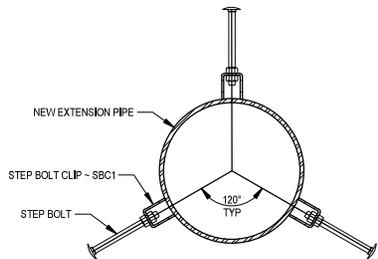
(A572 GR 50)



SAFETY CLIMB & STEP BOLT LAYOUT

NOTE:

CONTRACTOR SHALL COORDINATE LOCATIONS OF EXISTING STEP BOLTS WITH NEW EXTENSION PRIOR TO FABRICATION. CONTRACTOR SHALL COORDINATE SOLUTION WITH OWNER PRIOR TO FABRICATION. THE NEW SYSTEM SHALL BE CROWN APPROVED PRIOR TO CONSTRUCTION.



STEP BOLT LAYOUT

1
S-4

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PAUL J. FORD & COMPANY
 250 E Broad St, Ste 600
 Columbus, OH 43215
 Phone 614.221.6979
 www.pauljford.com



5000301346: FL ATC FOREST LAKE
 ALTAMONTE SPRINGS, FLORIDA
 EXISTING 135'-0" MONOPOLE WITH PROPOSED 15'-0" EXTENSION

PROJECT No:	22724-0007,001,7700
DRAWN BY:	TAN
DESIGNED BY:	TJD
CHECKED BY:	RAT
DATE:	4/19/2024



04/23/2024

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EXTENSION DETAILS

S-4

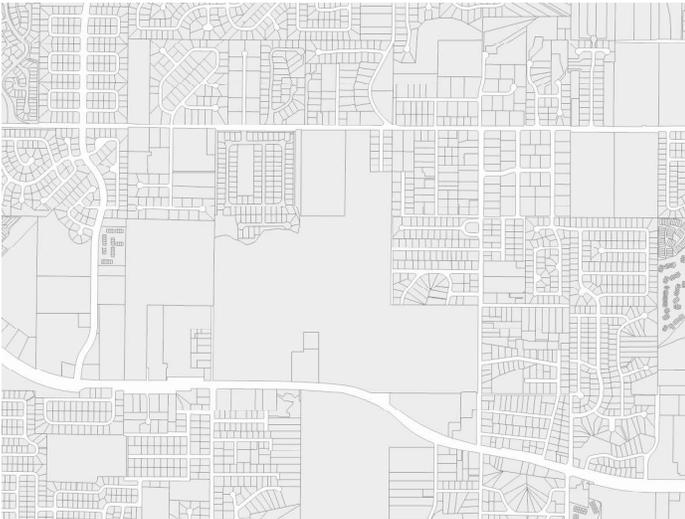
REV	DATE	DESCRIPTION
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Property Record Card



Parcel: 08-21-29-300-0110-0000
Property Address: 500 EDUCATION LOOP APOPKA, FL 32703
Values: 2024 Market \$33,269,137 Assessed \$33,269,137
Owners: FLA CONFERENCE ASSN OF SEVENTH-DAY ADVENTISTS

Parcel Location



Site View



Parcel Information

Parcel	08-21-29-300-0110-0000
Property Address	500 EDUCATION LOOP APOPKA, FL 32703
Mailing Address	351 S STATE ROAD 434 ALTAMONTE SPG, FL 32714-3824
Subdivision	
Tax District	01:County Tax District
DOR Use Code	71:Churches
Exemptions	36-CHURCH/RELIGIOUS(2007)
AG Classification	No

Value Summary

	2024 Working Values	2023 Certified Values
Valuation Method	Cost/Market	Cost/Market
Number of Buildings	23	23
Depreciated Building Value	\$12,227,363	\$12,632,408
Depreciated Other Features	\$386,870	\$329,489
Land Value (Market)	\$20,654,904	\$20,654,904
Land Value Agriculture	\$0	\$0
Market Value	\$33,269,137	\$33,616,801
Portability Adjustment	\$0	\$0
Save Our Homes Adjustment/Maximum Portability	\$0	\$0
P&G Adjustment	\$0	\$0
Non-Hx 10% Cap (AMD 1)	\$0	\$0
Assessed Value	\$33,269,137	\$33,616,801

2023 Certified Tax Summary

Tax Amount w/o Exemptions	\$447,372.39
Tax Bill Amount	\$0.00
Tax Savings with Exemptions	\$447,372.39

Owner(s)

Name - Ownership Type

FLA CONFERENCE ASSN OF SEVENTH-DAY
ADVENTISTS

Note: Does NOT INCLUDE Non Ad Valorem Assessments

Legal Description

SEC 08 TWP 21S RGE 29E
S 1/2 OF NW 1/4 (LESS E 1/8 OF N
1/2 & W 660 FT OF E 1390 FT & RD ON
N) & SW 1/4 N OF SR 436 & SW 1/4 OF
SE 1/4 (LESS E 20 FT FOR RD & BEG W 1/4 COR
RUN N 1374.36 FT E 1193.75 FT S 1153.92 FT E
22.77 FT SLY ON CURVE 406.12 FT N 67 DEG 03
MIN 32 SEC W 140.70 FT W 99.05 FT N 79 DEG
55 MIN 50 SEC W 65.55 FT S 80 DEG 33 MIN 30
SEC W 138.10 FT S 87 DEG 46 MIN 19 SEC W
73.95 FT S 39 DEG 05 MIN 59 SEC W 227.39 FT
S 69 DEG 49 MIN 38 SEC W 86.67 FT S 77 DEG
36 MIN 35 SEC W 29.82 FT N 80 DEG 40 MIN 35
SEC W 22.96 FT N 59 DEG 15 MIN 30 SEC W
90.61 FT N 72 DEG 42 MIN 36 SEC W 111.22 FT
N 52 DEG 58 MIN 49 SEC W 57.36 FT N 74 DEG
53 MIN 53 SEC W 69.28 FT S 81 DEG 18 MIN 34
SEC W 80.89 FT S 74 DEG 17 MIN 53 SEC W
93.24 FT N 241.41 FT TO BEG) & E
1/2 OF NW 1/4 OF 17-21-29 N OF SR
436 (LESS TENANT DUPLEXES & 4.55
ACRES OF LAND & TENANT WAREHOUSE &
1.4 ARCRES OF LAND & PT PLATTED FOREST
LAKE COMMERCIAL)

Taxes

Taxing Authority	Assessed	Exempt Amount	Taxable
COUNTY GENERAL FUND	\$33,269,137	\$33,269,137	\$0
Schools	\$33,269,137	\$33,269,137	\$0
FIRE	\$33,269,137	\$33,269,137	\$0
ROAD DISTRICT	\$33,269,137	\$33,269,137	\$0
SJWM(Saint Johns Water Management)	\$33,269,137	\$33,269,137	\$0

Sales

Deed Type	Date	Sale Amount	Book / Page	Sale Type	Qualified?
QUIT CLAIM DEED	7/1/2007	\$100	06941/1625	Improved	No

Land

Units	Rate	Assessed	Market
94.90 Acres	\$62,969.50/Acre	\$5,975,806	\$5,975,806
48.30 Acres	\$299,231.06/Acre	\$14,452,860	\$14,452,860

71.40 Acres

\$572.45/Acre

\$40,873

\$40,873

1 Lot

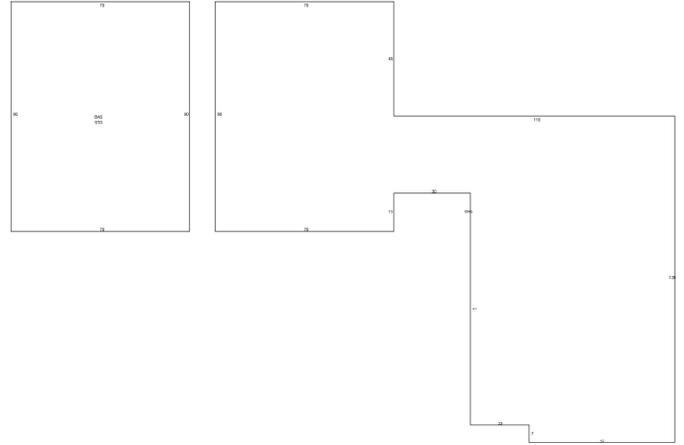
\$185,365.03/Lot

\$185,365

\$185,365

Building Information	
#	1
Use	MASONRY PILASTER .
Year Built*	1985
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	23579
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$1,964,878
Assessed	\$1,119,980

