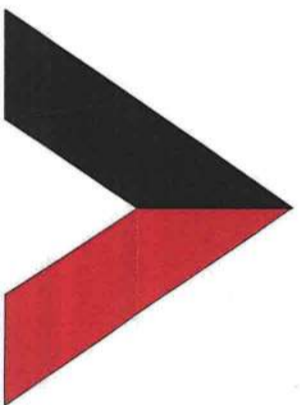


VICINITY MAP



AMERICAN TOWER®

ATC SITE NAME: FT WHITE WEST FL  
ATC SITE NUMBER: 282213  
VERIZON SITE NAME: FT WHITE WEST  
VERIZON SITE NUMBER: 477708  
SITE ADDRESS: 338 SW LENOX GLEN  
FORT WHITE, FL 32038-0001

VERIZON  
ANTENNA AMENDMENT DRAWINGS

APPROVALS	
THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH CONSTRUCTION AS DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & ANY CHANGES OR MODIFICATIONS THEY MAY IMPOSE.	
APPROVAL:	SIGNATURE: DATE:
PROJECT MANAGER:	
SITE ACQUISITION:	
CONSTRUCTION MANAGER:	
SITE OWNER:	
RF ENGINEER	
DEVELOPMENT MANAGER	
CONSTRUCTION MANAGER	
OPS MANAGER	
PROJECT MANAGER	

AMERICAN TOWER®	
WESTCHESTER SERVICES LLC	
604 FOX GLEN BARRINGTON, IL 60010 TELEPHONE: 847-277-0070 FAX: 847-277-0080 AEO@westchesterservices.com	
JOHN M. BANKS ARCHITECT	
604 FOX GLEN BARRINGTON, IL 60010 TELEPHONE: 847-277-0070 FAX: 847-277-0080 jbanks@westchesterservices.com	
REV.	DESCRIPTION BY DA
A.	PRELIM L.J. 06/2
B.	PRELIM L.J. 06/2
C.	FOR PERMIT MN 07/1
D.	
E.	
F.	

COMPLIANCE CODE

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.

- 2020 FLORIDA BUILDING CODE, 7TH EDITION
- ANSI/AIA-222-H
- 6TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA 70)
- 2014 NATIONAL ELECTRICAL CODE
- BASIC WIND SPEED: 120 MPH (3-SECOND GUST)
- CITY/COUNTY ORDINANCES

PROJECT SUMMARY

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT WHITE, FL 32038-0001  
COUNTY: COLUMBIA  
GEOGRAPHIC COORDINATES:  
LATITUDE: 29.85360396  
LONGITUDE: -82.75315979  
GROUND ELEVATION: 61' AMSL

PROJECT DESCRIPTION

THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW:  
REMOVE (1) OVP(S) AND (1) 1-1/4" HYBRID CABLE  
INSTALL (3) ANTENNA(S), (1) OVP AND (1) 1-5/8" HYBRID CABLE  
EXISTING (6) ANTENNA(S), (6) RRH(S), (1) OVP AND (1) 1-1/4" HYBRID CABLE TO REMAIN

SHEET INDEX

SHEET NO.	DESCRIPTION:	REV.	DATE:	BY:
G-001	TITLE SHEET	0	07/12/21	MN
G-002	GENERAL NOTES	0	07/12/21	MN
C-101	DETAILED SITE PLAN	0	07/12/21	MN
C-201	TOWER ELEVATION	0	07/12/21	MN
C-401	ANTENNA INFORMATION & SCHEDULE	0	07/12/21	MN
C-501	CONSTRUCTION DETAILS	0	07/12/21	MN
E-501	GROUNDING DETAILS	0	07/12/21	MN
R-601	SUPPLEMENTAL			

PROJECT NOTES

- THE FACILITY IS UNMANNED.
- A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
- THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
- NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
- HANDICAP ACCESS IS NOT REQUIRED.
- THE PROJECT DEPICTED IN THESE PLANS QUALIFIES AS AN ELIGIBLE FACILITIES REQUEST ENTITLED TO EXPEDITED REVIEW UNDER 47 U.S.C. § 1452(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 § 1.61000 (B)(7).

PROJECT LOCATION DIRECTIONS

TAKE I-75 TO EXIT 399 AND TRAVEL WEST ON 441 HWY27 TO SW JUNCTION RD AND MAKE A RIGHT ONTO SW JUNCTION RD TO SW LENOX GLEN AND MAKE A LEFT ONTO LENOX GLEN TO ACCESS AT BACK OF DIRT ROAD

UTILITY COMPANIES

POWER COMPANY: PROGRESS ENERGY OF FL  
PHONE: (877) 372-8477  
TELEPHONE COMPANY: UNKNOWN  
PHONE: N/A



Know what's below.  
Call before you dig.

