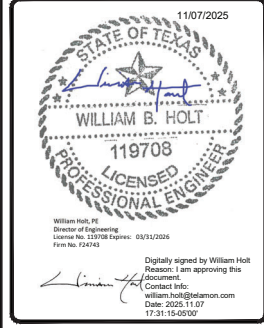




319 CHAPANOKE RD, SUITE 118
RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

TELAMON PROJECT ID:
55244-10003309-A&E+ENG-P1

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	07/17/25	PRELIMINARY ISSUE	AK
0	09/26/25	FOR CONSTRUCTION	AK
1	11/06/25	CLIENT COMMENTS	MCK



DIPLOMAT/MCDANIEL
FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T1

SITE NAME: DIPLOMAT/MCDANIEL

FA# / SITE ID: 10003309 / SITX024342

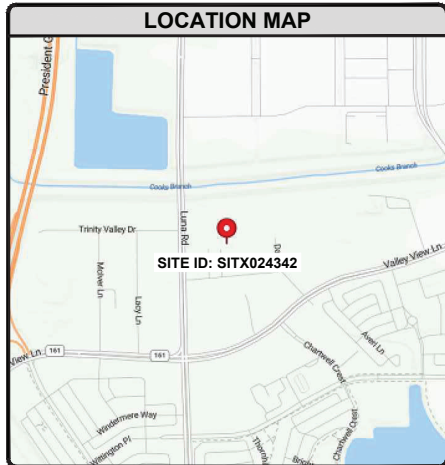
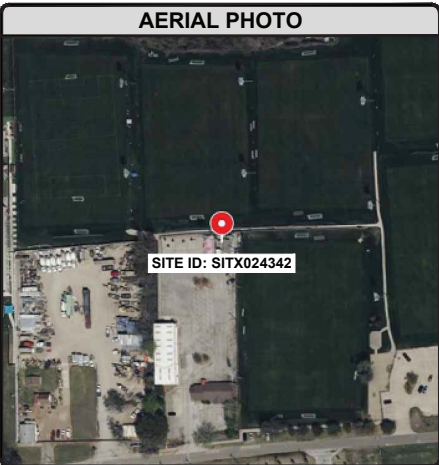
PROJECT TYPE: 5G NR 1SR CBAND

IWM / PTN: WSNTX0049385 / 3012A1BPHW

STRUCTURE TYPE: COLLOCATION 75'-0" MONOPOLE

USID: 55817

IWM JOB NUMBER	PACE JOB NUMBER	ORACLE PTN	NATIONAL PROGRAM	JOB SCOPE	JOB STATUS	PRIMARY/SE CONDARY
WSNTX0049385	MRNTX096397	3012A1BPHW	5G NR RADIO	5G NR 1SR CBAND	ON_GOING	WSNTX0049385
WSNTX0051097	MRNTX096397	3012A1BPHW	5G NR RADIO	5G NR UPGRADE	ON_GOING	WSNTX0049385
WSNTX0049384	MRNTX096397	3012A1BPHW	5G NR RADIO SOFTWARE	5G NR SOFTWARE UPGRADE	ON_GOING	WSNTX0049385



DRIVING DIRECTIONS

FROM DALLAS/FORT WORTH INTERNATIONAL AIRPORT:
LEAVE, TURN RIGHT, TURN LEFT, TURN RIGHT ONTO TERMINAL C ACCESS RD, KEEP LEFT AT TERMINAL C ACCESS RD, KEEP LEFT AT INTERNATIONAL PKWY N/TX-97 N TOWARD NORTH EXIT, KEEP RIGHT AT INTERSTATE HIGHWAY 635 E/I-635 E, KEEP LEFT AT INTERSTATE HIGHWAY 635 E/I-635 E, TAKE THE I-635 E FREEWAY, FOLLOW INTERSTATE HIGHWAY 635 E/I-635 E, TAKE EXIT 29B ON THE RIGHT ONTO PRESIDENT GEORGE BUSH TURNPIKE N, TAKE THE RIGHT EXIT ONTO MERCER PKWY, TURN LEFT ONTO VALLEY VIEW LN/TX-161, TURN LEFT ONTO LUNA RD, TURN RIGHT ONTO KEENAN BRIDGE RD, TURN LEFT, YOU HAVE ARRIVED. YOUR DESTINATION IS ON THE RIGHT.

ONE CALL

CALL TEXAS 811
ONE CALL - DIAL 811
CALL 3 WORKING DAYS BEFORE YOU DIG
1-800-344-8377

PROJECT INFORMATION

LATITUDE (NAD 83): 32.9220833'
LONGITUDE (NAD 83): -96.9233333'
SITE LOCATION: SITX024342-DIPLOMAT/MCDANIEL
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

GROUND ELEVATION: 444'± AMSL
MARKET: NORTH TEXAS
JURISDICTION: CITY OF FARMERS BRANCH
COUNTY: DALLAS
OCCUPANCY TYPE: UNMANNED
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

PROJECT TEAM

ENGINEER/ARCHITECT: TELAMON 319 CHAPANOKE RD SUITE 118 RALEIGH, NC 27603 PM: SPENCER COLLINS E-MAIL: SPENCER.COLLINS@TELAMON.COM	STRUCTURE OWNER: AMERICAN TOWER CORPORATION 10 PRESIDENTIAL WAY WOBURN, MA 01801 SITE NAME: DIPLOMAT - MCDANIEL SITE NUMBER: 309275
CUSTOMER: AT&T MOBILITY 1801 VALLEY VIEW LANE FARMERS BRANCH, TX 75234 CONTACT: DANIEL NUTT PHONE: 281-405-6747	

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING APPLICABLE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

BUILDING/DWELLING CODE:	IBC 2024
STRUCTURAL CODE:	IBC 2024
PLUMBING CODE:	IPC 2018
MECHANICAL CODE:	IMC 2018
ELECTRICAL CODE:	NEC 2020
FIRE & LIFE SAFETY CODE:	IFC 2018

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR THE SAME.

DRAWING INDEX

SHEET	SHEET DESCRIPTION	REV
T1	TITLE SHEET	1
GN1	GENERAL NOTES	1
A1	OVERALL SITE PLAN	1
A2	EXISTING SITE PLAN	1
A3	EQUIPMENT PLANS	1
A4	TOWER ELEVATIONS	1
A5	ANTENNA PLANS	1
A6	ANTENNA SCHEDULE	1
D1-D2	EQUIPMENT SPECIFICATIONS	1
G1	GROUNDING DETAILS	1
ADDENDUM	MOUNT ANALYSIS	-

SCOPE OF WORK

GROUND SOW:

EXISTING EQUIPMENT TO BE REMOVED:

- EMERSON C48/24-1500 CONVERTER (6 TOTAL)
- 50A DC BREAKERS (6 TOTAL)

TOWER SOW:

EXISTING EQUIPMENT TO BE REMOVED:

- COMMSCOPE SBNHH-1D65B ANTENNA (1 PER SECTOR, 3 SECTORS TOTAL)
- ERICSSON RRUS-32 B66A LTE 2100 (1 PER SECTOR, 3 SECTORS TOTAL)
- ERICSSON RRUS-32 B2 LTE 1900 (1 PER SECTOR, 3 SECTORS TOTAL)

EXISTING EQUIPMENT TO BE RELOCATED:

- ERICSSON AIR6449 B77D ANTENNA (1 PER SECTOR, 3 SECTORS TOTAL)

NEW EQUIPMENT TO BE INSTALLED:

- ERICSSON AIR6419 B77G ANTENNA (1 PER SECTOR, 3 SECTORS TOTAL), RE: 1/D1
- ERICSSON RRUS-4890 B25/B66 LTE 1900/2100 (1 PER SECTOR, 3 SECTORS TOTAL), RE: 1/D2

EXISTING MOUNT TO BE MODIFIED:

- EXISTING AT&T MOUNT TO BE MODIFIED AS PER MOUNT ANALYSIS DONE BY TELAMON PROJECT #55244-10003309-01-MA, DATED JULY 15, 2025, RE: ADDENDUM

C:\USERS\ANTONIE.RAUFORD\TELAMON\DRP\PROJ\ANTONIE.RAUFORD\30244 - MAS/TEC TX ORAN\10003309 - SITX024342 - DIPLOMAT/MCDANIEL.DWG - TELAMON PROJECT ID: 55244-10003309-A&E+ENG-P1

GENERAL NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR – GENERAL CONTRACTOR
SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
OWNER – AT&T MOBILITY
OEM – ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSIONS OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, QUANTITIES AND DIMENSIONS BEFORE STARTING ANY WORK. NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND TI CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FOR THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC 13 EDITION SPECIFICATIONS.
- CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-A00Z-0000Z, "GENERAL CONSTRUCTION SERVICES".
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- ALL ANTENNA PIPES SHALL BE SCHEDULE 80.
- LIMITS OF LIABILITY – ITEMS REFERENCED ARE OWNER/CLIENT DICTATED ITEMS, OR SUPPLIED ITEMS WHICH ARE REPRODUCED WITHOUT ALTERATION AS DIRECTED BY OWNER/CLIENT, AND OWNER/CLIENT ASSUMES ANY AND ALL LIABILITY FOR USE OF, CONSEQUENCES OF, OR INTERPRETATION OF SAID ITEM, SPECIFICATION, OR DIRECTIVE; AND AGREES TO INDEMNIFY AND HOLD ENGINEER COMPLETELY HARMLESS.
- PROFESSIONAL SEAL – DETAILS, SPECIFICATION(S), OR ITEMS REFERENCED, ARE NOT PART OF THE PROFESSIONAL DESIGN PERFORMED BY LICENSEE AND THE PROFESSIONAL SEAL DOES NOT APPLY.

ELECTRICAL INSTALLATION NOTES

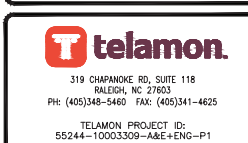
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- SUBCONTRACTORS SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLEING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL. THE IDENTIFICATION METHOD SHALL CONFORM WITH THE NEC AND TELCORDIA.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RINGS.
- EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES TIE WRAPS.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AWG SOLID TINNED COPPED CABLE, UNLESS OTHERWISE SPECIFIED.
- POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT ON LESS THAN 75°C (90°C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
- RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- CABINETS, BOXES AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 34 (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 34 (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

GROUNDING NOTES

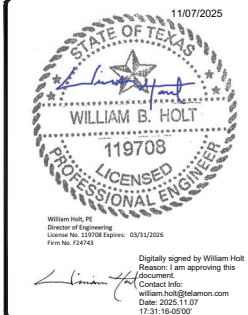
- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ). THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVISE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OFF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 91) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 25471-000-3PS-EG00-0001, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER INDOORS BTS; 2 AWG STRANDED COPPER FOR OUTDOORS BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL, SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL TOWER GROUND SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FOR 8 FEET TO 10 FEET.
- ALL GROUND WIRE TO RRUS SHALL BE #2 GREEN STRANDED.
- ALL OUTDOOR LUGS SHALL USE BLACK HEAT SHRINK AND INDOOR LUGS SHALL USE CLEAR HEAT SHRINK.
- ALL OUTDOOR LUGS TO BE LOW BARREL 2 HOLE WITHOUT INSPECTION HOLES AND INDOOR LUGS TO HAVE INSPECTION HOLES.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	MAX	MAXIMUM
AMS	ABOVE MEAN SEA LEVEL	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MBG	MASTER GROUND BAR
BLDG	BUILDING	MIN	MINIMUM
DWG	DRAWING	N.T.S.	NOT TO SCALE
FT	FOOT	(P)	PROPOSED
EMT	ELECTRICAL METALLIC TUBING	PPC	POWER PROTECTION CABINET
ELEV	ELEVATION	RBS	RADIO BASE STATION
EQUIP	EQUIPMENT	IN	INCH(ES)
(E)	EXISTING	INT	INTERIOR
EXT	EXTERIOR	LB(S) OR #	POUND(S)
FND	FOUNDATION	SF	SQUARE FOOT
FIBER	FIBER	TYP	TYPICAL
GALV	GALVANIZED	W/	WITH
GPS	GLOBAL POSITIONING SYSTEM	XFMR	TRANSFORMER
GND	GROUND		
LTE	LONG TERM EVOLUTION		