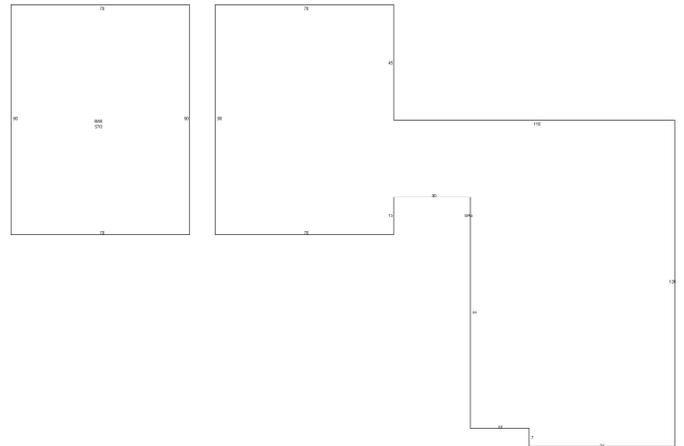
* Year Built = Actual / Effective



Building 1

Building Information	
#	2
Use	MASONRY PILASTER .
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	25444
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$2,775,357
Assessed	\$1,110,143

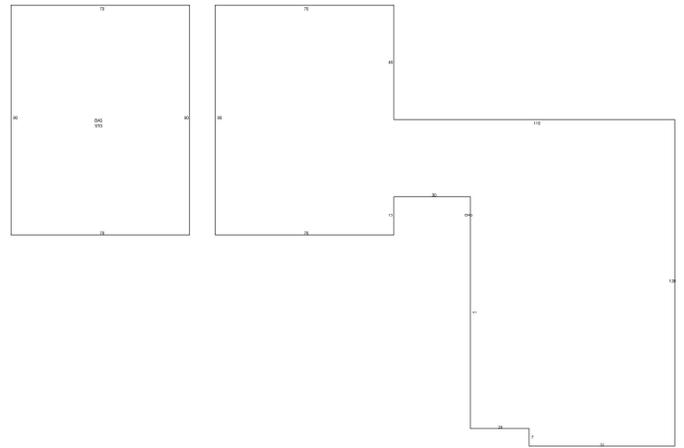
* Year Built = Actual / Effective



Building 2

Building Information	
#	3
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	26718
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$2,916,884
Assessed	\$1,166,754

* Year Built = Actual / Effective

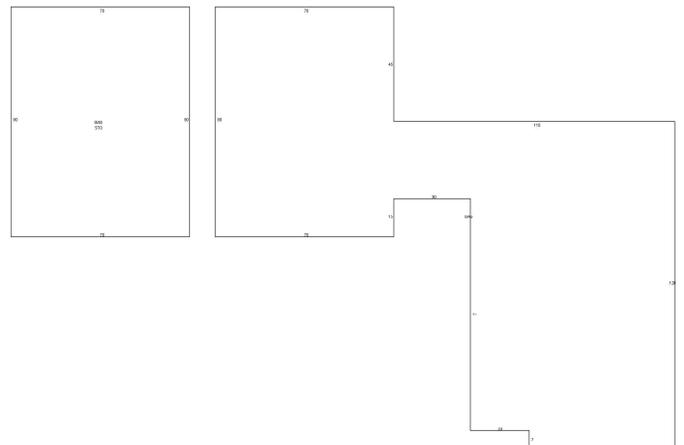


Building 3

Appendages	
Description	Area (ft ²)
OPEN PORCH FINISHED	429
UTILITY UNFINISHED	1320

Building Information	
#	4
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	16378
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$1,830,651
Assessed	\$732,260

* Year Built = Actual / Effective

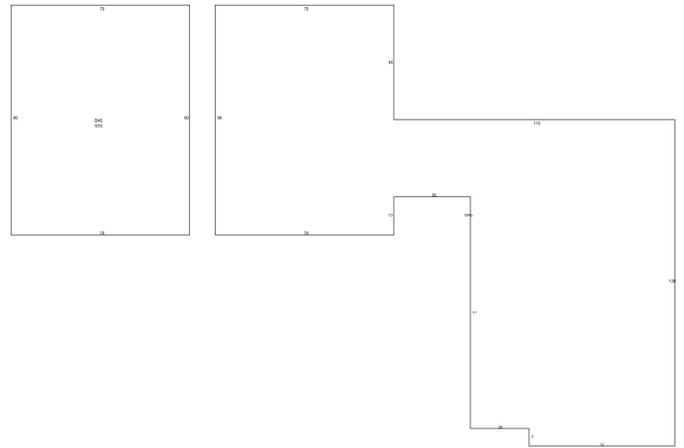


Building 4

Appendages	
Description	Area (ft ²)
OPEN PORCH FINISHED	938

Building Information	
#	5
Use	MASONRY PILASTER
Year Built*	1963
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	19860
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$2,059,211
Assessed	\$823,684

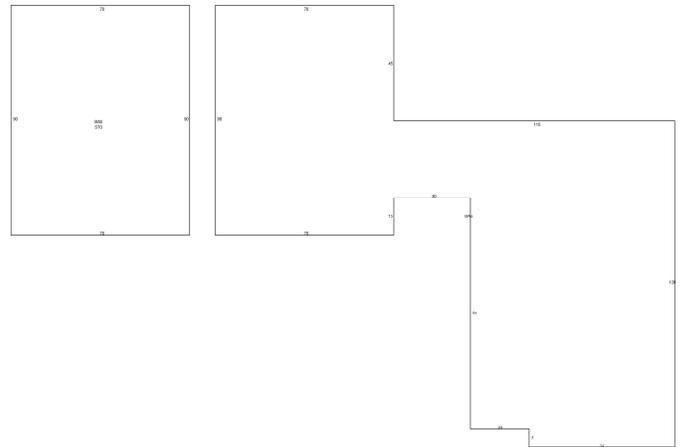
* Year Built = Actual / Effective



Building 5

Building Information	
#	6
Use	MASONRY PILASTER
Year Built*	1963/1970
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	27625
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$2,955,847
Assessed	\$1,182,339

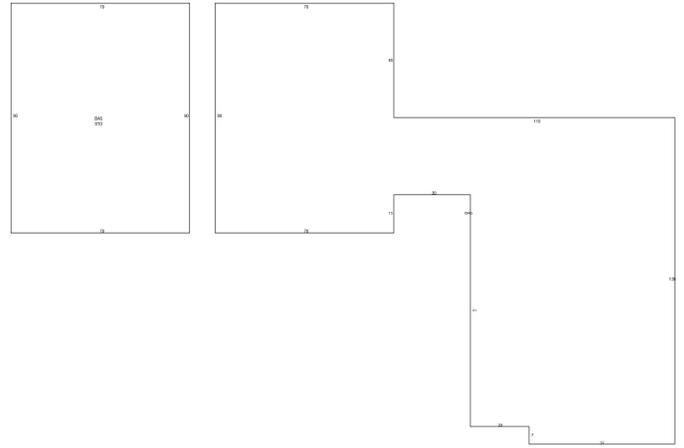
* Year Built = Actual / Effective



Building 6

Building Information	
#	7
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	2025
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$253,378
Assessed	\$101,351