TOWER OWNER:  
AMERICAN TOWER  
10 PRESIDENTIAL WAY  
WOBBURN, MA 01801  
ARCHITECT:  
JOHN M. BANKS  
604 FOX GLEN  
BARRINGTON, IL 60010  
PROPERTY OWNER:  
IWG TLA TELECOM LLC  
338 SW LENOX GLEN  
FORT WHITE - FL - 32038

APPLICANT:

VERIZON WIRELESS

PROJECT TEAM

TOWER OWNER:

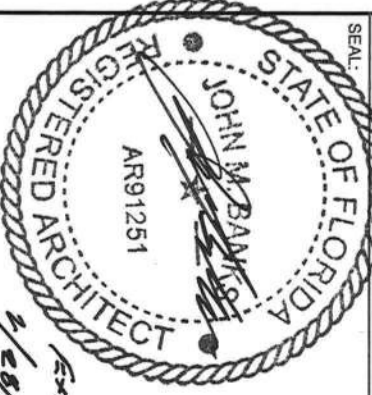
AMERICAN TOWER  
10 PRESIDENTIAL WAY  
WOBBURN, MA 01801

ARCHITECT:

JOHN M. BANKS  
604 FOX GLEN  
BARRINGTON, IL 60010

PROPERTY OWNER:

IWG TLA TELECOM LLC  
338 SW LENOX GLEN  
FORT WHITE - FL - 32038



DATE DRAWN:	06/27/21
ATC JOB NO:	13686628_D1
CUSTOMER ID:	FT WHITE WEST
CUSTOMER #:	477708

TITLE SHEET

SHEET NUMBER:	REVISION:
G-001	0

GENERAL CONSTRUCTION NOTES:

1. OWNER FURNISHED MATERIALS, VERIZON THE COMPANY WILL PROVIDE AND THE CONTRACTOR WILL INSTALL
- A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
- B. ACCELCO INTERFACE BOX (PBC)
- C. ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOF-TOP 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 JUMPER
- 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 SUB-FRAME FOR PLATFORM, ROOFING LABOR AND MATERIALS, GROUNDING RINGS, GROUNDING WIRES, COPPER/CLAD OR XIT CHEMICAL, GROUND RODS), BUSB BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL, POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CASSIONS, 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 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 ANSI/NETA-22, AND COMPLY WITH ATC CONSTRUCTION SPECIFICATIONS.
4. CONTRACTOR SHALL CONTACT LOCAL B11 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 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 MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE VERIZON REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE VERIZON REP PRIOR TO PROCEEDING.
13. EACH CONTRACTOR SHALL COOPERATE WITH THE VERIZON 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 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 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 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 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 REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.

23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON SPECIFICATIONS AND REQUIREMENTS.

24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO VERIZON FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON 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 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. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PRE AND PPE AND CONSTRUCTION DEVICES SUCH AS FLEETING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.

29. 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 NEGLIGENCE ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLIGENCE 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 OWNERS SATISFACTION.

30. 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 REP. ANY WORK FOUND BY THE VERIZON REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REMOVED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.

31. 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.

32. VERIZON FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE VERIZON 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.

33. VERIZON 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 CONTRACTOR SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO VERIZON OR THEIR ARCHITECT/ENGINEER.

SPECIAL CONSTRUCTION  
ANTENNA INSTALLATION NOTES:

1. WORK INCLUDED:

- A. ANTENNA AND COAXIAL CABLES ARE FURNISHED BY VERIZON 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 AND

- B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND VERIZON SPECIFICATIONS.

- C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS

- D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE.

- E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZ/PACKARD 8713B RF SCALAR NETWORK ANALYZER, SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RFS "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIX COAXIAL CABLE SYSTEMS" DATED 10/09/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.

- F. INSTALL COAXIAL 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 CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.

- G. ANTENNA AND COAXIAL CABLE GROUNDING:

2. ALL EXTERIOR #6 GROUND WIRE "DANBY CHAMP" CONNECTIONS ARE TO BE WEATHER SEALED WITH RFS CONNECTORS/SPICE WEATHERPROOFING KIT #221213 OR EQUAL.

3. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)



AMERICAN TOWER®

WESTCHESTER  
SERVICES LLC

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BARRINGTON, IL 60010  
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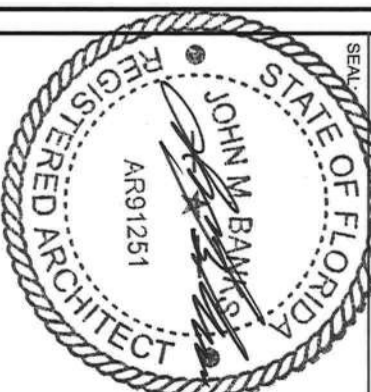
REV.	DESCRIPTION	BY	DA
A	PRELIM	LJ	06/2
B	PELIM	LJ	06/2
D	FOR PERMIT	MN	07/1

