

TGB: GROUNDING STANDARDS: CADWELDING: AN EXOTHERMIC WELDING PROCESS WHICH CREATES POSITIVE CONTACT OF POSITIVE CONTACT OF GROUNDING CONDUCTORS 1.0 DEFINITIONS AGB: ANTENNA GROUND BAR ".1 AREAS OF CONCERN; WHEN DESIGNING A GROUNDING SYSTEM FOR A MOBILE RADIO FACILITY THERE ARE FOUR INTERRELATED AREAS OF CONCERN. THE BASIC OBJECTIVE FOR EACH IS ALIGHTIMAC DOMSIDERATIONS. UPHTHING DAMAGE COCIURS FROM ITHER MUCTIPM OR FROM AN OLIVE, MIRECT STREET OF THE BULDING, URBALLY YAKEN THROUGH HET (YOW ANDOW ANTENNAS, STREES YOUTHER NEARSY CASECTS MUCLET HOT BERESON MYO POWER OR TEEPHORE-CASES, SYNTHAN THE BULDING HOT SECTION THE STORE OR TEEPHORE-CASES, SYNTHAN THE DAMAGE TO THE BULDING AND ITS CONTENTS. SIGNED GROUND BASK (MIGB). THE PURPOSE OF THE MASTER GROUND BASK IS O GROUND THE BITS AND ANY OTHER BETALL CHEMICATE ACCOUNT THE BITS IS FAIL MIGB BETALL CHEMICATE ACCOUNT THE BITS AS POSSIBLE OTHER MIGB SHALL MAKE AN ANY ASTALL WITH A CONTROL AND EXCESS THE THE MIGB SHALL MAKE AN ANY ASTALL WITH A CONTROL AND EXCESS THE MIGH SHALL BE SHAPPED FOR THE MIGH SHALL MAKE AN ANY ASTALL AND ASSALL AND ASSALL AND ASSALL BE SHAPPED FOR ANY ASTALL AND ASSALL AND ASSALL BE SHAPPED FOR A MACHINE AND ASSALL BE SHAPPED FOR ASSALL BE SHA AMERICAN WIRE GAUGE TENANT IMPROVEMENT TOWER GROUND BAR MASTER GROUND BAR ELECTRICAL METAL TUBING (LIGHT GAUGE METALLIC CONDUIT) POLYVINYL CHLORIDE CONDUIT ALL LUG TUBE FASTENERS SHALL PROVIDE TWO HOLES TO ALLOW A DOUBLE BOLT CONNECTION. BOLTS, NUTS AND SCREWS USED TO FASTEN MECHANICAL CONNECTORS SHALL BE STAINLESS STEEL WITH STAR TYPE STAINLESS STEEL LOCK WASHERS. MECHANICAL FASTENERS (I.E., DOUBLE LUGS, SPLIT BOLTS PARALLEL CONNECTORS) SHALL BE BRONZE, BRASS, COPPER OR STAINLESS STEEL AND HAVE NOALOX BETWEEN CONDUCTOR AND CONNECTION. #2 AWG STRANDED INSULATED (GREEN) FOR ALL INTERNAL EQUIPMENT GROUNDING XIT OR ADVANCED GROUNDING ELECTRODE (AGE), ALL CHEMICAL GROUND RODS SHALL BE UL APPROVED. ABOVE GRADE CONNECTIONS SHALL BE BURNDY HYGROUND COMPRESSION, BELOW GRADE CONNECTIONS SHALL BE EXCYTHERING VIELLO RO OTHER APPROVED EXOTMERING WELDING SYSTEM FOR BONDING AS SPECIFIED. 