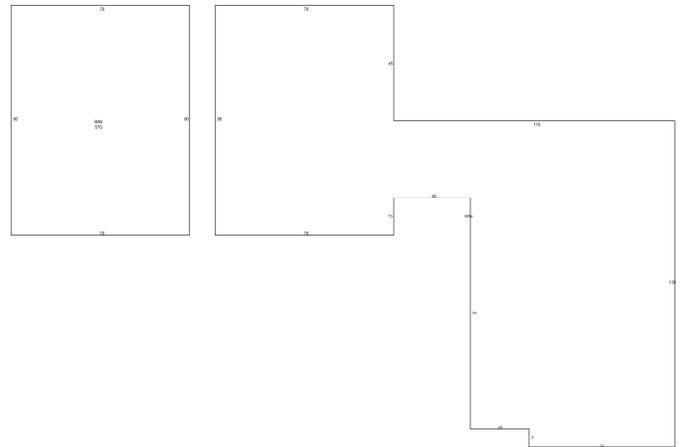
* Year Built = Actual / Effective



Building 7

Building Information	
#	8
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	2025
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$253,378
Assessed	\$101,351

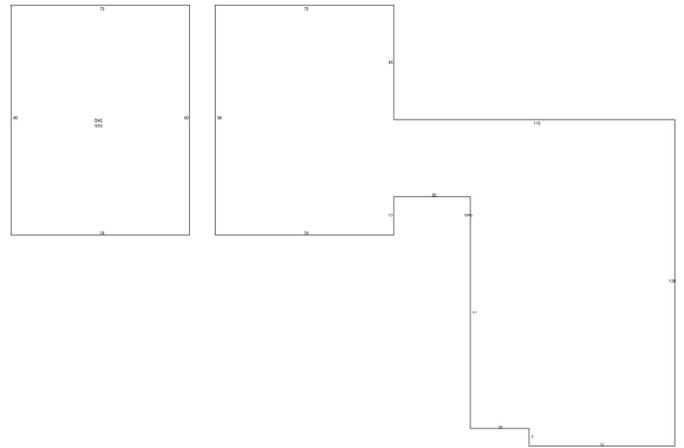
* Year Built = Actual / Effective



Building 8

Building Information	
#	9
Use	MASONRY PILASTER
Year Built*	1963
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	43631
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$4,643,872
Assessed	\$1,857,549

* Year Built = Actual / Effective

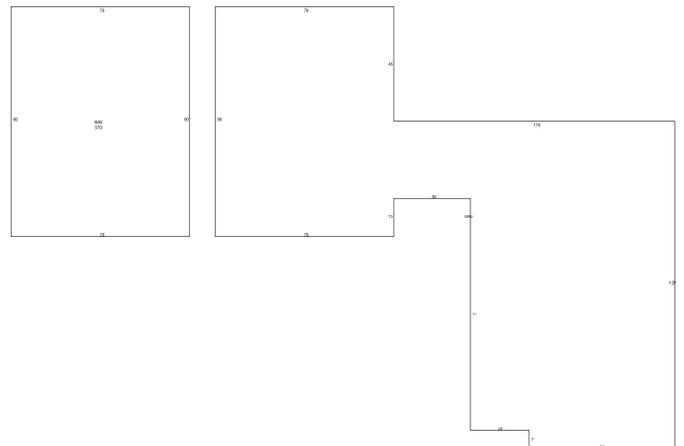


Building 9

Appendages	
Description	Area (ft ²)
CARPORT UNFINISHED	576
OPEN PORCH FINISHED	1640
UTILITY UNFINISHED	1200

Building Information	
#	10
Use	MASONRY PILASTER
Year Built*	1963
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	5640
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$914,425
Assessed	\$365,770

* Year Built = Actual / Effective



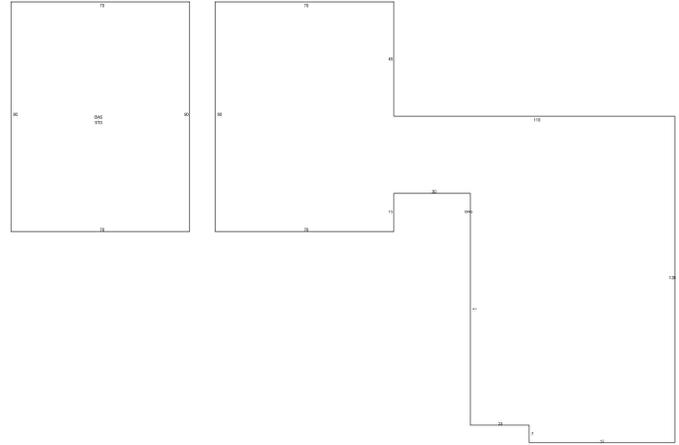
Building 10

Appendages	
Description	Area (ft ²)
CARPORT UNFINISHED	480

OPEN PORCH FINISHED	576
OPEN PORCH UNFINISHED	234
UTILITY FINISHED	3640
UTILITY FINISHED	2880
UTILITY FINISHED	3068

Building Information	
#	11
Use	MASONRY PILASTER .
Year Built*	1955
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	2353
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$711,625
Assessed	\$284,650

* Year Built = Actual / Effective

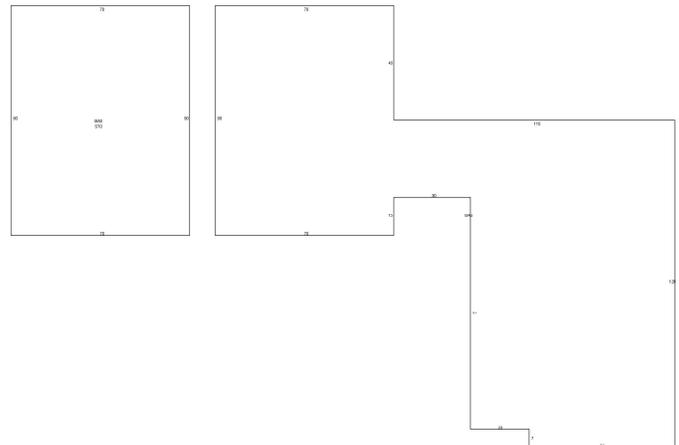


Building 11

Appendages	
Description	Area (ft ²)
GARAGE FINISHED C.B.S.	11417
OPEN PORCH UNFINISHED	560

Building Information	
#	12
Use	MASONRY PILASTER .
Year Built*	1974
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	3324
Total Area (ft ²)	
Constuction	CONCRETE BLOCK-STUCCO - MASONRY
Replacement Cost	\$690,400
Assessed	\$276,160

* Year Built = Actual / Effective



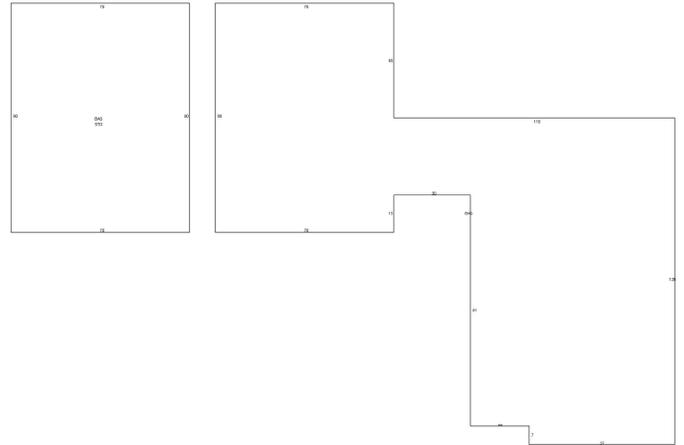
Building 12

Appendages

Description	Area (ft ²)
BASE SEMI FINISHED	5302
CARPORT FINISHED	690
OPEN PORCH FINISHED	209

Building Information

#	13
Use	MASONRY PILASTER
Year Built*	1965/1975
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	540
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$109,430
Assessed	\$45,961