ATC SITE NUMBER:  
282213

ATC SITE NAME:  
FT WHITE WEST FL

VERIZON SITE NAME:  
FT WHITE WEST

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT MYERS, FL 32038-0001



DATE DRAWN:	06/27/21
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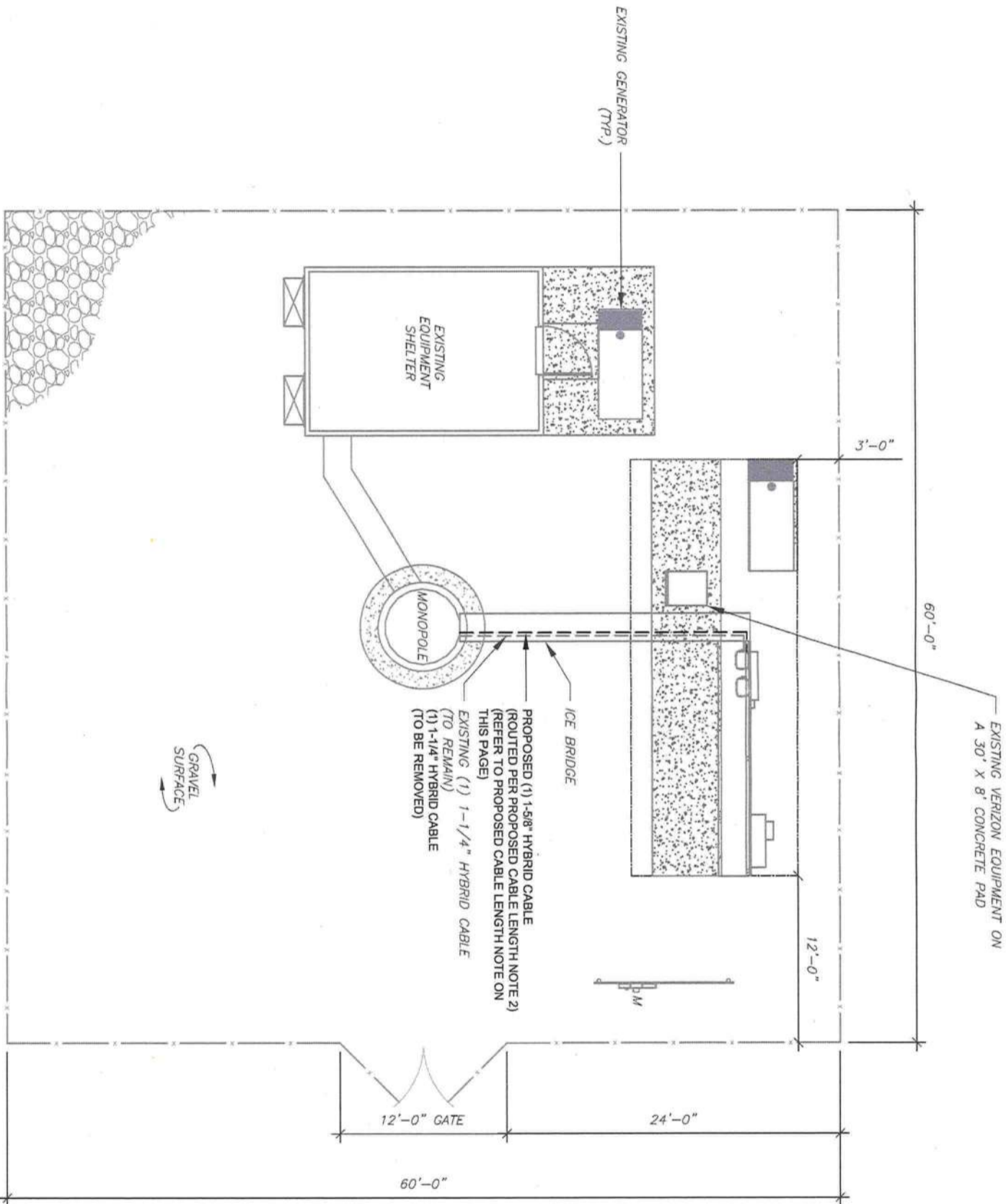
GENERAL NOTES

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.

SITE PLAN NOTES:

1. 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.
2. 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.
3. THIS PROJECT INCLUDES NO INSTALL OR MODIFICATION AT GRADE.

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
—	CHAINLINK FENCE



- PROPOSED CABLE LENGTH:**
1. ESTIMATED LENGTH OF PROPOSED CABLE IS 225'. 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.
  2. 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-RINGS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.

**1 DETAILED SITE PLAN**

GRAPHIC SCALE

10 0 5 10

(IN FEET)

1 UNIT = 10 FEET

N



**WESTCHESTER SERVICES LLC**

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
AE@westchesterservices.com

**JOHN M. BANKS ARCHITECT**

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
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FT WHITE WEST

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT WORTH, TX 76104-0001



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DETAILED SITE PLAN

SHEET NUMBER:	REVISI
C-101	0



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FORT MYERS, FL 32038-0001

SEAL:

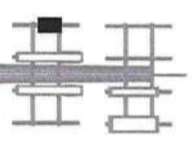


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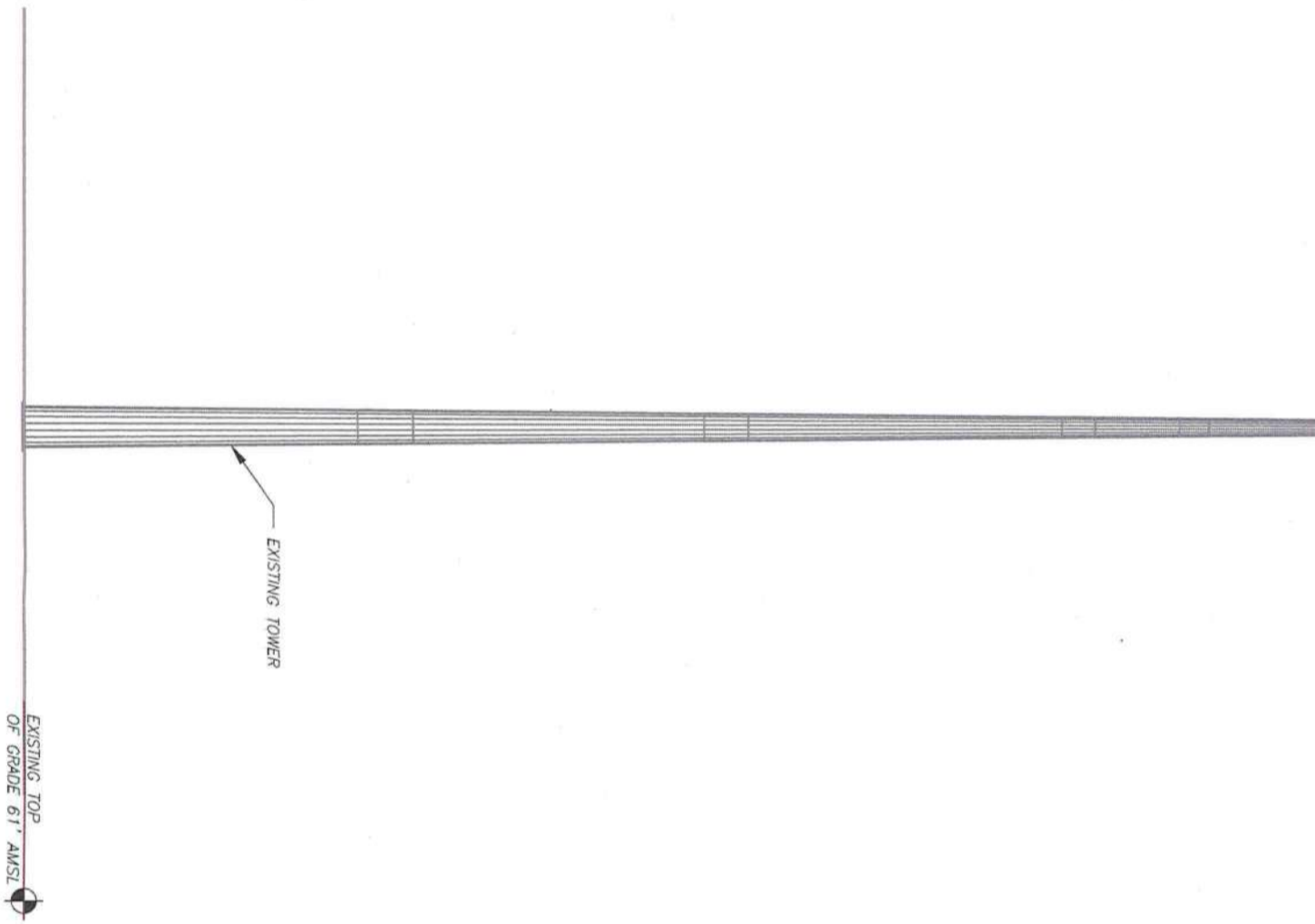
TOWER ELEVATION

SHEET NUMBER:	REVISI
C-201	0

TOP OF EXISTING  
HIGHEST APPURTENANCE  
ELEV: 199.4'  
TOP OF EXISTING TOWER  
ELEV: 195.5'



EXISTING CARRIER ANTENNAS  
RAD CENTER @ 193.6  
EXISTING AND PROPOSED  
VERIZON  
RAD CENTER @ 182'



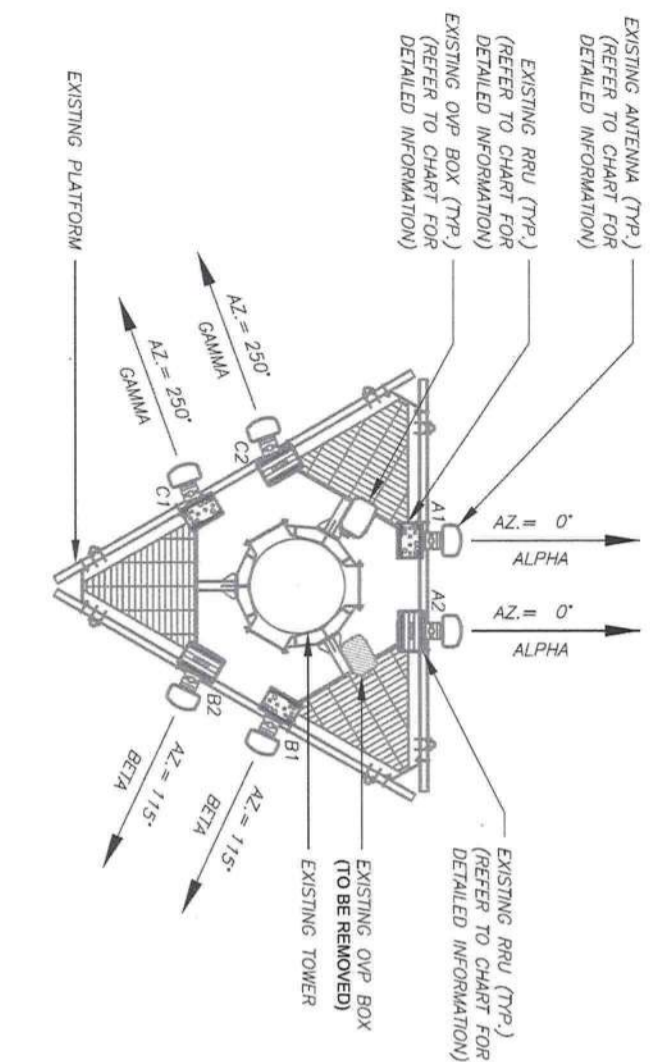
EXISTING TOP  
OF GRADE 61' AMSL

1 TOWER ELEVATION  
SCALE: N.T.S.

PER MOUNT ANALYSIS COMPLETED BY MASER  
CONSULTING, DATED 05/12/21, THE EXISTING  
MOUNT CAN ADEQUATELY SUPPORT THE  
PROPOSED LOADING.