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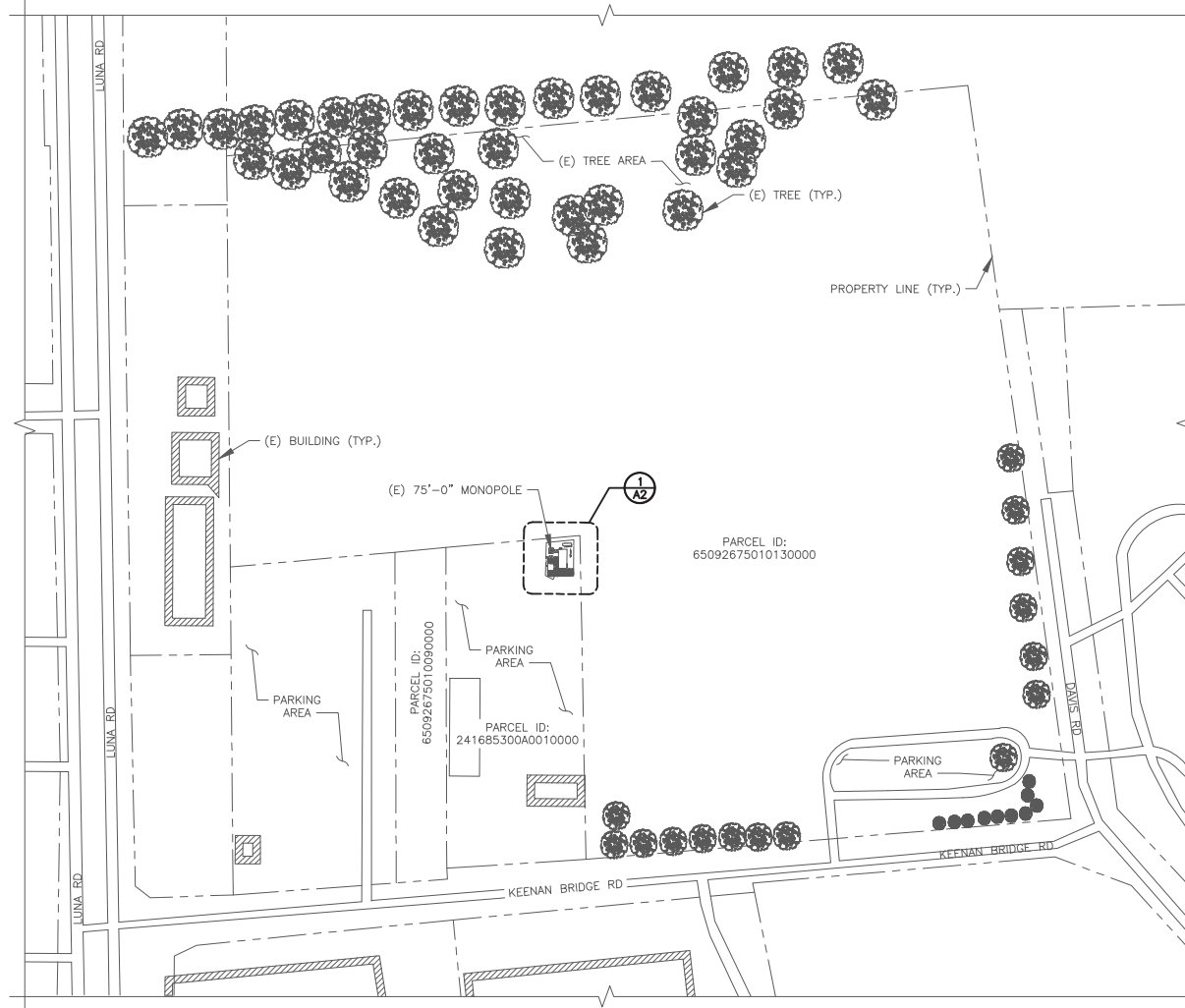
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

GENERAL NOTES

SHEET NUMBER GN1

SITE PLAN DISCLAIMER

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. TELAMON HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR TO VERIFY LOCATION OF EXISTING EQUIPMENT.



1 OVERALL SITE PLAN

SCALE: 1" = 80'-0" (FULL SIZE)
1" = 160'-0" (11x17)



TRUE NORTH
RE: GN20/GN1



telamon.
319 CHAPANOKE RD, SUITE 118
RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625
TELAMON PROJECT ID:
55244-10003309-A&E+ENG-P1

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	07/17/25	PRELIMINARY ISSUE	AK
0	09/26/25	FOR CONSTRUCTION	AK
1	11/06/25	CLIENT COMMENTS	MCK

11/07/2025

William Holt, PE
Director of Engineering
License No. 119708 Expires: 03/31/2026
From No. 12414

Digitally signed by William Holt
Reason: I am approving this document.
Contact Info:
william.holt@telamon.com
Date: 2025.11.07
17:31:17-0500'

DIPLOMAT/MCDANIEL
FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

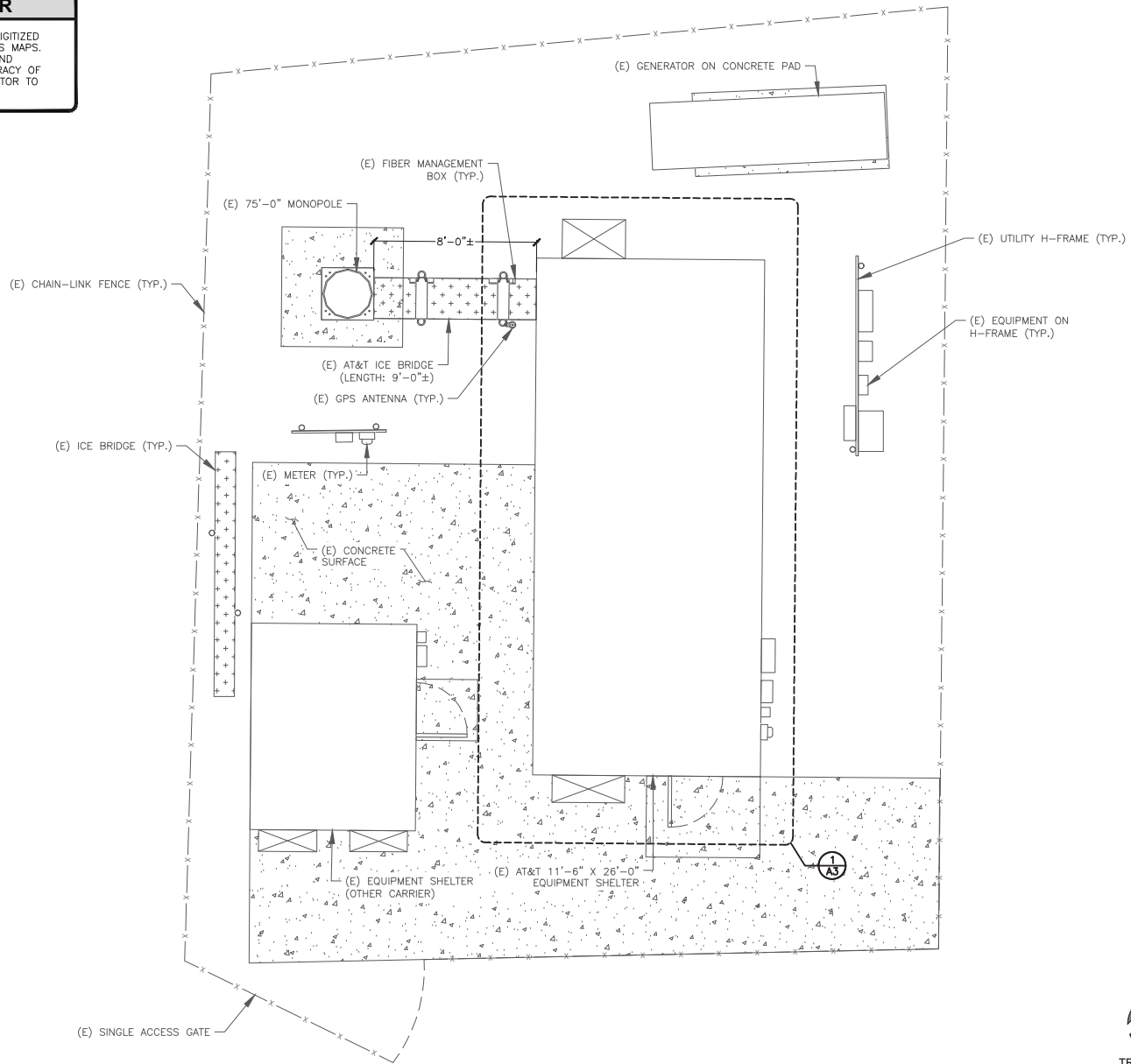
SHEET TITLE
**OVERALL
SITE PLAN**

SHEET NUMBER
A1

C:\USERS\ANTONIO\RAUFORD\TELAMON\DRP\PROJ\ANTONIO_RAUFORD_35244 - MAS TEC TELAMON\DRP\PROJ\ANTONIO_RAUFORD_35244 - SITX024342 - DPE\DMT-MCDANIEL.DWG - A&E\10003309_A&E\10003309_SITX024342_CAD\DWG - TELAMON PROJECT ID: 55244-10003309-A&E+ENG-P1

SITE PLAN DISCLAIMER

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. TELAMON HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR TO VERIFY LOCATION OF EXISTING EQUIPMENT.