Building 13

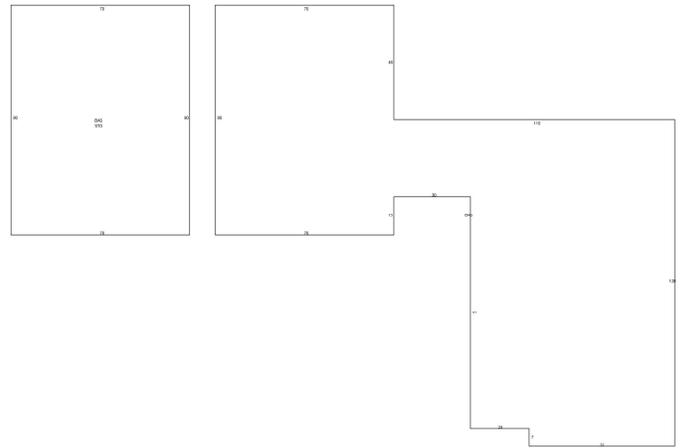
* Year Built = Actual / Effective

Appendages

Description	Area (ft ²)
GARAGE DETACHED C.B.S.	624
OPEN PORCH FINISHED	32

Building Information	
#	14
Use	MASONRY PILASTER
Year Built*	1965/1975
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	540
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$86,009
Assessed	\$36,124

* Year Built = Actual / Effective

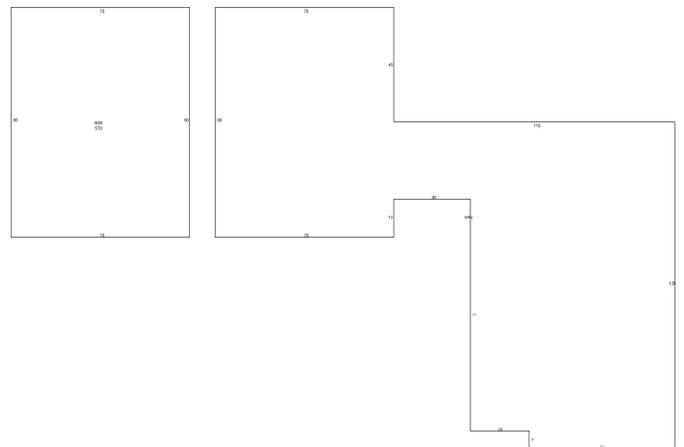


Building 14

Appendages	
Description	Area (ft ²)
OPEN PORCH FINISHED	32
OPEN PORCH UNFINISHED	54
OPEN PORCH UNFINISHED	18
UTILITY FINISHED	36

Building Information	
#	15
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	1776
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$192,388
Assessed	\$76,955

* Year Built = Actual / Effective

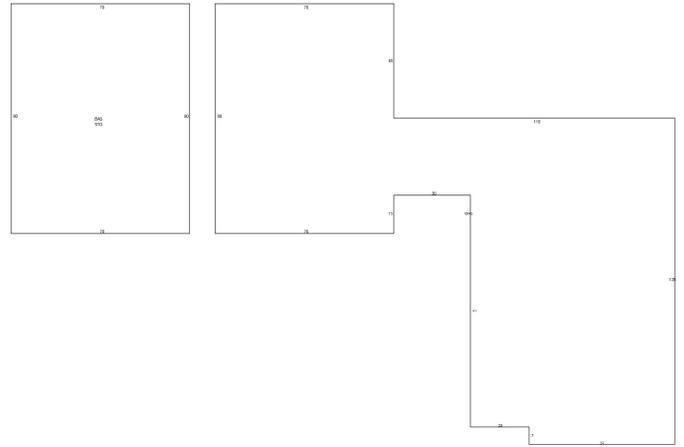


Building 15

Appendages	
Description	Area (ft ²)

Building Information	
#	16
Use	STEEL/PRE ENGINEERED.
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	6816
Total Area (ft ²)	
Constuction	METAL PREFINISHED
Replacement Cost	\$732,875
Assessed	\$293,150

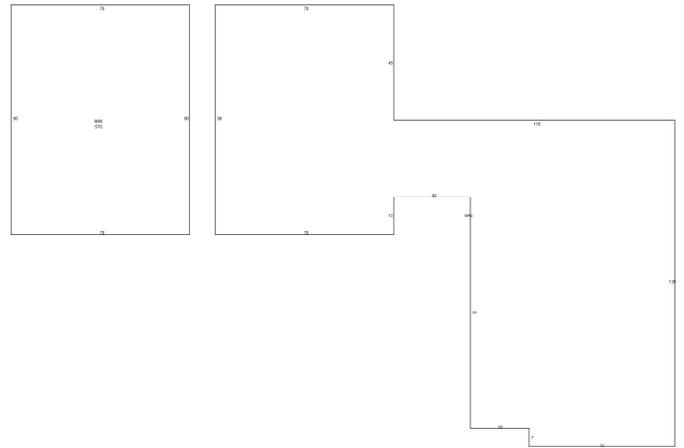
* Year Built = Actual / Effective



Building 16

Building Information	
#	17
Use	MASONRY PILASTER .
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	17710
Total Area (ft ²)	
Constuction	CONCRETE BLOCK - MASONRY
Replacement Cost	\$2,072,560
Assessed	\$829,024

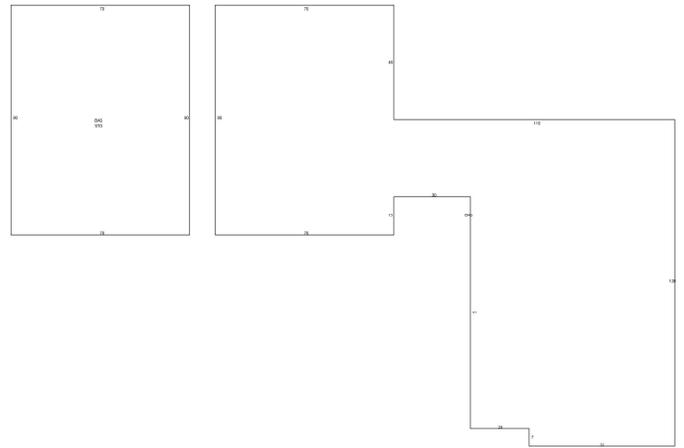
* Year Built = Actual / Effective



Building 17

Building Information	
#	18
Use	MASONRY PILASTER
Year Built*	1965
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	2056
Total Area (ft ²)	
Constuction	METAL PREFINISHED
Replacement Cost	\$483,102
Assessed	\$193,241

* Year Built = Actual / Effective



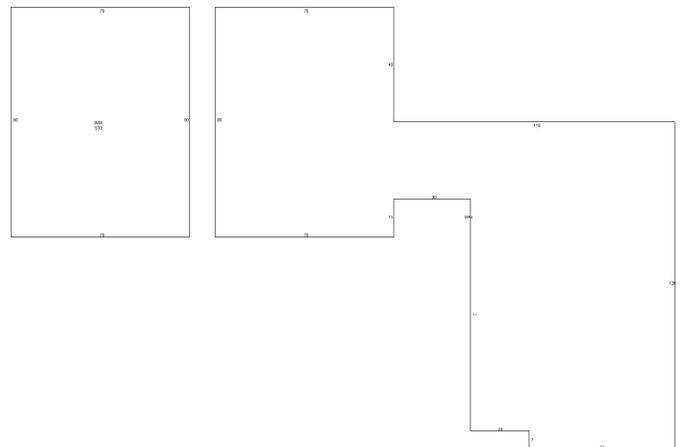
Building 18

Appendages

Description	Area (ft ²)
BASE SEMI FINISHED	5440

Building Information	
#	19
Use	MASONRY PILASTER
Year Built*	1977
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	5500
Total Area (ft ²)	
Constuction	CONCRETE BLOCK-STUCCO - MASONRY
Replacement Cost	\$620,172
Assessed	\$282,178