5/8" X 10" GROUND RODS OF SOLID COPPER, STAINLESS STEEL OR COPPER CLAD HIGH STRENGTH STEEL. #2 AWG, INSULATED STRANDED COPPER CABLE IS ACCEPTABLE FOR INTERIOR GROUND BAR CONDUCTORS ON TENANT IMPROVEMENT SITES. TWO METALLIC OBJECTS WHICH PERSONNEL MIGHT CONTACT SIMULTANEOUSLY. RFI FOR NOISE INDUCTION CONTROL-TO ESTABLISH THE LOWEST POSSIBLE IMPEDANCE AMONG ALL EQUIPMENT. LIGHTNING PROTECTION -TO MAINTAIN ALL EQUIPMENT AT THE SAME POTENTIAL DURING A LIGHTNING IMPULSE. SOLID COPPER PLATES OF MINIMUM 3"X3"X1/4" SIZE AS SPECIFIED. LOX OR APPROVED EQUAL CONDUCTIVE MEDIUM MATERIAL SHALL BE USED IN MECHANICAL CONNECTIONS. STESSING. THE CUTISME GROUND RING SHALL SET ESTED AFTER NETSLALITION BUT PRICHED AND SHALL STEED AFTER NETSLALITION BUT PRICHED THE GROUND PRICH BERSTANCE SHALL S ABBOOKING REPARATION & INISE, ALL SINFACES REQUIRE PREPARATION PRIOR TO DONOMO THE REPARATION AND ALL SINFACES REQUIRE PREPARATION PRIOR TO DONOMO THE REPARATION OF SAMED TO THE PORT OF EXPOSED THE STEEL SURFACE BELOW, PRIOR TO BROWN OF SAMED TO THE PORT OF EXPOSED THE STEEL SURFACE BELOW, PRIOR TO BROWN OF SAMED TO THE PORT OF EXPOSED THE STEEL SURFACE BELOW, PRIOR TO BROWN OF THE TOWN OF THE SAME THE SAME THAN THE PORT OF THE TOWN OF THE SAME THAN THE PORT OF THE SAME THAN THE PORT OF THE SAME THAN THE PORT OF THE SAME SHALE BE THE SAME TO THE SAME SHALE BE TH A GRUGHE ARRESTOR GROUND MAR. THE TURPOSE OF THE SURGE ARRESTOR GROUND MAKE IS A GROUND TO THE SURGE ARRESTOR GROUND MAKE IS A GROUND TO THE WARRESTOR MAKE IS A GROUND TO A THOUGH MAKE IN A THOUGH MAKE IS A GROUND TO A THOUGH MAKE IN A THOUGH MAKE IN A THOUGH MAKE IS A GROUND TO A THOUGH MAKE IN A THOUGH MAKE I DAMP LOCATION CONNECTIONS, SHETTER SHALL BROWD ALL UNDERGROUND AND CONNECTIONS, SHETTER SHOULD CONNECTIONS, SHETTER SHOULD CONNECTION CONNECTION CONNECTION CONNECTION CONNECTIONS SHALL BE REPORTED THE POST SHETTER CONNECTIONS SHALL BE REPORTED THE TO BROWD ALL REPORTS CONNECTIONS CONNECTION CONNE MITS OF BEND RADIUS: IT IS IMPORTANT THAT THE GROUNDING CONDUCTOR CONNECTING THE INSIDE AND OUTSIDE GROUND SYSTEMS BE AS STRAIGHT AS