1 EXISTING SITE PLAN

SCALE: 3/8"=1'-0" (FULL SIZE)
1/16"=1'-0" (1:12)



RE: GN20/GN1



telamon.
319 CHAPANKE RD, SUITE 118
RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625
TELAMON PROJECT ID:
55244-10003309-A&E+ENG-P1

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
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0	09/26/25	FOR CONSTRUCTION	AK
1	11/06/25	CLIENT COMMENTS	MCK

11/07/2025

William Holt, PE
Director of Engineering
License No. 119708 Expires: 03/31/2026
Firm No. 124163

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Reason: I am approving this document.
Contact Info:
william.holt@telamon.com
Date: 2025.11.07 17:31:19-0500'

DIPLOMAT/MCDANIEL

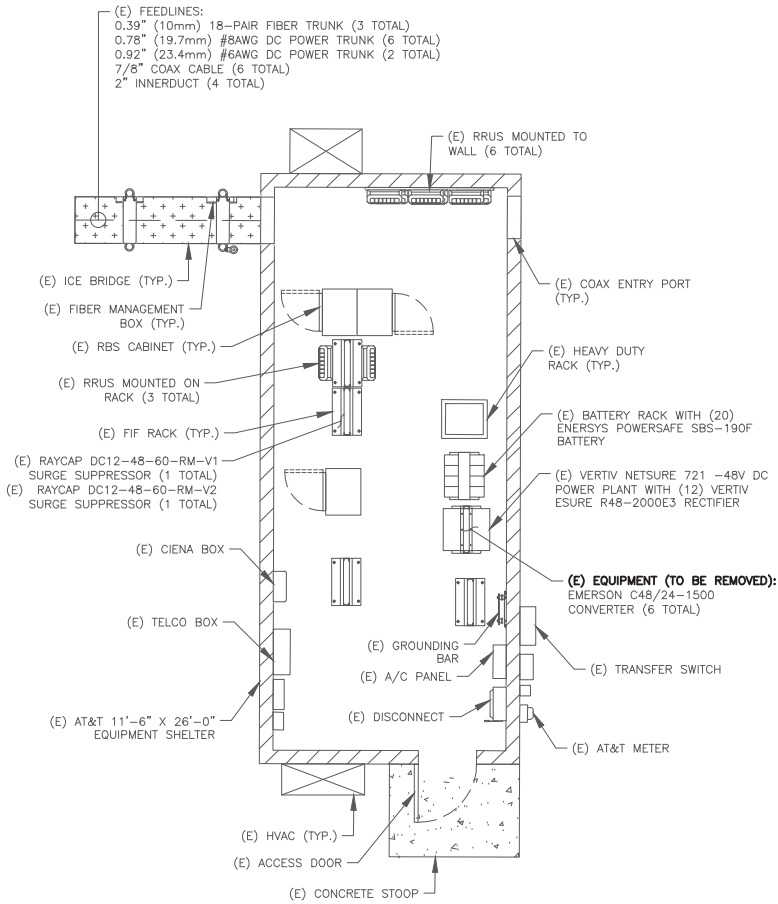
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10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
**EXISTING
SITE PLAN**

SHEET NUMBER
A2

SITE PLAN DISCLAIMER

PROPERTY LINES AND STRUCTURES HAVE BEEN DIGITIZED FROM PREVIOUS PLAN SETS OR FROM ASSESSORS MAPS. TELAMON HAS NOT COMPLETED A SITE SURVEY AND THEREFORE MAKES NO CLAIMS AS TO THE ACCURACY OF INFORMATION DEPICTED ON THIS SHEET. CONTRACTOR TO VERIFY LOCATION OF EXISTING EQUIPMENT.

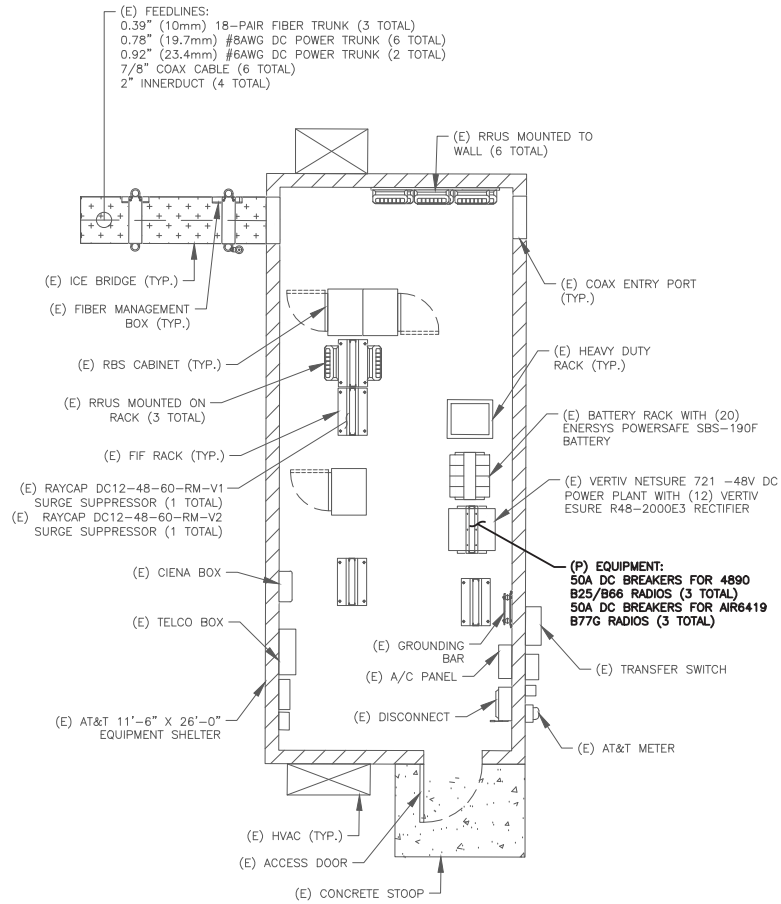


TRUE NORTH

1 EXISTING EQUIPMENT PLAN

SCALE: 3/8"=1'-0" (FULL SIZE)
 3/16"=1'-0" (1/4x17)

RE: GN20/GN1



TRUE NORTH

2 PROPOSED EQUIPMENT PLAN

SCALE: 3/8"=1'-0" (FULL SIZE)
 3/16"=1'-0" (1/4x17)

RE: GN20/GN1



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 TELAMON PROJECT ID:
 55244-10003309-A&E+ENG-P1

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
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0	09/26/25	FOR CONSTRUCTION	AK
1	11/06/25	CLIENT COMMENTS	MCK



DIPLOMAT/MCDANIEL
 FA # / SITE ID:
 10003309 / SITX024342
 USID: 55817
 1641 KEENAN BRIDGE ROAD
 FARMERS BRANCH, TX 75234-5715

SHEET TITLE
**EQUIPMENT
 PLANS**

SHEET NUMBER

A3

STRUCTURE NOTES:

MONOPOLE IS SHOWN FOR ILLUSTRATION ONLY AND FOR LOCATION OF APPURTENANCE(S).

REFER TO MONOPOLE SURVEY FOR ALL EXISTING MONOPOLE COMPONENTS TO INCLUDE ANTENNAS, LIGHTS, LIGHTNING ROD & MONOPOLE HEIGHT.

CONTRACTOR(S) TO COMPLY WITH ALL FCC AND FAA REGULATIONS ON THIS PROJECT. COAX ROUTING MUST BE PER STRUCTURAL ANALYSIS.

PRIOR TO CONSTRUCTION:
CONTRACTOR SHALL VERIFY THAT A MONOPOLE AND MOUNT STRUCTURAL ANALYSIS, DEPICTING THE LOADING SHOWN, HAS BEEN PERFORMED AND SHOWS A "PASS" OR AN "ACCEPTABLE" RATING. UNDER NO CIRCUMSTANCE WHAT SO EVER SHALL THE PROPOSED EQUIPMENT BE INSTALLED WITHOUT SAID STRUCTURAL ANALYSIS. IF SAID STRUCTURAL ANALYSIS REQUIRES THAT THE MONOPOLE AND/OR MOUNT BE MODIFIED, SUCH MODIFICATIONS SHALL BE COMPLETED PRIOR TO INSTALLATION OF THE PROPOSED EQUIPMENT.

MOUNT ANALYSIS DONE BY TELAMON PROJECT #55244-10003309-01-MA, DATED JULY 15, 2025.

STRUCTURAL ANALYSIS OF MONOPOLE DONE BY AMERICAN TOWER CORPORATION, ENG. NUMBER 15281519_C3_01, DATED JULY 30, 2025.

PROPOSED AT&T ANTENNA

ELEV. = 77'-0" AGL

MONOPOLE HEIGHT

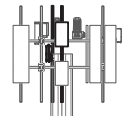
ELEV. = 75'-0" AGL

EXISTING AT&T ANTENNA

ELEV. = 75'-0" AGL

RELOCATED AT&T ANTENNA

ELEV. = 73'-0" AGL



LOADING NOTES:

OTHER CARRIERS EQUIPMENT MAY BE OMITTED FOR CLARITY

- (E) FEEDLINES: 0.39" (10mm) 18-PAIR FIBER TRUNK (3 TOTAL)
- 0.75" (19.7mm) #8AWG DC POWER TRUNK (6 TOTAL)
- 0.92" (23.4mm) #6AWG DC POWER TRUNK (2 TOTAL)
- 7/8" COAX CABLE (6 TOTAL)
- 2" INNERDUCT (4 TOTAL)

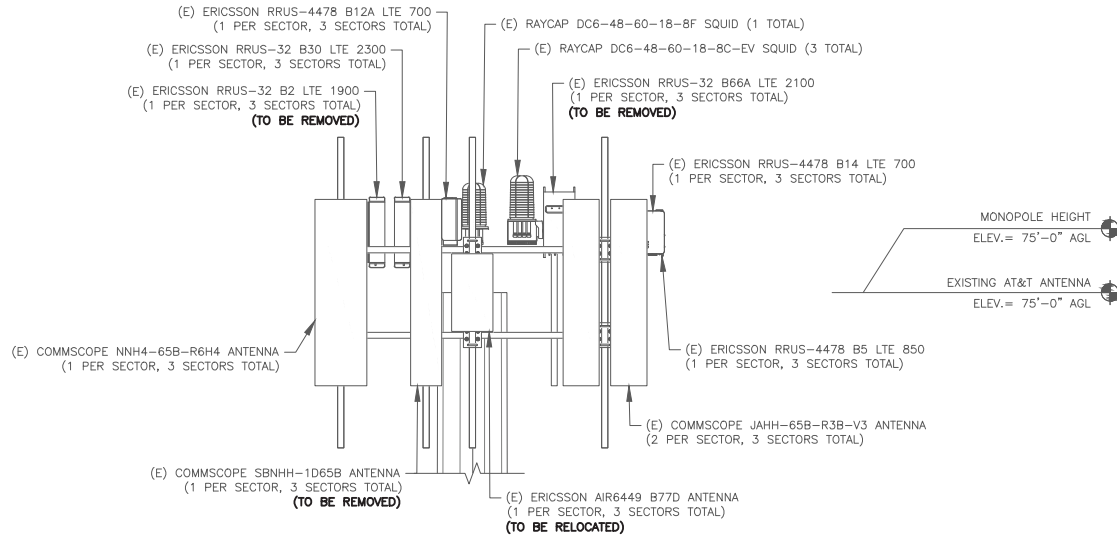
(E) 75'-0" MONOPOLE

GRADE
ELEV. = 0'-0"

1 OVERALL ELEVATION

SCALE: N.T.S.

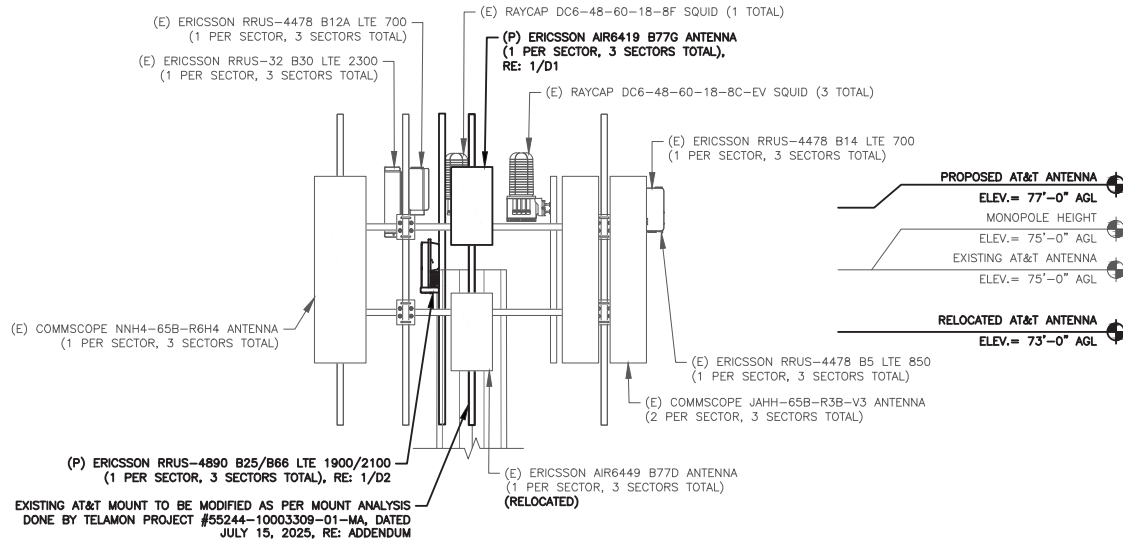
RE: GN20/GN1



2 EXISTING DETAIL ELEVATION

SCALE: N.T.S.