* Year Built = Actual / Effective



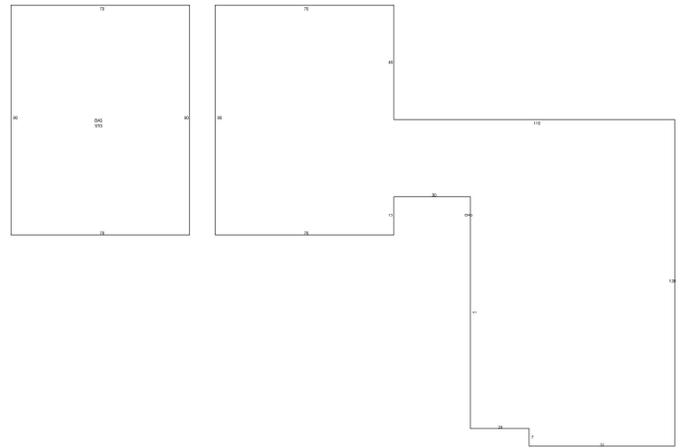
Building 19

Appendages

Description	Area (ft ²)
OPEN PORCH FINISHED	138

Building Information	
#	20
Use	MASONRY PILASTER
Year Built*	1979
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	5500
Total Area (ft ²)	
Constuction	CONCRETE BLOCK-STUCCO - MASONRY
Replacement Cost	\$859,664
Assessed	\$416,937

* Year Built = Actual / Effective

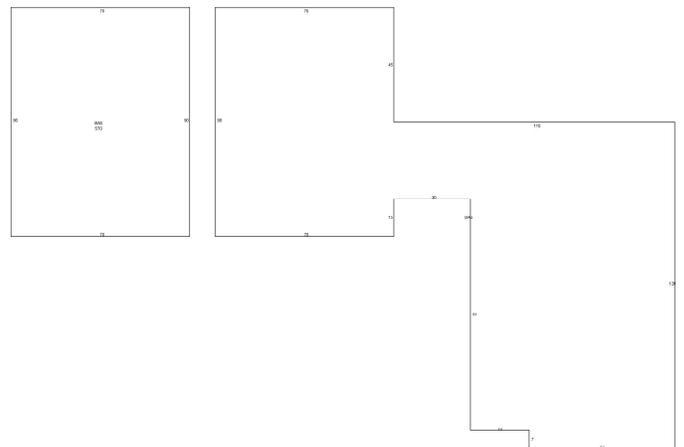


Building 20

Appendages	
Description	Area (ft ²)
BASE SEMI FINISHED	4732
GARAGE FINISHED C.B.S.	768
OPEN PORCH FINISHED	138

Building Information	
#	21
Use	MULTIFAMILY
Year Built*	1965/1975
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	1785
Total Area (ft ²)	
Constuction	CONCRETE BLOCK-STUCCO - MASONRY
Replacement Cost	\$276,050
Assessed	\$198,756

* Year Built = Actual / Effective



Building 21

Appendages	
Description	Area (ft ²)

OPEN PORCH FINISHED

340

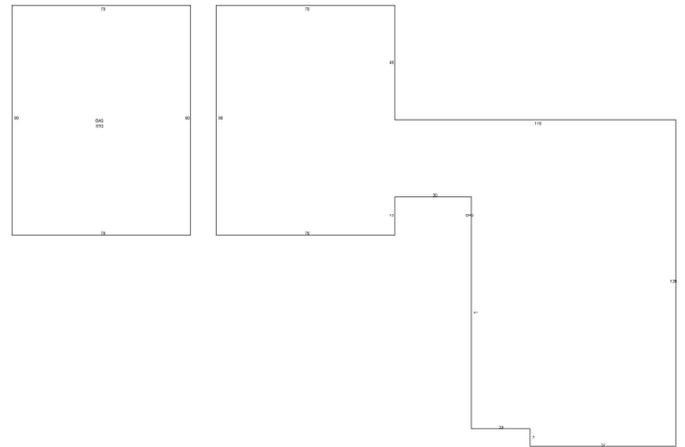
UTILITY UNFINISHED

364

UTILITY UNFINISHED

364

Building Information	
#	22
Use	MULTIFAMILY
Year Built*	1965/1975
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	2184
Total Area (ft ²)	
Constuction	CONCRETE BLOCK-STUCCO - MASONRY
Replacement Cost	\$321,058
Assessed	\$231,162

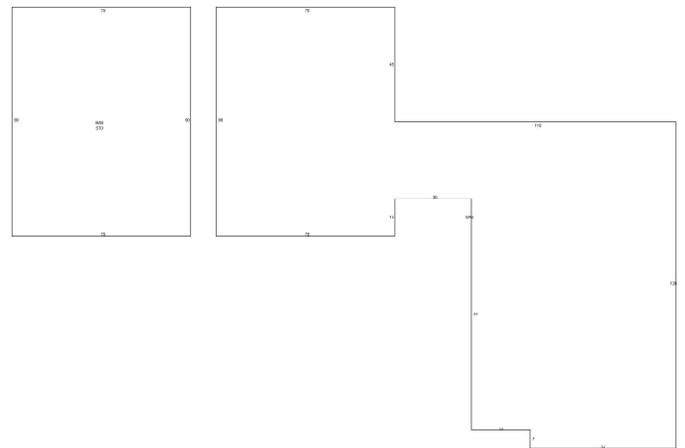


Building 22

* Year Built = Actual / Effective

Appendages	
Description	Area (ft ²)
OPEN PORCH FINISHED	416

Building Information	
#	23
Use	MASONRY PILASTER
Year Built*	1986
Bed	
Bath	
Fixtures	0
Base Area (ft ²)	7341
Total Area (ft ²)	
Constuction	BRICK COMMON - MASONRY
Replacement Cost	\$861,603
Assessed	\$501,884



Building 23

* Year Built = Actual / Effective

Appendages	
Description	Area (ft ²)

Permits				
Permit #	Description	Value	CO Date	Permit Date
06263	531 HARLEY LESTER LN: REROOF COMMERCIAL-Church Gift and Thrift Store	\$34,265		5/3/2024
17536	2735 SAND LAKE RD: ALTERATION COMMERCIAL-	\$85,560		3/6/2024
00208	2735 SAND LAKE RD: GAS - COMMERCIAL-	\$0		1/10/2024
12592	2735 SAND LAKE RD: FENCE/WALL COMMERCIAL-Fence	\$31,866		9/2/2022
00879	2735 SAND LAKE RD: WINDOW / DOOR REPLACEMENT-	\$19,991		8/1/2022
03277	631 SELF ESTEEM WAY: CELL TOWER-cell tower equipment upgrade	\$30,000		7/1/2022
02683	631 SELF ESTEEM WAY: CELL TOWER-Cell Tower	\$20,000		3/4/2022
17401	631 SELF ESTEEM WAY: CELL TOWER- Preexisting Dish Cellular Tower	\$25,000		1/25/2022
22704	624 CAMPUS LOOP: DEMO COMMERCIAL BLDGS/STRUCTURES-Pool/ Pump House	\$27,000	1/18/2022	12/17/2021
22708	625 CAMPUS LOOP: DEMO COMMERCIAL BLDGS/STRUCTURES-Hotel DEMO	\$9,000	1/18/2022	12/17/2021
22706	3932 DIRECTIONS LN: DEMO COMMERCIAL BLDGS/STRUCTURES-Hotel	\$7,000	1/18/2022	12/17/2021
22410	3932 DIRECTIONS LN: PLUMBING - COMMERCIAL-	\$1,350		12/8/2021
22406	625 CAMPUS LOOP: PLUMBING - COMMERCIAL-	\$1,350		12/7/2021
17104	500 EDUCATION LOOP: ALTERATION COMMERCIAL-	\$403,953	8/12/2022	12/1/2021
18400	2735 SAND LAKE RD: SIGN (POLE,WALL,FACIA)-ground sign 32 SF	\$47,988		10/25/2021
18299	515 HARLEY LESTER LN: REROOF COMMERCIAL-CONCRETE BLOCK	\$41,600		9/29/2021
16390	617 CAMPUS LOOP: DEMO COMMERCIAL BLDGS/STRUCTURES	\$41,100	10/6/2021	9/14/2021
16623	617 CAMPUS LOOP: PLUMBING - COMMERCIAL-metal building	\$1,050		8/31/2021
03030	631 SELF ESTEEM WAY: CELL TOWER- Existing communications Tower	\$20,000		8/2/2021
07429	515 HARLEY LESTER LN: ADDITION TO COMMERCIAL STRUCTURE-Portico	\$214,768	12/22/2021	7/7/2021
01266	631 SELF ESTEEM WAY: OTHER BUILDING COMMERCIAL-REMODEL EQUIPMENT SHELTER CC	\$65,000		4/8/2021
01639	631 SELF ESTEEM WAY: ELECTRIC - GENERATOR-generator	\$10,000		3/22/2021
02578	631 SELF ESTEEM WAY: ELECTRICAL - COMMERCIAL-A2E0627A Power Upgrade Electric Plans	\$7,000		3/10/2021