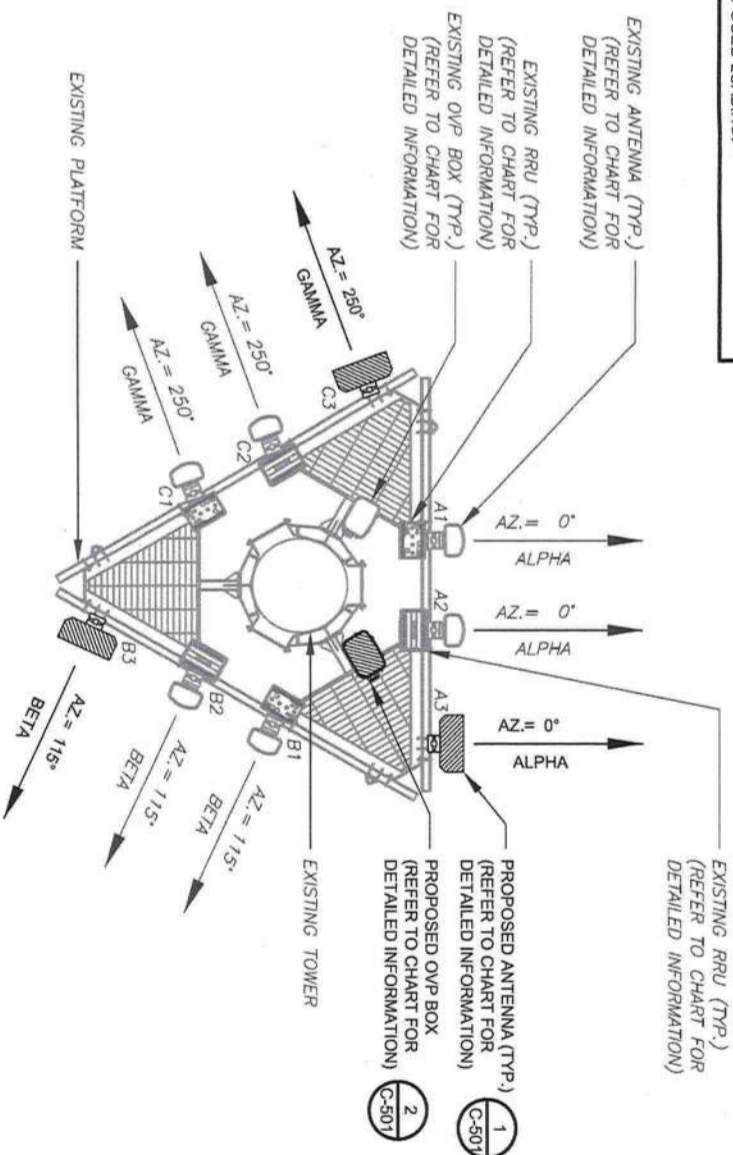
1. TOWER NOTE:  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO  
CONFIRM WITH THE PROJECT MANAGER THAT  
THEY HAVE THE MOST RECENT VERSION OF THE  
STRUCTURAL ANALYSIS BEFORE COMMENCING  
WORK. EXISTING AND PROPOSED TOWER  
APPURTENANCES, MOUNTS, AND ANTENNAS ARE  
SHOWN BASED ON THE STRUCTURAL ANALYSIS.  
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.
2. 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 SNAPS OR MOUNTING HARDWARE AND  
BRACKETS AS SPECIFIED BY CABLE  
MANUFACTURER.
3. TOWER ELEVATIONS ARE MEASURED FROM TOP  
OF BASE PLATE TO MATCH STRUCTURAL  
ANALYSIS. ELEVATIONS DO NOT REFLECT TRUE  
ABOVE GROUND LEVEL (A.G.L.)

PER MOUNT ANALYSIS COMPLETED BY MASER CONSULTING, DATED 05/12/21, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.



1 EXISTING ANTENNA PLAN

SCALE: N.T.S.



2 FINAL ANTENNA PLAN

SCALE: N.T.S.



EXISTING ANTENNA SCHEDULE

LOCATION			ANTENNA SUMMARY			NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	MECH/ELEC D-TILT	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT
ALPHA	182.5'	0°	A1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			A2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO
BETA	182.5'	115°	B1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			B2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO
GAMMA	182.5'	250°	C1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			C2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO

NOTES

1. CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONF), GC TO CAP ALL UNUSED PORTS. 2. PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMN: 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
ALPHA	182°	0°	A1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			A2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO
BETA	182°	115°	B1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			B2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO
GAMMA	182°	250°	C1	NHH-65C-R2B	700, 850	0.2	RMN	4449 RADIO
			C2	NHH-65C-R2B	1900, 2100, AWS3	0.2	RMN	8843 RADIO
			C3	AIR6449	L-SUB6	0.6	ADD	-

EXISTING FIBER DISTRIBUTION/OVP BOX

MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RC3DC-3315-PF-48	RMN	----	(1) 1-1/4" HYBRID CABLE	RMN
(1) RC3DC-3315-PF-48	RMN	----	(1) 1-1/4" HYBRID CABLE	RMN

FINAL CABLING SUMMARY

MODEL NUMBER	STATUS	COAX	HYBRID	STATUS
(1) RC3DC-3315-PF-48	RMN	----	(1) 1-1/4" HYBRID CABLE	RMN
(1) RHSDC-6827-PF-48	ADD	---	(1) 1-5/8" HYBRID CABLE	ADD

EQUIPMENT SCHEDULES



WESTCHESTER SERVICES LLC

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
adwestchester@westchesterservices.com

JOHN M. BANKS  
ARCHITECT

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
johnm@westchesterservices.com

REV.	DESCRIPTION	BY	DA
A	PRELIM	LJ	06/2
B	PRELIM	LJ	06/2
D	FOR PERMIT	MN	07/1

ATC SITE NUMBER:  
282213

ATC SITE NAME:  
FT WHITE WEST FL

VERIZON SITE NAME:  
FT WHITE WEST

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT WHITE, FL 32038-0001

SEAL:



DATE DRAWN:	06/27/21
ATC JOB NO:	13686628_D1
CUSTOMER ID:	FT WHITE WEST
CUSTOMER #:	477708

ANTENNA INFORMATICS & SCHEDULE

SHEET NUMBER:	REVISI
C-401	0



AMERICAN TOWER®



604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
AE@westchesterservices.com

JOHN M. BANKS  
ARCHITECT

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
jbanks@westchesterservices.com

REV.	DESCRIPTION	BY	DA
A	PRELIM	LJ	06/22
B	PRELIM	LJ	06/22
D	FOR PERMIT	MN	07/11

ATC SITE NUMBER:  
282213

ATC SITE NAME:  
FT WHITE WEST FL

VERIZON SITE NAME:  
FT WHITE WEST

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT MYERS, FL 32038-0001

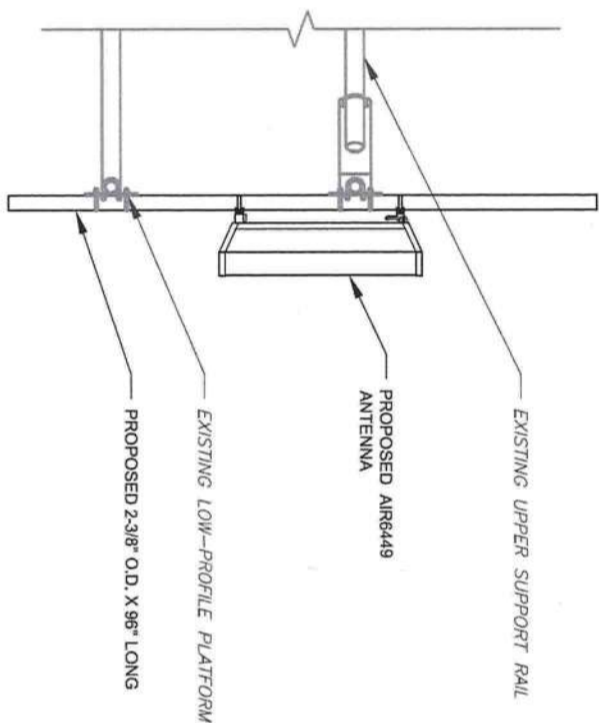
SEAL:



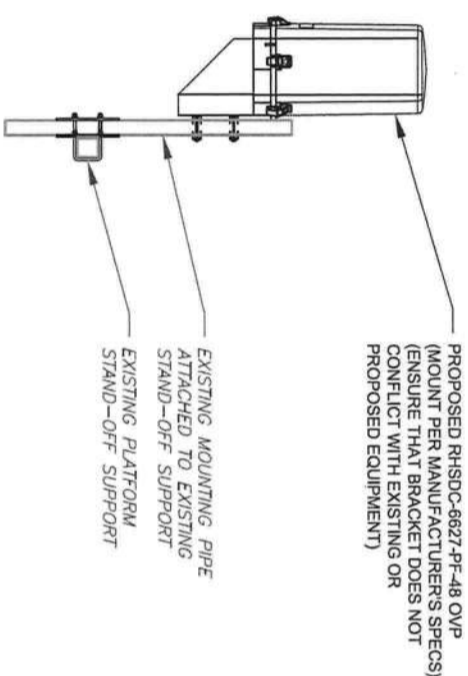
DATE DRAWN:	06/27/21
ATC JOB NO:	13686628_D1
CUSTOMER ID:	FT WHITE WEST
CUSTOMER #:	477708