RE: GN20/GN1



3 PROPOSED DETAIL ELEVATION

SCALE: N.T.S.

RE: GN20/GN1



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REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
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11/07/2025

William Holt, PE
Director of Engineering
License No. 119708 Expires: 03/31/2026
Firm No. 124164

Digitally signed by William Holt
Reason: I am approving this document.
Contact Info:
william.holt@telamon.com
Date: 2025.11.07 17:31:21-0500'

DIPLOMAT/MCDANIEL

FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
MONOPOLE ELEVATIONS

SHEET NUMBER
A4

C:\USERS\ANTONIO\RAUFORD\TELAMON\DRP\PROJ\ANTONIO_RAUFORD_35244 - MASTEC.TX\ORAN\10003309 - SITX024342 - DRP\ANTONIO_RAUFORD_35244 - MASTEC.TX\ORAN\10003309 - SITX024342 - CAD\DWG - TELAMON PROJECT ID: 55244-10003309-A&E+ENG-P1

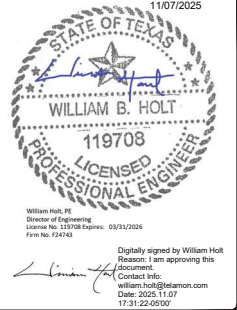


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RALEIGH, NC 27603
PH: (405)348-5460 FAX: (405)341-4625

TELAMON PROJECT ID:
55244-10003309-A&E+ENG-P1

REVISIONS

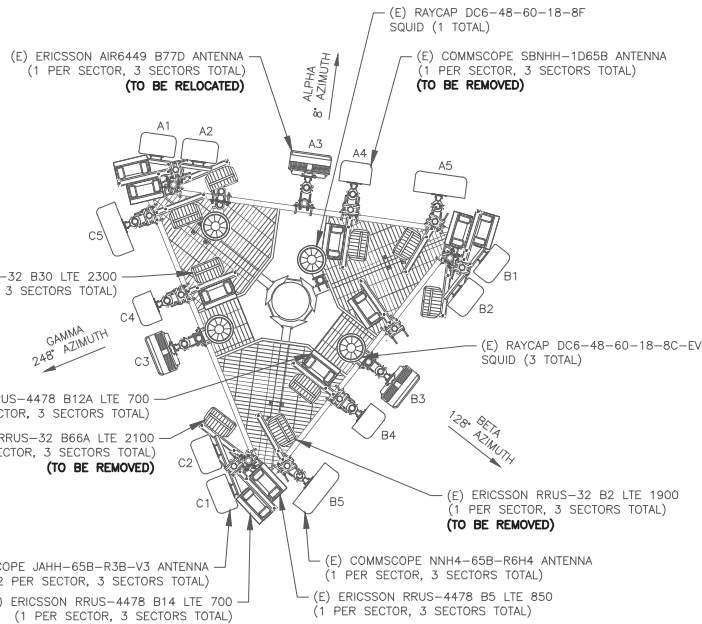
REV.	DATE	DESCRIPTION	INITIALS
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1	11/06/25	CLIENT COMMENTS	MCK



DIPLOMAT/MCDANIEL
FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
ANTENNA PLANS

SHEET NUMBER
A5

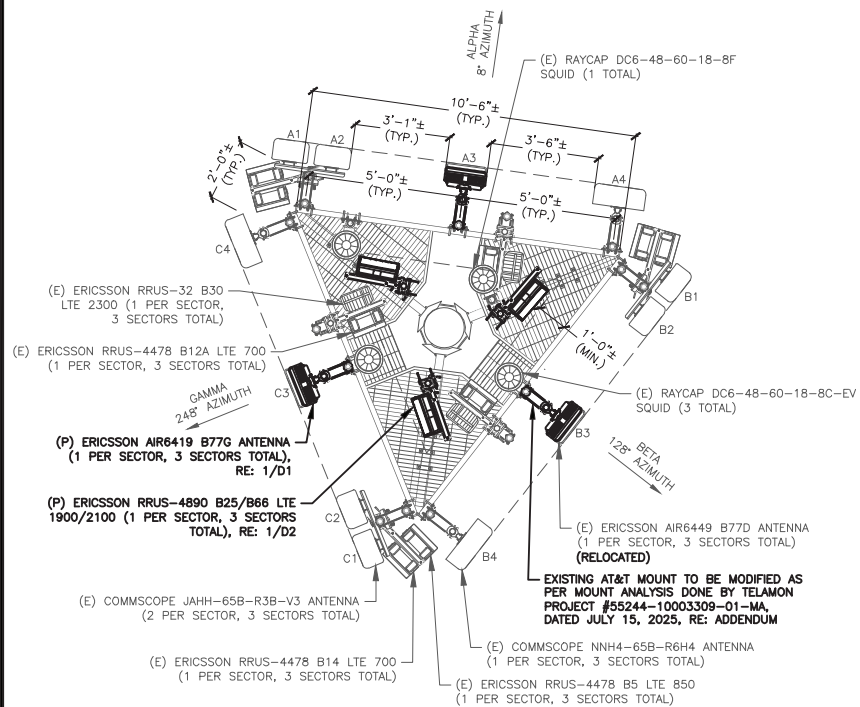


TRUE NORTH

1 EXISTING ANTENNA PLAN

SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (11x17)

RE: GN20/GN1



TRUE NORTH

2 PROPOSED ANTENNA PLAN

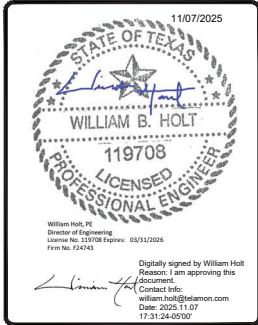
SCALE: 1/2"=1'-0" (FULL SIZE)
1/4"=1'-0" (11x17)

RE: GN20/GN1

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REVISIONS				
REV.	DATE	DESCRIPTION	INITIALS	
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DIPLOMAT/MCDANIEL
FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
**ANTENNA
SCHEDULE**

SHEET NUMBER
A6

ANTENNA EQUIPMENT & CABLE SCHEDULE (BOLD DENOTES PROPOSED OR RECONFIGURED EQUIPMENT) (E) = EXISTING (R) = RELOCATED (P) = PROPOSED										
ANTENNA MARK	SECTOR	RAD CENTER	AZMUTH	ANTENNAS	TMAS / DIPLEXER / FILTER	SURGE PROTECTION	RRUS	FREQUENCY	FEEDLINE	FEEDLINE LENGTH
A1	ALPHA	75'-0"	8°	(E) COMMSCOPE JAHH-85B-R3B-V3	--	(E) RAYCAP DC6-48-80-18-8C-EV SQUID (E) RAYCAP DC6-48-80-18-8F SQUID	(E) ERICSSON RRU-4478 B14 (E) ERICSSON RRU-4478 B5	LTE 700 LTE 850	(E) (3) 0.35" (10mm) 18-F AIR FIBER TRUNK (E) (8) 0.78" (19.7mm) #SAWG DC POWER TRUNK (E) (2) 0.82" (23.4mm) #SAWG DC POWER TRUNK (E) (6) 7/8" COAX CABLE (E) (4) 2" NNERDUCT	±115'
A2	ALPHA	75'-0"	8°	(E) COMMSCOPE JAHH-85B-R3B-V3	--		(P) ERICSSON RRU-4890 B25/B66	LTE 1900/2100		
A3	ALPHA	77'-0" 73'-0"	8°	(P) ERICSON A IR6419 B77G (R) ERICSON A IR6449 B77D	--		--	DOD C-BAND		
A4	ALPHA	75'-0"	8°	(E) COMMSCOPE NNH4-85B-R8H4	--		(E) ERICSSON RRU-32 B30 (E) ERICSSON RRU-4478 B12A	LTE 2300 LTE 700		
B1	BETA	75'-0"	128°	(E) COMMSCOPE JAHH-85B-R3B-V3	--	(E) ERICSSON RRU-4478 B14 (E) ERICSSON RRU-4478 B5	LTE 700 LTE 850			
B2	BETA	75'-0"	128°	(E) COMMSCOPE JAHH-85B-R3B-V3	--	(P) ERICSSON RRU-4890 B25/B66	LTE 1900/2100			
B3	BETA	77'-0" 73'-0"	128°	(P) ERICSON A IR6419 B77G (R) ERICSON A IR6449 B77D	--	--	DOD C-BAND			
B4	BETA	75'-0"	128°	(E) COMMSCOPE NNH4-85B-R8H4	--	(E) ERICSSON RRU-32 B30 (E) ERICSSON RRU-4478 B12A	LTE 2300 LTE 700			
C1	GAMMA	75'-0"	248°	(E) COMMSCOPE JAHH-85B-R3B-V3	--	(E) ERICSSON RRU-4478 B14 (E) ERICSSON RRU-4478 B5	LTE 700 LTE 850			
C2	GAMMA	75'-0"	248°	(E) COMMSCOPE JAHH-85B-R3B-V3	--	(P) ERICSSON RRU-4890 B25/B66	LTE 1900/2100			
C3	GAMMA	77'-0" 73'-0"	248°	(P) ERICSON A IR6419 B77G (R) ERICSON A IR6449 B77D	--	--	DOD C-BAND			
C4	GAMMA	75'-0"	248°	(E) COMMSCOPE NNH4-85B-R8H4	--	(E) ERICSSON RRU-32 B30 (E) ERICSSON RRU-4478 B12A	LTE 2300 LTE 700			

*PLUMBED PCS TO P4 AND AWS TO P2

1 FINAL EQUIPMENT SCHEDULE
SCALE: N.T.S.

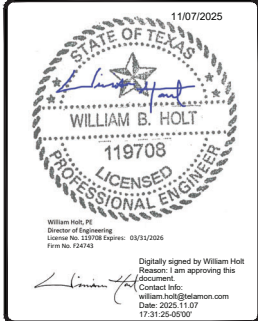
RE: GN20/GN1

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T telamon.
 319 CHAPANOKE RD, SUITE 118
 RALEIGH, NC 27603
 PH: (405)348-5460 FAX: (405)341-4625
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 55244-10003309-A&E+ENG-P1

REVISIONS				
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1	11/06/25	CLIENT COMMENTS	MCK	



DIPLOMAT/MCDANIEL
 FA # / SITE ID:
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 USID: 55817
 1641 KEENAN BRIDGE ROAD
 FARMERS BRANCH, TX 75234-5715