12932	609 CAMPUS LOOP: MECHANICAL - COMMERCIAL-Install New AC in Industrial Art Bldg	\$125,000	5/3/2021	12/28/2020
21104	609 CAMPUS LOOP: ELECTRICAL - COMMERCIAL-	\$2,000		12/28/2020
19908	609 CAMPUS LOOP: ELECTRICAL - COMMERCIAL-	\$1,800		12/22/2020
01290	594 CAMPUS LOOP: ALTERATION COMMERCIAL-STAGE/PLATFORM AND SEATING LEVEL 1 ALT	\$10,000	10/6/2020	7/7/2020
15145	631 SELF ESTEEM WAY: CELL TOWER-ADD ANTENNAS	\$30,000	6/11/2020	4/15/2020
17230	2735 SAND LAKE RD: OTHER BUILDING COMMERCIAL-8x12 Modular storage shed	\$2,450		1/16/2020
10580	500 EDUCATION LOOP: REROOF COMMERCIAL-	\$54,600		8/9/2019
10579	510 EDUCATION LOOP: REROOF COMMERCIAL-	\$30,300		8/7/2019
10578	594 CAMPUS LOOP: REROOF COMMERCIAL-AUDITORIUM	\$153,700		8/2/2019
10575	624 CAMPUS LOOP: REROOF COMMERCIAL-	\$44,500		8/1/2019
20189	631 SELF ESTEEM WAY: GENERATOR-GENERATOR ON NEW SLAB	\$25,000	7/17/2019	3/27/2019
02796	500 EDUCATION LOOP: PLUMBING - COMMERCIAL	\$1,498		3/6/2019
00060	631 SELF ESTEEM WAY: CELL TOWER-ADD ANNTENAS	\$70,036	4/1/2020	1/24/2019
16897	515 HARLEY LESTER LN: PLUMBING - COMMERCIAL	\$3,500		10/25/2018
02626	SITE LIGHTING- 515 HARLEY LESTER LN	\$160,000		7/30/2018
06846	531 HARLEY LESTER LN: STRUCTURES OTHER THAN BUILDINGS-TEMP OFFICE TRAILER	\$2,500		6/22/2018
13851	CHURCH & CLASS ROOM ADDITION- 515 HARLEY LESTER LN	\$6,500,000	8/19/2019	6/14/2018
01917	CELL TOWER- 631 SELF ESTEEM WAY	\$30,000	3/11/2019	4/9/2018
03923	REROOF- 632 CAMPUS LOOP	\$40,460		3/2/2018
17989	REROOF - 500 EDUCATION LOOP	\$120,000		12/19/2017
15891	CELL TOWER- 631 SELF ESTEEM WAY	\$2,500		11/14/2017
08814	ELECTRIC - 635 SELF ESTEEM WAY	\$1,995		6/27/2017
08223	PLUMBING - 635 SELF ESTEEM WAY	\$2,205		6/15/2017
06608	REROOF INDUSTRIAL ARTS BUILDING - 609 CAMPUS LOOP	\$66,634		6/14/2017
03361	TENANT IMPROVEMENT - INSTALL NEW FIRE ALARM SYSTEM - 635 SELF ESTEEM WAY	\$10,426		6/14/2017
05089	COMMUNICATION TOWER - 631 SELF ESTEEM WAY	\$21,500		4/19/2017
02107	REROOF - 537 HARLEY LESTER LN	\$23,900		2/20/2017
14160	TENANT IMPROVEMENTS - HOPE CLINIC - CHANGE OF OCCUPANCY - 635 SELF ESTEEM EAY	\$448,700	9/7/2017	12/8/2016
09854	HOOD SYSTEM - 612 CAMPUS LOOP	\$2,400		8/22/2016

05438	CELL TOWER UPGRADES - INSTALL CBINETS & COAX - 631 SELF ESTEEM WAY	\$10,000		5/11/2016
00718	CELL TOWER UPGRADES - MASTEC NETWORK SOLUTIONS LLC - 631 SELF ESTEEM WAY	\$20,000		1/22/2016
06291	CELL TOWER ANTENNA	\$21,000		7/22/2015
11984	REROOF - 601 CAMPUS LOOP	\$227,581		12/9/2014
11243	12' X 26' METAL ACCESSORY STRUCTURE - 539 HARLEY LESTER LN	\$4,680		11/17/2014
05807	INSTALLATION OF FIRE ALARM FOR 3 NEW HVAC SYSTEMS	\$9,500		6/12/2014
04522	INSTALL 12' X 21' METAL STRUCTURE - 539 HARLEY LESTER LN	\$3,780		5/14/2014
04355	AT&T - REPLACING ANTENNAS & ADDING RADIOS TO EXISTING TOWER SITE - 631 SELF ESTEEM WAY	\$50,000		5/9/2014
02916	MECHANICAL	\$700,000		4/3/2014
02082	ADD ANTENNAS TO EXISTING CELL TOWER/SPRINT	\$25,000		3/10/2014
06379	LOW VOLTAGE FOR CABLING - 500 EDUCATION LOOP	\$1,000		7/29/2013
06298	INSTALL LOW VOLTAGE WIRING FOR ACCESS CONTROL SYSTEM	\$39,690		7/25/2013
05017	ANTENNA REPLACEMENT - 631 SELF ESTEEM WAY	\$12,500		6/17/2013
04963	ELECTRICAL - 500 EDUCATION LOOP	\$1,800		6/14/2013
04997	INSTALL NEW FIRE ALARM SYSTEM IN TENANT SPACE - 601 CAMPUS LOOP	\$38,200		6/14/2013
04777	ADDING WIRELESS RADIO TO FACP FOR FIRE ALARM	\$972		6/11/2013
03465	07/30/2013 02:53:39 PM Created by: Kim Permit Key 12013050203465 was added!	\$7,843		5/2/2013
02540	INTERIOR ALTERATION - 500 EDUCATION LOOP	\$5,000		4/8/2013
02150	ELECTRICAL - 537 HARLEY LESTER LN	\$31,000		3/26/2013
01768	MOVE 4 LIGHT POLES - 500 EDUCATION LOOP	\$5,000		3/12/2013
01357	INSTALLING LOW VOLTAGE PAGING SYSTEM - FL HOSPITAL LAUNDRY FACILITY	\$9,905		2/26/2013
01324	CELL TOWER ANTENNAS FOR T-MOBILE - 631 SELF ESTEEM WAY	\$25,000		2/25/2013
01195	CONCRETE RETAINING WALL & HANDRAIL - FL HOSPITAL LAUNDRY	\$23,000		2/20/2013
09190	SITE LIGHTING	\$22,000		12/12/2012
08690	FOUNDATION ONLY	\$515,000		11/21/2012
08406	FIRE SPRINKLER SYSTEM INSTALLATION	\$60,000		11/8/2012
08219	BUILD A NEW STATE OF THE ART LAUNDRY PROCESSING PLANT	\$6,585,000	8/1/2013	10/31/2012
07352	DEMOLISH 1 WAREHOUSE, 3 SMALL BLDGS, & LARGE BLDG - 3940 DIRECTIONS LN	\$20,000		9/27/2012