CONSTRUCTION  
DETAILS

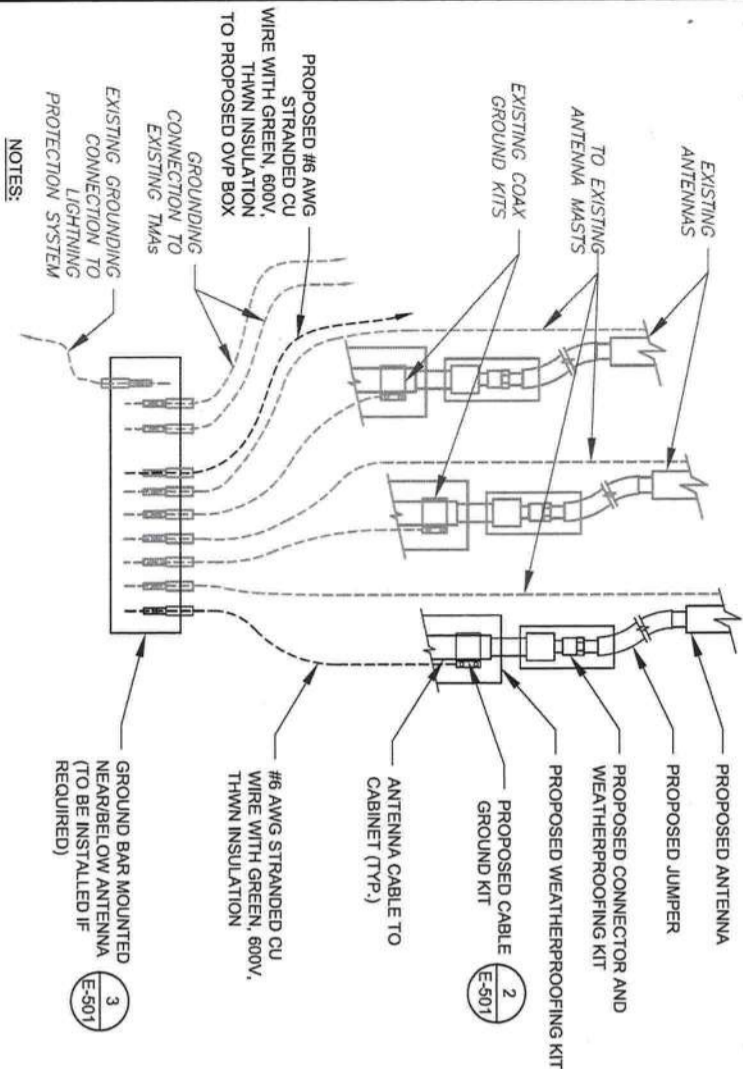
SHEET NUMBER:	REVISION
C-501	0



1 PROPOSED 5G ANTENNA MOUNTING DETAIL - TYPICAL  
SCALE: N.T.S.

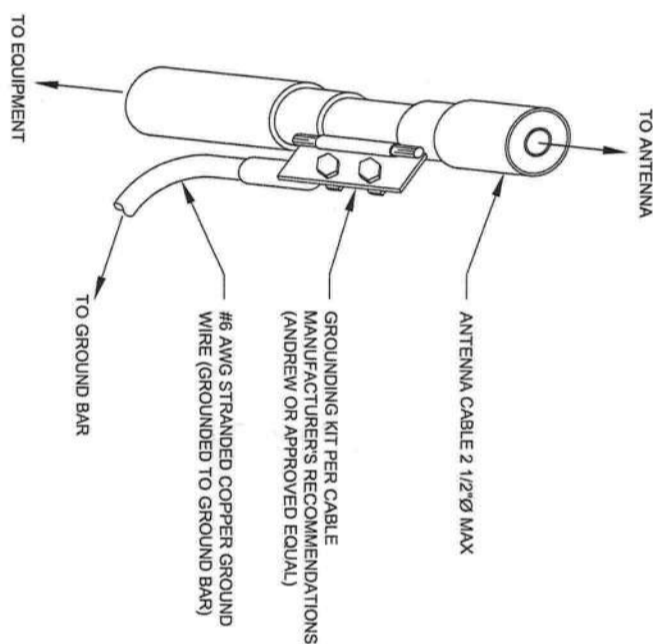


2 PROPOSED OVP MOUNTING  
SCALE: N.T.S.



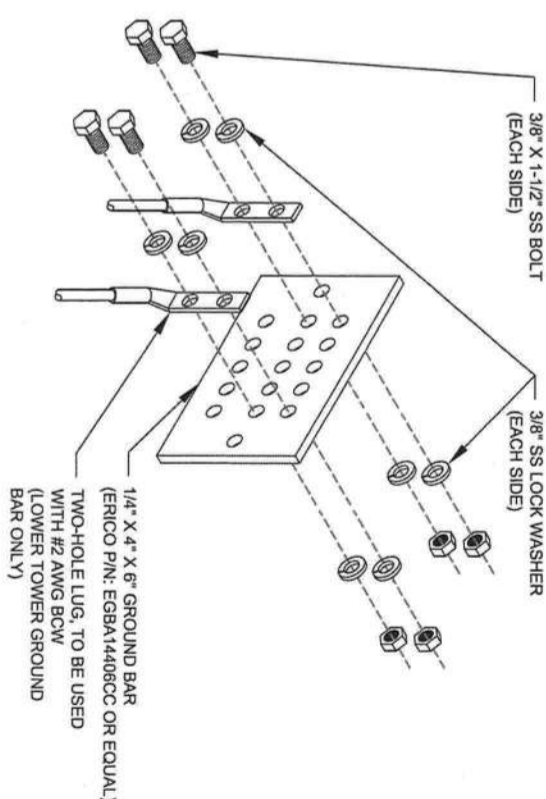
- NOTES:
1. THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.
  2. SITE GROUNDING SHALL COMPLY WITH VERIZON GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH VERIZON 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.

**AMERICAN TOWER®**

**WESTCHESTER SERVICES LLC**

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BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
AED@westchesterservices.com

**JOHN M. BANKS ARCHITECT**

604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
jbanks@westchesterservices.com

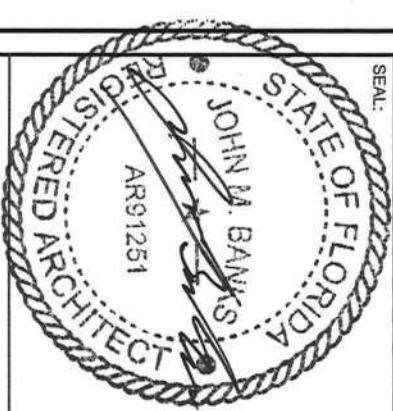
REV.	DESCRIPTION	BY	DA
A	PRELIM	LJ	06/2
B	PRELIM	LJ	06/2
C	FOR PERMIT	MN	07/1

ATC SITE NUMBER:  
282213

ATC SITE NAME:  
FT WHITE WEST FL

VERIZON SITE NAME:  
FT WHITE WEST

SITE ADDRESS:  
338 SW LENOX GLEN  
FORT WHITE, FL 32038-0001



DATE DRAWN:	06/27/21
ATC JOB NO:	13886628_D1
CUSTOMER ID:	FT WHITE WEST
CUSTOMER #:	477708

## GROUNDING DETAILS

SHEET NUMBER:	REVISI
E-501	0



Master Consulting  
4720 Salisbury Road  
Jacksonville, FL 32226  
(904) 421-1234  
Shawn.Ashley@masterconsulting.com

## Antenna Mount Analysis Report and PMI Requirements

### Mount Analysis

SMART Tool Project #: 10035040  
Master Consulting Project #: 21944703A  
May 12, 2021