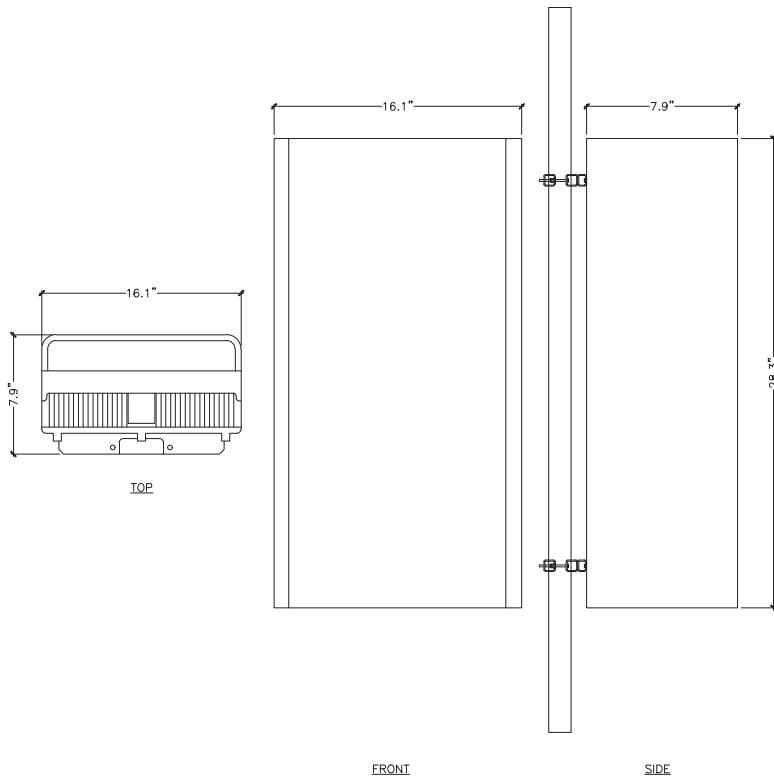
SHEET TITLE
**EQUIPMENT
 SPECIFICATIONS**

SHEET NUMBER
D1

ERICSSON - AIR 6419 B77G

MANUFACTURER: ERICSSON
 MODEL: AIR 6419 B77G
 DIMENSIONS: 28.3" X 16.1" X 7.9"
 (HxWxD)
 WEIGHT: 66.1 LBS (W/O MOUNTING KIT)
 77.0 LBS (W/ MOUNTING HARDWARE)
 FREQUENCY: REFER TO RF DATA SHEET

NOTE:
 ANTENNA INFORMATION
 PULLED FROM PRELIMINARY
 PRODUCT DATA SHEET



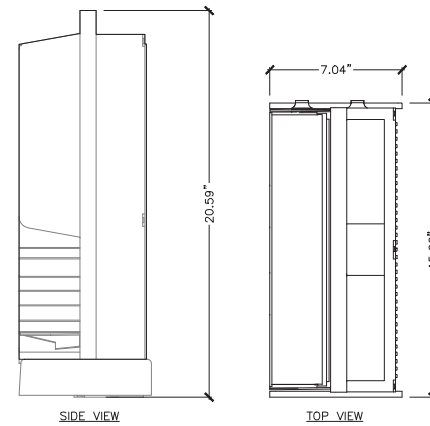
1 ANTENNA SPECIFICATIONS
 SCALE: N.T.S.

RE: GN20/GN1

ERICSSON RRUS-4890 B25/B66

MANUFACTURER: ERICSSON
 MODEL: RRUS-4890 B25/B66
 DIMENSIONS: 20.59" X 15.66" X 7.04"
 (HxWxD)
 WEIGHT (LBS): 67.24 LBS
 FREQUENCY: REFER TO RF DATA SHEET

NOTE:
 RRUS CAN ONLY BE PAINTED
 ON SOLAR SHIELD.

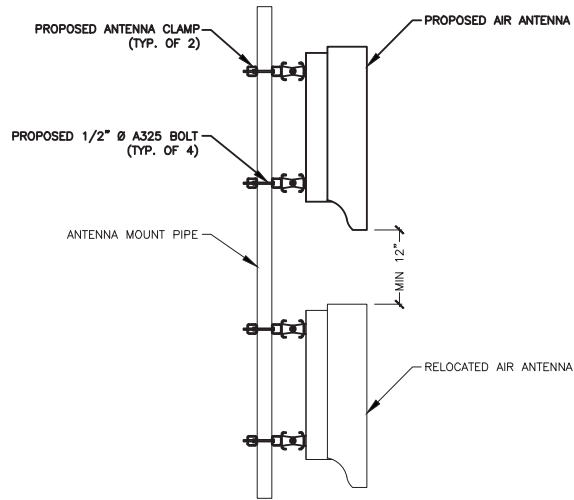


2 RADIO SPECIFICATIONS
 SCALE: N.T.S.

RE: GN20/GN1

C:\USERS\ANTONIO\PAUFORD\TELAMON\DRP\PROJ\ANTONIO_PAUFORD_35244 - MASTEC.TX\ORAN\10003309 - SITX024342 - DPE\GAT-MCDANIEL.DD - A&E\10003309_A&E\10003309_A&E+ENG-P1

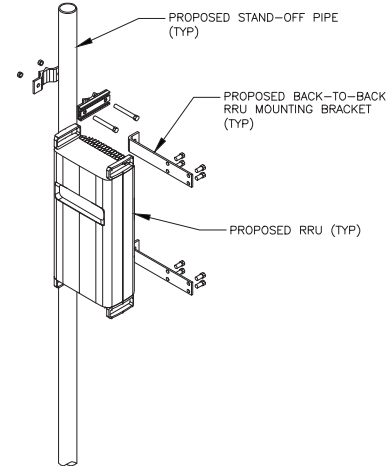
NOTE:
 ALL PIPES BRACKETS AND
 MISCELLANEOUS HARDWARE TO BE
 GALVANIZED UNLESS NOTED OTHERWISE.



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

RE: GN20/GN1

NOTE:
 1. UNIT SHALL BE MOUNTED AS PER
 MANUFACTURER'S RECOMMENDATIONS.
 2. CONTRACTOR SHALL TIGHTEN ALL
 BOLTS TO A "SNUG TIGHT" CONDITION
 AS DEFINED BY AISC.
 3. CONTRACTOR TO USE ERICSSON
 SXX1255394/2 B2B BRACKET OR
 APPROVED EQUAL.



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

RE: GN20/GN1



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11/07/2025

William Holt, PE
 Director of Engineering
 License No. 119708 Expires: 03/31/2026
 Firm No. 124154

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 william.holt@telamon.com
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 17:31:26-0500'

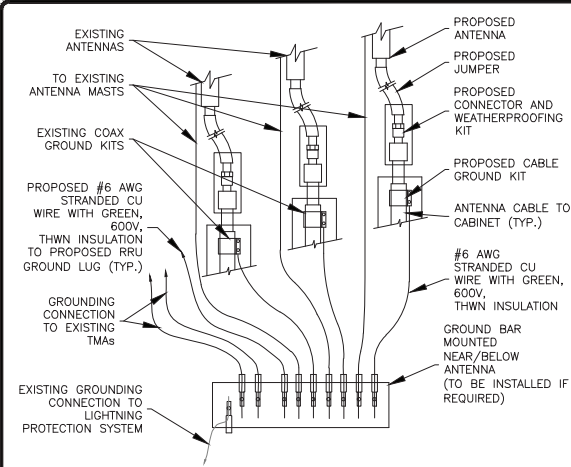
DIPLOMAT/MCDANIEL
 FA # / SITE ID:
 10003309 / SITX024342
 USID: 55817
 1641 KEENAN BRIDGE ROAD
 FARMERS BRANCH, TX 75234-5715

SHEET TITLE
**EQUIPMENT
 SPECIFICATIONS**

SHEET NUMBER
D2

C:\USERS\ANTONIO\PAUFORD\TELAMON\DRP\PROJ\ANTONIO\PAUFORD\0244 - MASTE... TELAMON PROJECT ID: 55244-10003309-A&E+ENG-P1

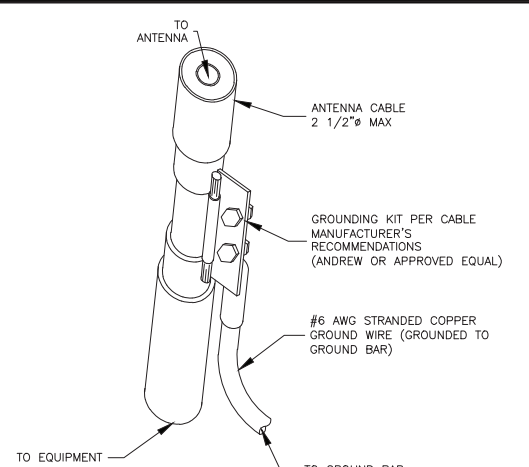
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 CL:USERS\ANTONINE\RAUFORD\0244 - MASTE... TELAMON PROJECT ID: 95244-10003309-A&E-ENG-P1



GROUND KIT NOTES

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

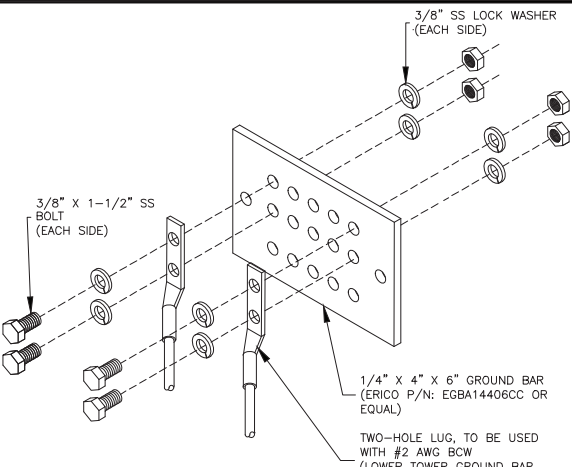
1 TYPICAL ANTENNA GROUNDING DIAGRAM
SCALE: N.T.S. RE: GN20/GN1



GROUND KIT NOTES

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

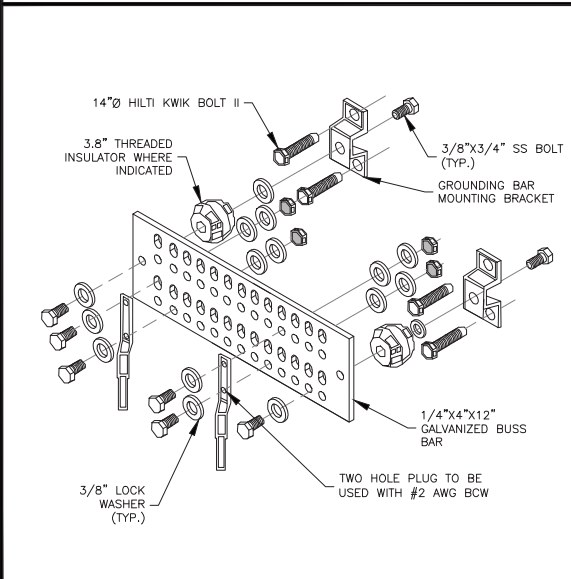
2 CABLE GROUND KIT CONNECTION DETAIL
SCALE: N.T.S. RE: GN20/GN1



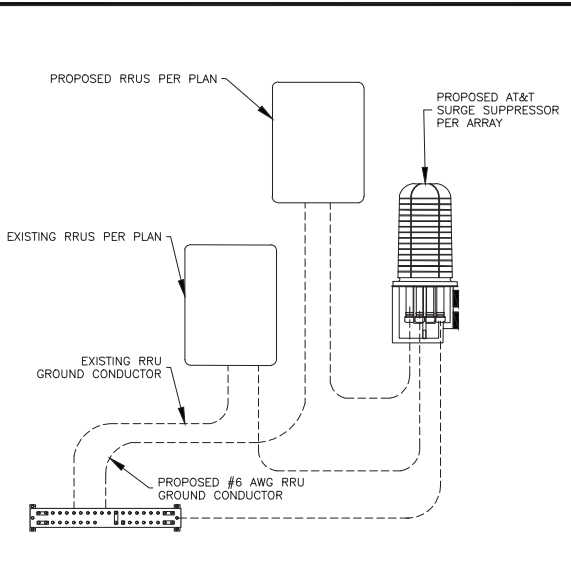
GROUND BAR NOTES:

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

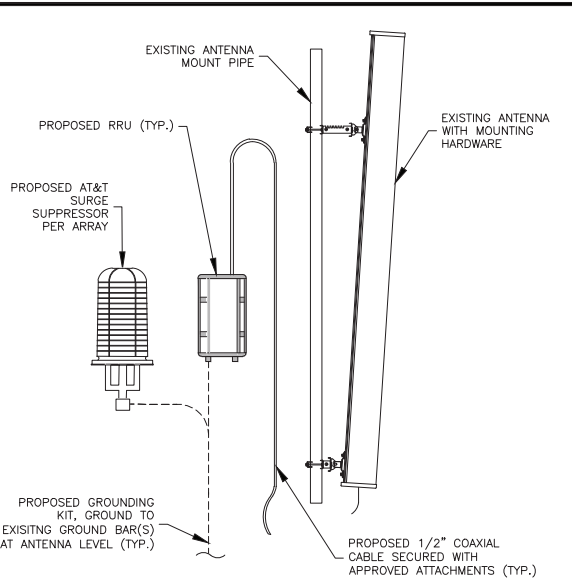
3 TOWER GROUND BAR DETAIL
SCALE: N.T.S. RE: GN20/GN1



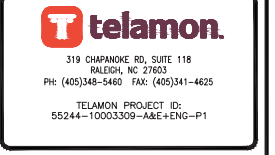
4 GROUND BAR DETAIL
SCALE: N.T.S. RE: GN20/GN1



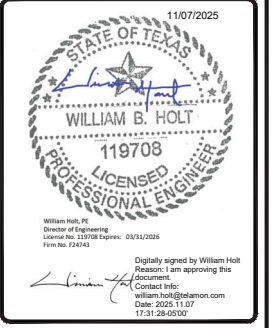
5 RRU GROUNDING CONNECTION DETAIL
SCALE: N.T.S. RE: GN20/GN1



6 ANTENNA GROUNDING CONNECTION DETAIL
SCALE: N.T.S. RE: GN20/GN1



REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
A	07/17/25	PRELIMINARY ISSUE	AK
0	09/26/25	FOR CONSTRUCTION	AK
1	11/06/25	CLIENT COMMENTS	MCK



DIPLOMAT/MCDANIEL
FA # / SITE ID:
10003309 / SITX024342
USID: 55817
1641 KEENAN BRIDGE ROAD
FARMERS BRANCH, TX 75234-5715

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G1

**Mount Analysis of Existing Platform w/ Support Rails for MasTec
SITX024342 - DIPLOMAT/MCDANIEL**

FA #: 10003309
Job Scope: 5G NR 1SR CBAND
IWM #: WSNTX0049385
PTN #: 3012A1BPHW

Telamon Project #55244-10003309-01-MA
July 15, 2025

MOUNT DESCRIPTION	Existing Platform w/ Support Rails at 75 ft AGL (attach at 72 ft AGL)
ANTENNA ELEVATION	Nominal Rad. Elevation of 75 ft AGL
SITE DESCRIPTION	75 ft Guyed Tower
SITE ADDRESS	1641 Keenan Bridge Road, Farmers Branch, TX 75234-5715 United States, Dallas County
GPS COORDINATES	32.9220833, -96.9233333
ANALYSIS STANDARD	2018 IBC / TIA-222-H
LOADING CRITERIA	105 mph, V_{ult} (3-Second Gust) w/o ice & 30 mph (3-Second Gust) w/ 1.5" Ice

■ ANALYSIS RESULT: **Pass***

MEMBER USAGE	86%	Pass
--------------	-----	------

*The structure has sufficient capacity once the changes described in the conclusion section of this report are completed.

Reviewed and Approved by:



Digitally signed
by Chaitanya
Shetti
Date:
2025.07.15
16:58:56-04'00'

Chaitanya C. Shetti, P.E.
Senior Project Engineer
License No. 145697 Expires 06/30/2026
TX Firm No. F-24743

■ INTRODUCTION

The proposed equipment is to be mounted to the existing Platform w/ Support Rails. This proposed mounting configuration was analyzed using RISA-3D, a commercially available finite element analysis software package. A selection of input and output from our analysis is attached to the end of this report.

■ STRUCTURAL DOCUMENTS PROVIDED

STRUCTURAL DATA	Site Photos, dated October 08, 2024 Mount Mapping by Trylon, Project ID #DX6101, dated October 04, 2017
PREVIOUS ANALYSES	Mount Analysis by Telamon CLS, Project #13618334_C8_04, dated July 23, 2021 Structural Analysis by Infinity 8, Project #13618334_C3_01, dated April 12, 2021
CONSTRUCTION DRAWINGS	As-Built Drawings by Ericsson, Site ID: DXL06101, Rev. 2, dated December 18, 2024
LOADING DATA	AT&T scoping document, RFDS ID: #RFDS-15597, dated May 19, 2025

■ ANALYSIS CRITERIA

STANDARD	2018 IBC / TIA-222-H
BASIC WIND SPEED	105 mph, V_{ult} (3-Second Gust)
BASIC WIND SPEED W/ ICE	30 mph (3-Second Gust) w/ 1.5" Radial Ice (Escalating)
EXPOSURE CATEGORY	C
MAX. TOPOGRAPHIC FACTOR, K_{zt}	1.00
RISK CATEGORY	II
MAINTENANCE LIVE LOAD	L_H : 250 lb; L_V : 250 lb
SEISMIC PARAMETERS	S_s : 0.10; S_1 : 0.06; Site Class: D

■ FINAL EQUIPMENT

ELEVATION (ft)		ANTENNAS	
MOUNT	RAD.	#	NAME
75.0	75.0	3	Ericsson AIR 6419 B77G
		6	Commscope JAHH-65B-R3B-V3
		3	Commscope NNH4-65B-R6H4
		3	Ericsson RRU5-32 B30
		3	Ericsson 4890 B25/B66
		3	Ericsson RADIO 4478 B14
		3	Ericsson 4478 B12A
		3	Ericsson RRU5 4478 B5
		3	Raycap DC6-48-60-18-8C-EV
		1	Raycap DC6-48-60-18-8F
	73.0	3	Ericsson AIR 6449 B77D

■ RESULTS SUMMARY

COMPONENT	PEAK USAGE	RESULT
Stand-Off Horizontals	86%	Pass
Connections	66%	Pass
Platform Base	61%	Pass
Support Rail	63%	Pass
Mount Pipes	48%	Pass

■ CONCLUSION AND RECOMMENDATIONS

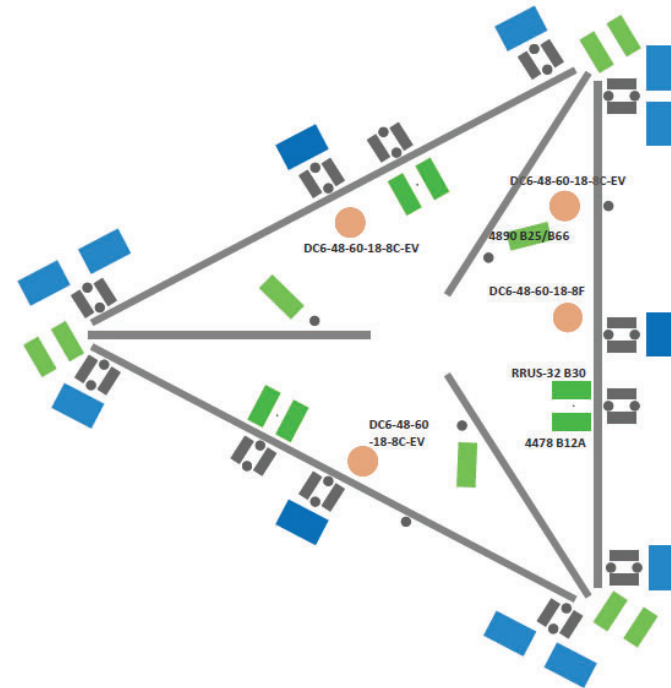
According to our structural analysis, the mounts have been found to **PASS** with the below requirements. The mounting configuration considered in this analysis will be capable of supporting the referenced loading pursuant to referenced standards once the following scope is executed:

- Replace existing secondary mount pipe at POS2 with (1) Better Metal 1BPP-278126 (CONMAT # ANT. 59536) mount pipe in each sector (3 total). Connect to primary mount pipe with (1) proposed Better Metal 1BSC-M03D (CONMAT #ANT.59535) clamp set kits (3 total).
- Install (1) proposed Better Metal 1BPP- 238096 (CONMAT #ANT. 57578) mount pipe at standoff at each sector (3 total). Connect to standoff horizontal members with (1) proposed Better Metal 1BXP-M06 (CONMAT # ANT. 59537) per pipe (3 total).

No structural failures were addressed with the noted contingencies. Contingencies address Carrier’s antenna spacing requirements.

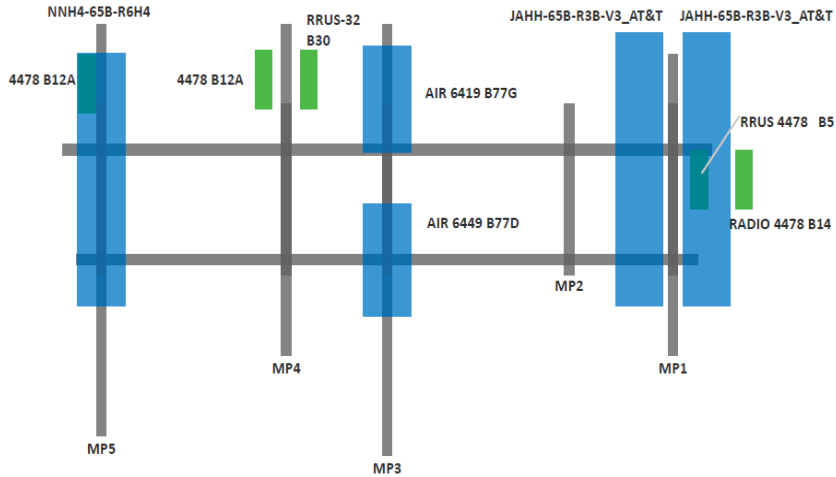
Equipment Layout Plan View

Note: Not all components of mount geometry are shown for clarity purposes.



Equipment Layout Front Elevation View

Note: Not all components of mount geometry are shown for clarity purposes.



■ ASSUMPTIONS AND CONDITIONS

This analysis is inclusive of the antenna supporting frames/mounts and all recorded connections that will support the equipment listed in this report. It considers only the theoretical capacity of structural components and it is not a condition assessment. The validity of the analysis may be dependent on the accuracy of structural information supplied by others. The client is responsible for verifying this information. If any provided information is revised after completion of this analysis, Telamon should be notified immediately to revise results.