06022	CELL TOWER EQUIPMENT - 631 SELF ESTEEM WAY	\$30,000	8/8/2012
05921	ANTENNAS REPLACED ON CELL TOWER - 631 SELF ESTEEM WAY	\$30,000	8/6/2012
05430	RE-BUILD ENTRANCE AREA	\$26,000	7/19/2012
02154	ADD WIRELESS RADIO FOR FIRE ALARM MONITORING - 601 CAMPUS LOOP	\$868	3/23/2012
01322	REROOF - 625 CAMPUS LOOP	\$6,560	2/28/2012
00656	REPLACE 3 EXISTING ANTENNAS W/3 NEW ANTENNAS - T-MOBILE - 631 SELF ESTEEM WAY	\$9,100	1/31/2012
00286	REROOF - 2735 SAND LAKE RD	\$65,000	1/13/2012
06815	ELECTRICAL; PAD PER PERMIT 631 SELF ESTEEM WAY	\$1,000	8/23/2011
05518	INSTALLING FIRE ALARM SYSTEM; PAD PER PERMIT 500 EDUCATION LOOP	\$1,086	7/8/2011
05516	INSTALLING FIRE ALARM SYSTEM; PAD PER PERMIT 632 CAMPUS LOOP	\$1,086	7/8/2011
05357	ANTENNAS ON EXISTING TOWER - 631 SELF ESTEEM WAY	\$91,300	7/1/2011
05214	INSTALLING FIRE ALARM SYSTEM IN EXISTING BUILDING - 2735 SAND LAKE RD	\$10,925	6/27/2011
03265	ALUMINUM ROOF AWNING; PAD PER PERMIT 530 HARLEY LESTER LN	\$1,600	4/28/2011
02973	MOVE EXISTING 100 AMP METER W/NEW POLE; PAD PER PERMIT 627 SELF ESTEEM WAY	\$1,000	4/21/2011
02054	INSTALL 13' X 30' ALUMINUM AWNING; PAD PER PERMIT 530 HARLEY LESTER LN	\$5,850	3/23/2011
01323	REROOF - 3932 DIRECTIONS LN	\$7,995	2/28/2011
09334	DUMPSTER ENCLOSURE; PAD PER PERMIT 515 HARLEY LESTER LN	\$4,900	12/3/2010
09092	REROOF; PAD PER PERMIT 632 CAMPUS LOOP	\$350,000	11/22/2010
08269	ELECTRICAL; PAD PER PERMIT 515 HARLEY LESTER LN	\$80,000	10/19/2010
05486	CHANGE OF USE; PAD PER PERMIT 635 SELF ESTEEM WAY	\$20,422	7/12/2010
09259	CELL TOWER; PAD PER PERMIT 631 SELF ESTEEM WAY	\$20,000	11/23/2009
08368	MECHANICAL; PAD PER PERMIT 612 CAMPUS LOOP	\$32,000	10/21/2009
07888	ELECTRICAL; PAD PER PERMIT 570 CAMPUS LOOP	\$4,890	10/2/2009
07129	REPLACE GENERATOR ON CELL TOWER; PAD PER PERMIT 639 SELF ESTEEM WAY	\$10,000	9/2/2009
05848	REROOF; PAD PER PERMIT 530 HARLEY LESTER LN	\$16,400	7/17/2009
05191	2 WALL SIGNS - CAMPUS LOOP	\$4,459	6/29/2009
04923	REROOF-PERMIT PAD 632 CAMPUS LOOP	\$130,000	6/18/2009
03311	WALL SIGN - PERMIT PAD 2735 SAND LAKE RD	\$4,200	4/30/2009
11731	DROP CEILING OVER BRICK WALL; PAD PER PERMIT 570 CAMPUS LOOP	\$16,309	12/2/2008

09824	ALUMINUM FENCE; PAD PER PERMIT 1379 W SR 436	\$90,000		9/24/2008
08820	DEMOLISH OLD BOY'S DORM; PAD PER PERMIT 640 CAMPUS LOOP	\$69,500		8/26/2008
07007	REPAIR DETERIORATING PLUMBING LINES & ASSOCIATED FIXTURES	\$60,000		6/30/2008
05024	REROOF; PAD PER PERMIT 635 SELF ESTEEM WAY	\$18,920		5/13/2008
04277	INSTALLING GENERATOR; PAD PER PERMIT 639 SELF ESTEEM WAY	\$11,000		4/23/2008
01017	INSTALL 8 CEILING SPEAKERS & CABLE TO CONNECT TO PHONE; PAD PER PERMIT 578 CAMPUS LOOP	\$1,386		1/31/2008
00951	187' X 5' ALUMINUM FENCE W/DOUBLE GATE & 258' X 6' VINYL CHAIN-LINK FENCE W/GATE; PAD PER PERMIT 1407 VIVALDI PL	\$8,500		1/29/2008
12488	ADD SUN SHADES TO THE EXTERIOR OF THE DORMITORY BUILDING; PAD PER PERMIT 578 CAMPUS LOOP	\$19,500		11/26/2007
12039	ELECTRICAL; PAD PER PERMIT 570 CAMPUS LOOP	\$2,350		11/8/2007
08899	INSTALL FIRE ALARM SYSTEM; PAD PER PERMIT 570 CAMPUS LOOP	\$750		8/8/2007
08545	INSTALL FIRE SPRINKLERS; PAD PER PERMIT 578 CAMPUS LOOP	\$34,000		8/1/2007
07986	INSTALL FIRE SPRINKLERS; PAD PER PERMIT 578 CAMPUS LOOP	\$7,200		7/20/2007
07588	INSTALL FIRE ALARM SYSTEM; PAD PER PERMIT 578 CAMPUS LOOP	\$35,700		7/11/2007
06583	RENOVATION; PAD PER PERMIT 3916 E SR 436	\$145,475		6/18/2007
05746	CELL TOWER; PAD PER PERMIT 639 SELF ESTEEM WAY	\$18,000		5/29/2007
05442	REROOF; PAD PER PERMIT 578 CAMPUS LOOP	\$86,850		5/21/2007
02779	INSTALL FIRE SPRINKLERS; PAD PER PERMIT 578 CAMPUS LOOP	\$67,342		3/19/2007
01546	REROOF	\$58,795		2/14/2007
12338	RENOVATION & EXPANSION OF DORMITORY; PAD PER PERMIT 578 CAMPUS LOOP	\$4,900,000	11/20/2007	11/1/2006
11547	REROOF; PAD PER PERMIT 3916 E SR 436	\$92,000		10/11/2006
11550	REROOF; PAD PER PERMIT 3912 E SR 436	\$160,000		10/11/2006
03418	REROOF CHURCH	\$39,650		3/28/2006
00343	GROUND SIGN; PAD PER PERMIT 3851 E SR 436	\$57,000		1/11/2006
14180	REROOF DUE TO HURRICANE DAMAGE; PAD PER PERMIT 631 SELF ESTEEM WAY	\$6,900		11/9/2004
14210	REROOF DUE TO HURRICANE DAMAGE; PAD PER PERMIT 583 CAMPUS LOOP	\$6,900		11/9/2004
02098	ADDING ANTENNAES TO EXISTING TOWER; PAD PER PERMIT 631 SELF ESTEEM WAY	\$10,000		2/26/2004
12101	INSTALL FIRE ALARM SYSTEM	\$1,358		10/28/2003