POSSIBLE, WITH NO TURN OR REOT MANULS WITH A THREE FOOT RADIUS PREFERRED. NO REIGH SHORTEN SHALL BE ALLOWED. ENERAL NOTES: 1. ALL ELECTRICAL WORK SHALL CONFORM TO THE CHICAGO ELECTRICAL CODE THE THREO GROUND SHALL BE ON THE SURGEL ARRESTORG GROUND TO BE ATTRICHED TO THE CABLE ON TRIANGH THAN SANT OF THINH BEDDIS, JAME DE WATHER TRACHED TO THE CABLE ON STRAINGH THAN SANT OF HANN BEDDIS SHALL BE GROUNDED TO THE GROUND BEN, THE SAGO SHALL HAVE TOO SHALL BE BASE THAN SALD COPPER WIFE. AND SHALL THANKNITE ATT THE TOWER GROUND MAC. THESE SHALL BE BOOKED MAY OF DESTRUCTIONS. PLAN DRAWINGS SHOWN HEREIN ARE DIAGRAMMATIC AND DO NOT NECESSARILY DEPORT HE EXACT EQUIPMENT QUANTITIES, LOCATION, LAYOUT AND CONFIGURENT OR ACRIFECTURAL PLANS FOR EXACT EQUIPMENT LOCATION, LAYOUT AND CONFIGURATION. CONNECT RF MODULE GROUND TO GROUND BUS AT TOP OF TOWER. CONNECT COAX GROUND KITS TO GROUND BUS AT TOP OF TOWER. GROUNDING CONDUCTORS SHALL BE COPPER OR SOLID TINNED COPPER, ALL CONNECTIONS MADE BELOW GRADE SHALL BE SOLID TINNED COPPER, ALL CONNECTIONS ABOVE GRADE STRANDED IS PERMITTED. PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTIAL TO COMPLETING AND PRESENTING THIS PROJECT AS FULLY OPERATIONAL. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED. ALL GROUNDING SHALL COMPLY WITH THE CHICAGO ELECTRICAL CODE. THE SECOND GROUND SHALL BE MADE AT THE BOTTOM OF THE VERTICAL RUN OF THE COMMA. CABLE SHE IT THIS SOLT MANY FROM THE TOWNER TOWNERS THE BETS. THIS GROUND SHALL BE TERMINATED AT THE TOB. THE TOB SHALL HAVE TWO (2) LEADS OF ZAWIG BREET TIMED SOLD COPPER WHEE, AND SHALL TERMINATE AT THE TOWER GROUND RING. THESE SHALL BE MANDED IN TO PROPERTY OF THE TOWER GROUND RING. THESE SHALL BE MANDED IN PICE OF THE TOWER GROUND RING. THESE SHALL BE MANDED IN PICE OF THE TOWER GROUND RING. THESE SHALL BE MANDED IN PICE OF THE TOWER THE TOWNER THE THE TOWNER THE THE TOWNER THE TOWNE CONTRACTOR TO 'NOALOX' ALL CONNECTIONS TO GROUND BARS. NUMBER OF ANTENNAS REPRESENTED IN THIS DETAIL ARE FOR SHOWING CLARITY OF GROUND SYSTEM REQUIREMENTS ONLY. SEE RF INFO FOR ANTENNA QUANTITY. CONNECT COAX GROUND KITS