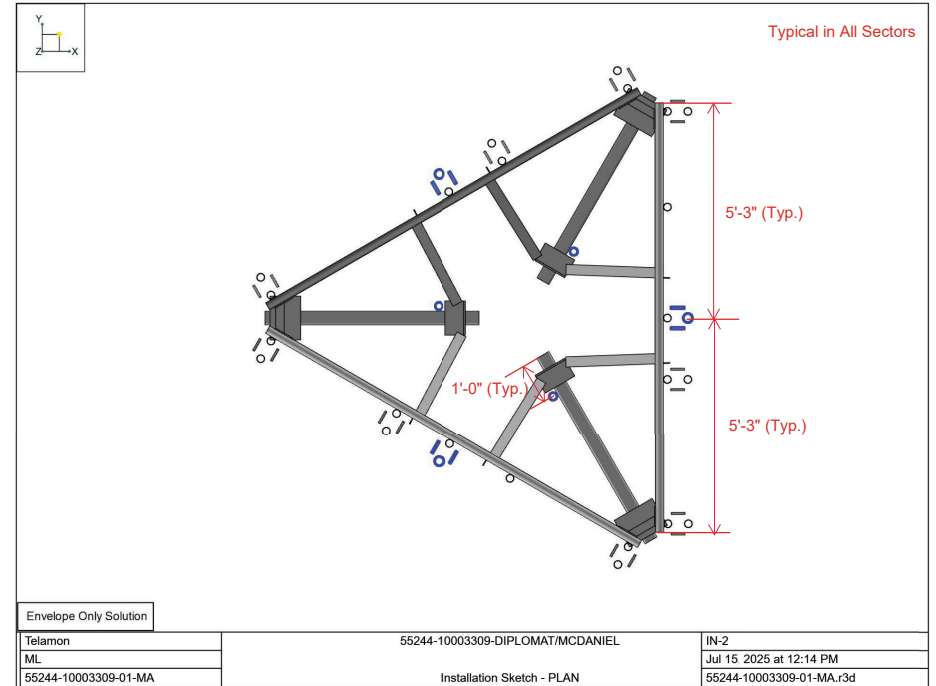
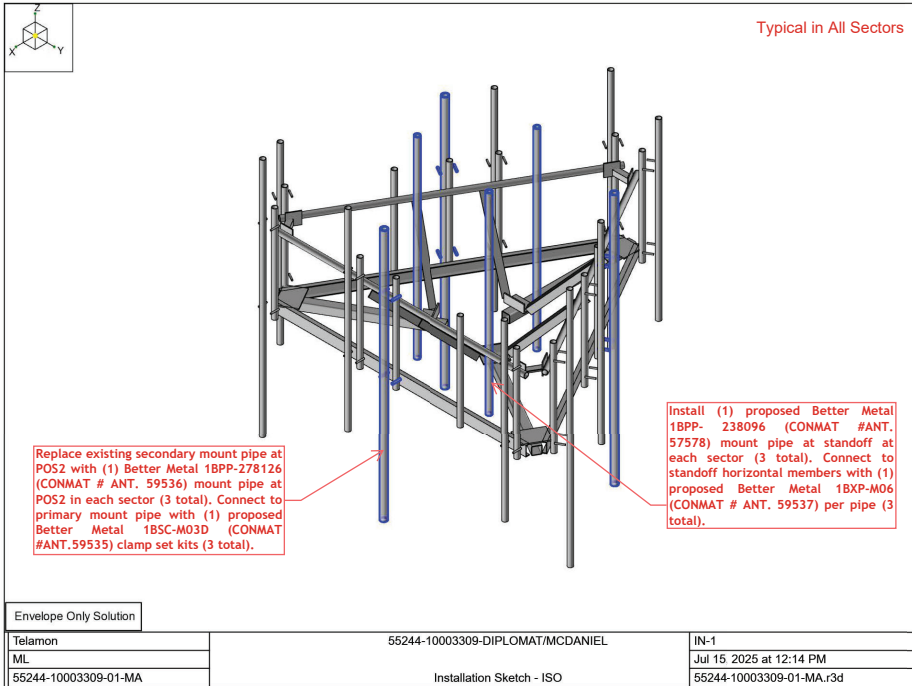
This analysis assumes the following:

1. The tower or other superstructure and mounts (if existing) were properly constructed as per the original design and have been properly maintained in accordance with applicable code standards.
2. Member sizes and strengths are accurate as supplied or are assumed as stated in the calculations.
3. In the absence of sufficient design information, all welds and connections are assumed to develop at least the capacity of the connected member, unless otherwise stated in this analysis.
4. All prior structural modifications, if any, are assumed to be correctly installed and fully effective.
5. The loading configuration is complete and accurate as supplied and/or as modeled in the previous analysis. All appurtenances are assumed to be properly installed and supported as per manufacturer requirements.
6. Some conservative assumptions may be used regarding appurtenances and their projected areas based on careful interpretation of data supplied, previous experience and standard industry practice.

All opinions and conclusions are considered accurate to a reasonable degree of engineering certainty based upon the evidence available at the time of the report. All opinions and conclusions contained herein are subject to revision based upon receipt of new or updated information. All services are provided exercising a level of care and diligence equivalent to the standard of our profession. No warranty or guarantee, either expressed or implied, is offered. All services are confidential in nature and this report will not be released to any other party without the client's consent. The use of this analysis is limited to the expressed purpose for which it was commissioned and it may not be reused, copied or disseminated for any other purpose without consent from Telamon.

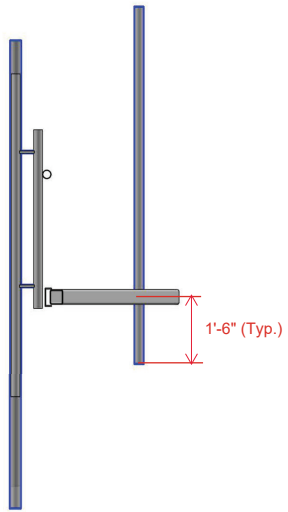
All services were performed, results obtained and recommendations made in accordance with generally accepted engineering principles and practices. Telamon is not responsible for the conclusions, opinions or recommendations made by others based on the information supplied in this analysis.

It is not possible to have the fully detailed information necessary to perform a complete and thorough analysis of every structural sub-component of an existing structure. The structural analysis by Telamon verifies the adequacy of the primary members of the structure. Telamon provides a limited scope of service in that we cannot verify the adequacy of every weld, bolt, gusset, etc.





Typical in All Sectors



Envelope Only Solution

Telamon
ML
55244-10003309-01-MA

55244-10003309-DIPLOMAT/MCDANIEL

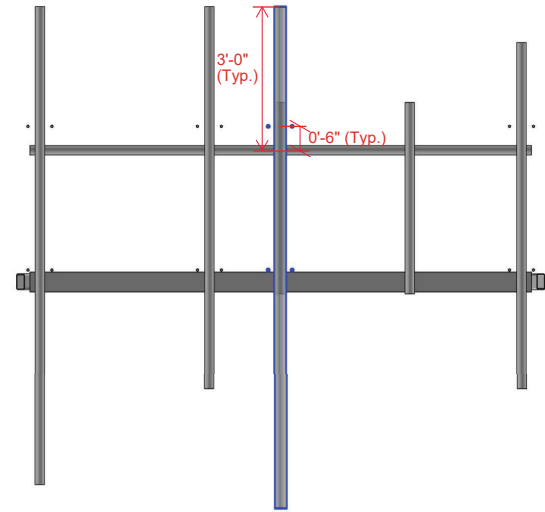
Installation Sketch - SIDE

IN-3

Jul 15 2025 at 12:15 PM
55244-10003309-01-MA.r3d



Typical in All Sectors



Envelope Only Solution

Telamon
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55244-10003309-01-MA




55244-10003309-DIPLOMAT/MCDANIEL

Installation Sketch - FRONT

IN-4

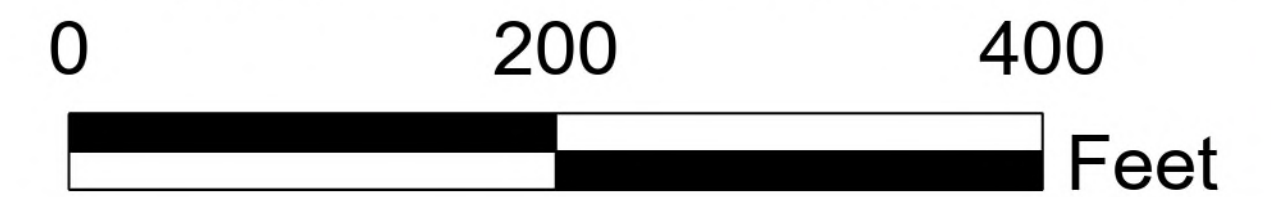
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-  Subject Property
-  Tax Parcels
-  City Limit

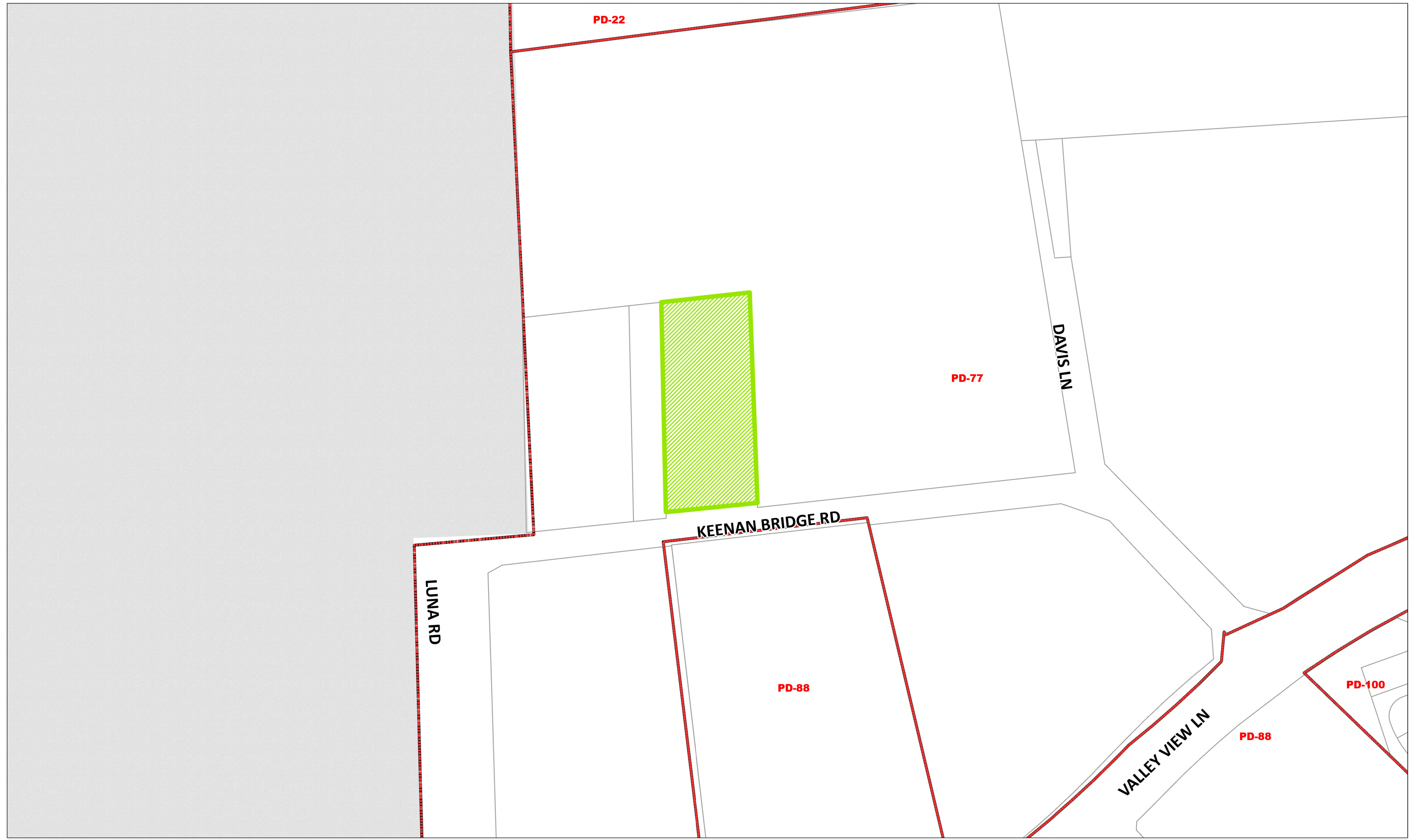
26-SU-01 Aerial Map





1641 Keenan Bridge Road



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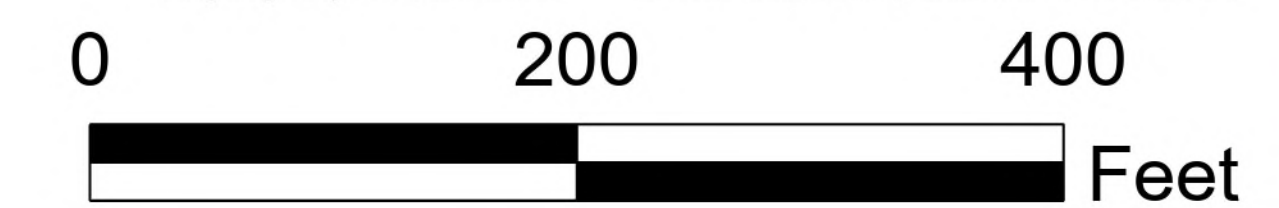