03589	INSTALL FIRE ALARM SYSTEM	\$1,358		4/1/2003
01784	MOVE MODULAR CLUBHOUSE TO ANOTHER LOCATION ON PROPERTY; PAD PER PERMIT 3898 FACULTY LN	\$35,000	6/3/2004	2/20/2003
08381	REROOF; PAD PER PERMIT 3903 FACULTY LN	\$2,400		8/1/2002
00116	PAD PER PERMIT; 629 SELF ESTEEM WAY INSTALL FIRE ALARM	\$400		1/1/2001
09506	FIRE PROTECTION; NEXTEL NORTHEAST EQUIPMENT SHELTER; PAD PER PERMIT 631 SELF ESTEEM WAY	\$36,900		10/19/2000
09525	FIRE PROTECTION; PAD PER PERMIT 631 SELF ESTEEM WAY	\$15,000		10/19/2000
09133	ELECTRIC WIRING; PAD PER PERMIT 3702 E SR 436	\$0		10/5/2000
08660	FOREST LAKE ACADEMY - AWNING; PAD PER PERMIT 591 SERVICE LN	\$1,200		9/20/2000
03871	INSTALL FIRE ALARM SYSTEM; PAD PER PERMIT 591 SERVICE LN	\$3,300		4/1/2000
02307	FOREST LAKE ACADEMY - DOUBLE WIDE MOD CLASS; PAD PER PERMIT 591 SERVICE LN	\$20,000		3/1/2000
10577	612 CAMPUS LOOP: REROOF COMMERCIAL-CAFETERIA	\$44,500		1/1/2000
10431	ELECTRIC WIRING; PAD PER PERMIT 631 SELF ESTEEM WAY	\$0		12/16/1999
08223	FIRE ALARM; PAD PER PERMIT 525 HARLEY LESTER LN	\$9,000		11/1/1999
07735	INSTALL PYRO CHEM FIRE SYSTEM; PAD PER PERMIT 525 HARLEY LESTER LN	\$1,300		9/1/1999
05558	STORAGE SHED; PAD PER PERMIT 629 SELF ESTEEM WAY	\$3,600		7/1/1999
04675	INSTALL FIRE SPRINKLER SYSTEM; 3801 SEMORAN BLVD E	\$28,660		6/1/1999
04042	YOUTH SERVICES BLDG; PAD PER PERMIT 535 HARLEY LESTER LN	\$103,000		5/1/1999
01231	SDA DORM 3-STORY REROOF; PAD PER PERMIT 3909 SEMORAN BLVD E	\$25,000		2/1/1999
09233	ELECT ROOM (SHED); PAD PER PERMIT 490 GOLF CT	\$1,200		11/1/1998
08054	MODULAR CLUB HOUSE; THE PRACTICE TEE/ORLANDO; PAD PER PERMIT 500 GOLF CT	\$2,499		10/1/1998
07395	128 SQ FT SHED; PAD PER PERMIT 611 CAMPUS LOOP	\$4,000	6/4/1999	9/1/1998
07522	FIRE ALARM; PAD PER PERMIT 599 CAMPUS LOOP	\$4,455		9/1/1998
05478	CHANGE-OUT METER BASE & WIRE; PAD PER PERMIT 2909 SR 436 W	\$800		7/1/1998
05312	REROOF 25 SQ; PAD PER PERMIT 2909 SR 436 E	\$3,100		7/1/1998
03327	SERVICE, LIGHTS, POLES	\$45,000		5/1/1998
04732	IRRIGATION WELL; PAD PER PERMIT 500 GOLF CT	\$0		7/1/1997
06713	GYMNASIUM MISC ELECTRICAL; PAD PER PERMIT 3909 SEMORAN BLVD E	\$2,499		10/1/1996

06239	GYMNASIUM-AUDIO SYSTEM PAD PER PERMIT 632 CAMPUS LOOP FOREST LAKE ACADEMY	\$5,920		9/1/1996
06109	SDA LAUNDRY A/C CHANGEOUT PAD PER PERMIT 3909 SEMORAN BLVD E FOREST LAKE ACADEMY LAUNDRY	\$4,500		9/1/1996
05974	PLAYGROUND SLAB PAD PER PERMIT 3909 SEMORAN BLVD E	\$8,000		9/1/1996
01743	GYM-SPRINKLERS	\$24,295		3/1/1996
01473	GYMNASIUM	\$740,000	9/27/1996	3/1/1996
00809	GYM	\$24,000		2/1/1996
07643	FOREST LAKE THRIFT STORE	\$1,952		11/1/1995
07436	LAUNDRY RM W/CHAIR & RAMP & DOCK	\$5,000	1/9/1997	11/1/1995
05601	SECURITY SYSTEM	\$445		8/1/1995
05376		\$2,000		8/1/1995
04937	INDUSTRIAL EDUCATION BLDG	\$3,600,000	1/23/1996	7/1/1995
03662	EAST GATE MAIN SWING GATE	\$24,000		6/1/1995
03663	WEST GATE PROJECT SECONDARY	\$24,000		6/1/1995
05563	CARPORT	\$2,475		8/1/1994
04710	FENCE 2801 SAND LAKE RD	\$7,000		7/1/1994
08933	FOREST LAKE CHURCH SANCTUARY 3801 SEMORAN BLVD E	\$250,000		9/1/1993
05280	SHED TO STORE ATHELETIC EQUIP	\$4,368		5/1/1993
01658	WHEELCHAIR REAMPS & CART STORAGE PER PERMIT: 3909 ST RD 436	\$40,000	6/22/1993	2/1/1993
05864	DEMOLISH 2 STRUCTURES; PERMIT ADDRESS: 3909 E SEMORAN BLVD	\$0		10/1/1991
06208	STORAGE BLDG - 192 SQ FT 3944 DIRECTIONS LN	\$3,800		9/1/1990

Extra Features

Description	Year Built	Units	Cost	Assessed
POOL COMMERCIAL	1965	3465	\$202,079	\$121,247
FIREPLACE 2	1979	1	\$6,000	\$2,400
ALUM PORCH W/CONC FL	1982	299	\$2,733	\$1,093
ALUM UTILITY BLDG W/CONC FL	1960	1500	\$19,800	\$7,920
COMMERCIAL ASPHALT DR 2 IN	1982	152000	\$372,400	\$148,960
COMMERCIAL CONCRETE DR 4 IN	1986	25300	\$117,898	\$47,159
BLOCK WALL	1965	1000	\$9,200	\$3,680
6' CHAIN LINK FENCE	1965	300	\$3,504	\$1,402
COOL DECK PATIO	1965	2995	\$13,208	\$5,283
10' CHAIN LINK FENCE	1965	340	\$6,620	\$2,648
ALUM UTILITY BLDG W/CONC FL	1960	1344	\$17,741	\$7,096
POLE LIGHT 1 ARM	1982	3	\$5,562	\$5,562
WOOD UTILITY BLDG	1960	3168	\$32,789	\$13,116

4' CHAIN LINK FENCE	1965	95	\$740	\$296
COMM: TENNIS COURT	1965	10920	\$44,990	\$17,996
10' CHAIN LINK FENCE	1965	130	\$2,531	\$1,012

Zoning	
Zoning	PD
Description	Planned Development
Future Land Use	PD
Description	Planned Development

School Districts	
Elementary	Wekiva
Middle	Teague
High	Lake Brantley

Political Representation	
Commissioner	District 3 - Lee Constantine
US Congress	District 7 - Cory Mills
State House	District 39 - Doug Bankson
State Senate	District 10 - Jason Brodeur
Voting Precinct	Precinct 37

Utilities	
Fire Station #	Station: 13 Zone: 134
Power Company	DUKE
Phone (Analog)	CENTURY LINK
Water	Sunshine Water Services
Sewage	Sunshine Water Services
Garbage Pickup	
Recycle	
Yard Waste	
Hauler #	

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**Seminole County Government
Development Services Department
Planning and Development Division
Credit Card Payment Receipt**

If you have questions about your application or payment, please email us eplandesk@seminolecountyfl.gov or call us at: (407) 665-7371.

Receipt Details

Date: 7/2/2024 8:54:09 AM
Project: 24-80000091
Credit Card Number: 44*****3041
Authorization Number: 027339
Transaction Number: 020724C2B-B43C5892-272B-4FF2-92D0-C0AE60AE08B8
Total Fees Paid: 52.50

Fees Paid

Description	Amount
CC CONVENIENCE FEE -- PZ	2.50
PRE APPLICATION	50.00
Total Amount	52.50