TO MASTER GROUND BAR AT BASE OF TOWER ALL EXOTHERMIC WELDS ABOVE FINISHED GRADE SHALL BE PAINTED WITH CO-GALVANIZED ZING ENRICHED PAINT TO MATCH COLOR OBJECT BONDED TO GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH COAX CABLE GROUNDING KITS & INSTALL WEATHER PROOFING KIT AT EACH CONNECTION. NOTES: OVP TO MASTER GROUND BAR: #2 AWG STRANDED GREEN JACKETED GROUND WIRE TYPICAL ANTENNA SECTOR 計三式 NEW #2 AWG SOLID TINNED GROUND WIRE FROM ANTENNA SECTOR GROUND BAR TO NEW ANTENNA MAST PIPE (TYP.) NEW #2 AWG STRANDED GREEN JACKETED GROUND WIRE TO NEW & RELOCATED BREAKQOUT BOXES FROM ANTENNA SECTOR GROUND BAR NEW #6 AWG STRANDED GREEN JACKETED GROUND WIRE FROM ANTENNA SECTOR GROUND BAR TO NEW AHFIG'S (TYP.) **GROUNDING RISER** SCALE: NONE 0 EXISTING ANTENNA/EQUIPMENT MECHANICAL CONNECTION/DOUBLE HOLE LUG TYPE CONNECTION NEW GROUNDING WIRE RELOCATED ANTENNA/EQUIPMENT EXOTHERMIC WELD NEW ANTENNA/EQUIPMENT LEGEND AMIA BATTERY NTPWIRELESS' T - - Mobile -AQUATIC \ DESIGN & PROGRAM MANAGEMENT CIVIL \ TELECOMMUNICATION \ MECHANICAL PLUMBING \ ELECTRICAL \ LAND SURVEYING ACCESSIBILITY CONSULTING \ \ STRUCTURAL WT GROUP Group CH71564A CPS PALMER ELEMENTARY GR-1 5051 N. KENNETH AVE CHICAGO, IL 60630

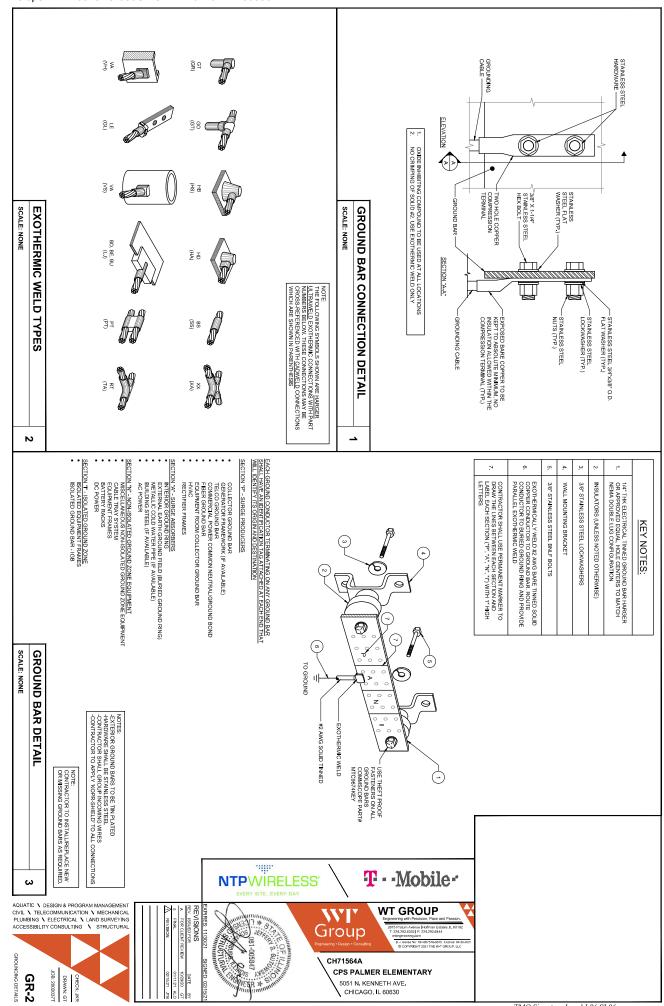


EXHIBIT "B"

PAYMENTS

TERM	ANNUAL LICENSE PAYMENTS
1 June 1, 2026 – May 31, 2027 June 1, 2027 – May 31, 2028 June 1, 2028 – May 31, 2029 June 1, 2029 – May 31, 2030 June 1, 2030 – May 31, 2031	\$60,000.00 \$61,800.00 \$63,654.00 \$65,564.00 \$67,531.00
June 1, 2031 – May 31, 2032 June 1, 2032 – May 31, 2033 June 1, 2033 – May 31, 2034 June 1, 2034 – May 31, 2035 June 1, 2035 – May 31, 2036	\$69,557.00 \$71,644.00 \$73,793.00 \$76,007.00 \$78,287.00
3 June 1, 2036 – May 31, 2037 June 1, 2037 – May 31, 2038 June 1, 2038 – May 31, 2039 June 1, 2039 – May 31, 2040 June 1, 2040 – May 31, 2041	\$80,636.00 \$83,055.00 \$85,547.00 \$88,113.00 \$90,756.00
4 June 1, 2041 – May 31, 2042 June 1, 2042 – May 31, 2043 June 1, 2043 – May 31, 2044 June 1, 2044 – May 31, 2045 June 1, 2045 – May 31, 2046	\$93,479.00 \$96,283.00 \$99,171.00 \$102,146.00 \$105,210.00