-  Subject Property
-  Zoning
-  Tax Parcels
-  City Limit

26-SU-01 Location Map






1641 Keenan Bridge Road



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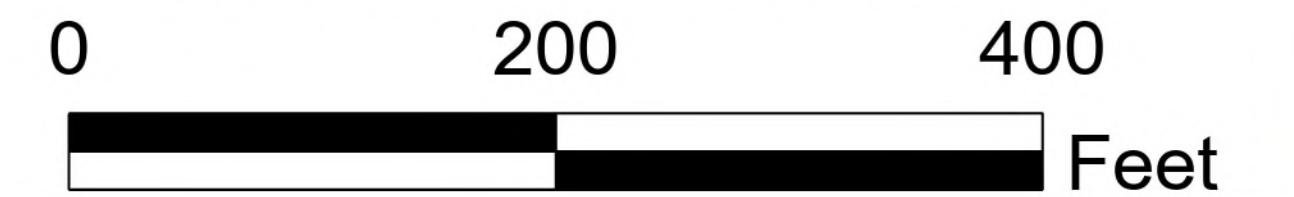




-  300-Foot Courtesy Notice
-  200-Foot Protest Area
-  Subject Property
-  Tax Parcels
-  City Limit

26-SU-01 Notification Map

1641 Keenan Bridge Road



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**Summary of Mailed Notices
Property Owner List
26-SU-01
1641 Keenan Bridge Road**

Map	First Name	Address	City	State	Zip	Written Response
1.	SOCCER MGMT OF TX INC	205 HONEYSUCKLE WAY	FLOWER MOUND	TX	75028	None.
2.	CP LOGISTICS VALLEY VIEW LLC	10440 N CENTRAL EXPY STE 710	DALLAS	TX	75231	None.
3.	FIVE111APTX LLC	111 RIVER ST STE 1010	HOBOKEN	NJ	07030	None.
4.	VALLEY VIEW LANE LLC	1700 GEORGE BUSH DR E STE 240	COLLEGE STATION	TX	77840	None.
5.	BYRD JAMES A	PO BOX 831	ALEDO	TX	76008	None.
6.	JOE AND JUDY BYRD PROPERTIES LLC	2980 ERIC LN	FARMERS BRANCH	TX	75234	None.
7.	JOE & JUDY BYRD PROPERTIES LLC	110 ROLLING SPRING DR	ALEDO	TX	76008	None.
8.	SOCCER MGMT OF TEXAS INC	205 HONEYSUCKLE WAY	FLOWER MOUND	TX	75028	None.
9.	CARROLLTON-FARMERS BRANCH ISD	1445 N. PERRY ROAD	CARROLLTON	TX	75006	None.
10.	DALLAS INDEPENDENT SCHOOL DISTRICT	9400 N. CENTRAL EXPRESSWAY	DALLAS	TX	75231	None.



City of Farmers Branch

Action Meeting Minutes - DRAFT

Planning and Zoning Commission

City Hall
13000 Wm. Dodson Pkwy
Farmers Branch, TX 75234

Monday, April 13, 2026

7:00 PM

City Hall

The full video of this meeting is available on the City website here: <https://farmersbranch.legistar.com/Calendar.aspx>

Commissioners Present (6): Vice-Chair Marcus Miller, Commissioner Alden Sultzbaugh, Commissioner Colin Kirby, Commissioner Pat Trapp, Commissioner Scott Noris, and Alternate Commissioner Breeanna Banks

Commissioners Absent (2): Chair Amber Raley and Alternate Commissioner Clint Schumacher

City Staff Present: Planning Manager Tara Bradley; Planner Brian Campbell AICP; and City Attorney Chris Metcalf

A. STUDY SESSION

A.1 [26-238](#) Discuss Regular Agenda Items.

Vice-Chair Miller called the Study Session to order at 6:30 PM. Vice-Chair Miller thanked the Commissioners for their service.

Vice-Chair Miller asked for any questions regarding the Regular Agenda item or Public Hearing item.

Regarding Regular Agenda item C.1, Commissioner Trapp noted a typo on page three of the March 9th meeting minutes where Public Hearing item *D.2* was erroneously labeled *D.3*.

Regarding Public Hearing item D.1:

- Commissioner Trapp asked whose responsibility it should be to address expired Specific Use Permits (SUPs). *Mr. Campbell stated this was the responsibility of the property owner and the user associated with the said SUP.*
- Commissioner Trapp asked about penalties for applicants operating under an expired SUP. *Mr. Campbell stated that it becomes a matter for the Code Enforcement Department, but this department must be first made aware of the situation.*
- Commissioner Trapp asked what would become of the existing tower should this SUP ultimately not be approved. *Mr. Campbell stated the tower would be permitted to remain in its existing condition, but no equipment upgrades would be permitted until a new SUP is approved.*

- Commissioner Trapp asked whether there were any restrictions on the height of the tower given it's in the flight path of Love Field. *Mr. Campbell stated the current height of 75 feet was acceptable per the Federal Aviation Administration (FAA) requirements.*
- Commissioner Trapp asked about when the equipment upgrade would occur. *Mr. Campbell stated he would defer to the applicant on this.*
- Commissioner Sultzbaugh asked if the ordinance as written would allow the applicant to forgo the SUP process for future upgrades to this tower. *Mr. Campbell stated yes and also confirmed that the ordinance would make the SUP permanent to the subject property for use for a cell tower. Mr. Campbell stated that the two caveats regarding forgoing the SUP process for future upgrades were if the tower is increased beyond its current height of 75 feet or if the tower was moved from its current location per the site plan.*
- Commissioner Kirby asked about permit required for cell tower upgrades. *Mr. Campbell stated it was the Small Cell Network Permit.*
- Vice-Chair Miller asked whether there was a process to deal with expired SUP ordinances. *Mr. Campbell stated no.*

Hearing no further questions or comments, Vice-Chair Miller closed discussion on this agenda item.

A.2 [26-240](#)

Receive a presentation regarding Artificial Intelligence (A.I.) in Planning.

Ms. Bradley gave the presentation.

Vice-Chair Miller asked whether Planning staff were currently using Chat GPT, Claude or similar A.I. applications. *Ms. Bradley stated not to her knowledge.*

Vice-Chair Miller asked whether staff were authorized to utilize Chat GPT. *Ms. Bradley stated that any use of this program would need to be in compliance with the regulations set forth by the IT Department.*

Commissioner Kirby asked whether any other cities were currently utilizing A.I. related to Planning. *Ms. Bradley stated yes and discussed such efforts by Garland and Sandy Springs, Georgia.*

Commissioner Trapp asked whether the City was pursuing any grants related to A.I. *Ms. Bradley stated no.*

Regarding a potential A.I. chatbot for Planning department inquiries, Alternate Commissioner Banks asked whether staff received numerous questions from the public related to Planning. *Ms. Bradley said yes.*

Hearing no further questions or comments, Vice-Chair Miller closed discussion on this agenda item.

A.3 [26-239](#)

Discuss Agenda Items for Future Planning and Zoning Commission consideration.

Vice-Chair Miller requested an item related to a potential update to the Downtown Farmers Branch Code regarding parking within the Station Area.

Hearing no further questions or comments, Vice-Chair Miller closed discussion on this agenda item and adjourned the Study Session at 6:50 PM. Staff and the Commissioners reconvened in Council Chambers for the Regular Meeting at 7:00 PM.

B. CITIZEN COMMENTS

There was no one wishing to address the Commission, and Vice-Chair Miller closed the Citizen Comments portion of the agenda.

C. REGULAR AGENDA ITEMS

C.1 [26-183](#) Consider approval of the March 9, 2026 Planning and Zoning Commission Meeting Minutes; and take appropriate action.

A motion was made by Commissioner Trapp, seconded by Alternate Commissioner Banks, that the minutes be approved with a correction to the typo noted by Commissioner Trapp. The motion carried unanimously.

Aye: 6 – Vice-Chair Miller, Commissioner Sultzbaugh, Commissioner Kirby, Commissioner Trapp, Commissioner Noris and Alternate Commissioner Banks

D. PUBLIC HEARING

D.1 [26-SU-01](#) Conduct a public hearing and consider the request for a Specific Use Permit (SUP) to allow a cellular mobile telecommunications antenna on a portion of a 1.63-acre property addressed as 1641 Keenan Bridge Road and located within the Planned Development District No. 77 (PD-77) zoning district; and take appropriate action.

Mr. Campbell gave a presentation regarding the SUP request.

Mr. David Prejean with Crafton Communications, representing the applicant, 2918 Clairmont Avenue South Birmingham, Alabama, was available to answer questions.

Commissioner Trapp asked about the purpose of the proposed equipment upgrade. *Mr. Prejean stated it was to enhance the antennas on the tower.*

Commissioner Trapp asked whether service would be disrupted with this upgrade. *Mr. Prejean stated no.*

Commissioner Trapp asked when the applicant planned to perform the upgrade. *Mr. Prejean stated within the next 90 days.*

Hearing no further questions or comments from the Commissioners, Vice-Chair Miller opened the public hearing. No one came forward to address this agenda item and Vice-Chair Miller asked for a motion to close the public hearing.

A motion was made by Commissioner Sultzbaugh, seconded by Commissioner Kirby, that the public hearing be closed. The motion carried unanimously.

Aye: 6 – Vice-Chair Miller, Commissioner Sultzbaugh, Commissioner Kirby,

Commissioner Trapp, Commissioner Noris and Alternate Commissioner Banks
Vice-Chair Miller asked for motion regarding the item.

A motion was made by Commissioner Sultzbaugh, seconded by Commissioner Noris, that this Specific Use Permit be recommended for approval. The motion carried unanimously.

Aye: 6 – Vice-Chair Miller, Commissioner Sultzbaugh, Commissioner Kirby, Commissioner Trapp, Commissioner Noris and Alternate Commissioner Banks

Mr. Campbell stated City Council would consider the request at their May 19, 2026 meeting.

E. ADJOURNMENT

Vice-Chair Miller adjourned the meeting at 7:10 PM.

Chair

City Administration

DRAFT