#### Site Information

Site ID: 47708-VZW/FT WHITE WEST  
Site Name: FT WHITE WEST  
Carrier Name: Verizon Wireless  
Address: 338 SW Linn St  
PO Box 1000  
PORT WHITE, Florida 32038  
County: Suwannee County  
Latitude: 32.835397  
Longitude: -82.753107

#### Structure Information

Tower Type: 107 FT Monopole  
Mount Type: 12.50 FT Platform  
FUSE ID #: 43276846  
Analysis Results  
Pattern: 92.9% Pass

\*\*\*Contractor PMI Requirements:  
Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>  
Contractor - Please Review Specific Site PMI Requirements Upon Award  
Requirements also noted on Mount Modification Drawings  
Requirements may also be noted on A & E drawings  
Report Prepared By: Lauren Luder



#### Mount Structural Analysis Report

(1) 12.50 FT Platform

May 12, 2021  
Site ID: 47708-VZW/FT WHITE WEST  
Page 13

#### Final Loading Configuration:

The following equipment has been considered for the analysis of the mount.

Mount ID	Equipment ID	Quantity	Manufacturer	Model	Status
180.00	182.50	1	Ericsson	AIR 6449	Added
		6	Raychem	RH50C-6627-PF-48	
		3	Comscope	NHH-65C-028	
		3	Ericsson	4449	
		1	Ericsson	8843	Retained
		1	Raychem	RH50C-3315-PF-48	

The recent mount mapping reported existing O/P units. It is acceptable to install up to any three (3) of the O/P model numbers listed below as requires at any location other than the mount base without affecting the structural analysis. If more than three (3) O/P units are installed on the mount base, a mount re-analysis may be required unless replacing an existing O/P.

Model Number	Ports	AKA
RH50C-3315-PF-48	0	O/P-6
RH50C-6627-PF-48	12	O/P-12

#### Standard Conditions:

- All engineering services are performed on the basis that the information provided to Master Consulting and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Master Consulting to verify deviation will not adversely impact the analysis.
- Mounts are assumed to have been properly fabricated, installed and maintained in good condition. Twist free and plumb in accordance with its original design and manufacturer's specifications.
- Out-of-square safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the mount mapping report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.
- The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.
- For mount analysis completed from other data sources (including new replacement mounts) and not specifically mapped by Master Consulting, the mounts are assumed to have been properly fabricated, installed and maintained in good condition. Twist free and plumb in accordance with its original design and manufacturer's specifications.
- All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
- The mount was checked up to, and including, the bolts that fasten it to the mount counterbalancing and braced rod connections in other members if applicable. Local deformation and stress concentration between the mount counterbalancing and the supporting tower structure are outside the scope of this analysis.

#### Mount Structural Analysis Report

(1) 12.50 FT Platform

May 12, 2021  
Site ID: 47708-VZW/FT WHITE WEST  
Page 12

#### Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless communications configuration, per the applicable codes and standards. Any modification listed under "Sources of Information" was assumed completed and was included in the analysis.  
This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

#### Sources of Information:

Document Type	Reference
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 47708, dated May 4, 2021
Mount Mapping	Tower Engineering Professionals, dated April 13, 2021

#### Analysis Criteria:

Codes and Standards: ANSI/TIA-222-H  
Basic Wind Speed (Ultimate): 3-sec. Gust: 120 mph  
Ice Wind Speed (3-sec. Gust): 30 mph  
Design Ice Thickness: 0.25 in  
Risk Category: II  
Exposure Category: C  
Topographic Category: I  
Topographic Factor: Considered  
Topographic Method: N/A  
Ground Elevation Factor: K<sub>e</sub>: 0.998  
Seismic Parameters: S<sub>s</sub>: 0.079  
S<sub>1</sub>: 0.048  
Maintenance Parameters: Wind Speed (3-sec. Gust): 30 mph  
Maintenance Live Load, L<sub>r</sub>: 250 lbs  
Maintenance Live Load, L<sub>m</sub>: 600 lbs  
Analysis Software: RISA-3D (V17)

#### Mount Structural Analysis Report

(1) 12.50 FT Platform

May 12, 2021  
Site ID: 47708-VZW/FT WHITE WEST  
Page 14

- All services and performed results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Master Consulting is not responsible for the condition, opinion, and recommendations made by others based on the information supplied.
  - Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
    - Channel: Solid Round, Angle, Plate: ASTM A36 (G: 36)
    - HSS (Rectangular): ASTM 500 (G: B-46)
    - Pipe: ASTM A53 (G: B-35)
    - Threaded Rod: F1554 (G: 36)
    - Bolts: ASTM A325
- Discrepancies between in field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Master Consulting.

#### Analysis Results:

Component	Utilization %	Pass/Fail
Mount Frame	66.1%	Pass
Fixed Horizontal	41.4%	Pass
Standard Arms	42.0%	Pass
Cross Braces	17.9%	Pass
Support Rail Bracing	8.2%	Pass
Mount Connection	92.9%	Pass

Structure Rating - (Considering Utilization of all Components): 92.9%

#### Recommendation:

The existing mount is SUFFICIENT for the final loading configuration and do not require modifications.  
ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. Separate review fees will apply.

#### Attachments:

- Mount Photos
- Mount Mapping Report (for reference only)
- Analysis Calculations
- Contractor Required Post Installation Inspection (PMI) Report Deliverables
- Antenna Placement Diagrams

1

## MOUNT ANALYSIS

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.

SUPPLEMENTAL

SHEET NUMBER: R-601  
REVISI: 0