

at&t

CCCN

4277 NW 74th STREET
COCONUT CREEK, FL 33073

LTE OVERLAY

REV	DATE	DESCRIPTION
A	6/27/11	PRELIMINARY
B	8/31/11	REVISED
0	9/14/11	FOR PERMIT
1	3/8/12	REVISED

PROJECT NO.:	11-450.18
DRAWN BY:	CHECKED BY:
C. TELLEZ	M. ABBEY

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CALTROP Telecom
3400 LAKESIDE DRIVE
SUITE 525
MIRAMAR, FL 33027
CERTIFICATE OF AUTHORIZATION 29214



PROFESSIONAL ENGINEER
MICHAEL A. PHILLIPS
LICENSE No. 68312
STATE OF FLORIDA
DATE OF SIGNATURE: 3/8/12

CCCN
4277 NW COCONUT CREEK
ADMINISTRATIVE APPROVAL 4-25-12
APPROVED
SHEET NUMBER
T1

LOCAL MAP



PROPERTY SUMMARY

FOLIO #: 4742-32-06-0012
LATITUDE: 26° 19' 27.48" N
LONGITUDE: 80° 10' 50.88" W
ZONING JURISDICTION: CITY OF COCONUT CREEK
ZONING CLASSIFICATION: AGRICULTURAL DISTRICT

LEGAL DESCRIPTION

THE NORTH BROWARD SCHOOL PLAT ALL OF PARCEL A TOGETHER WITH THE FOLLOWING PORTION OF PALM BEACH FARMS 2-53 PB DESC AS: TR 25 E 332.5 & TR 28 W 1/2 & TR 29 W 1/2 ALL LYING S OF CANAL, TOGETHER WITH PORTION OF VAC 30 RD R/W LYING BETWEEN SAID PORTIONS OF TRS; TR 30 E 50 & E 50 OF S 1/2 VAC RD; TR 37 LESS W 50; TR 38 ALL LYING S OF CANAL BLK 83 & TOGETHER WITH MARBLE HEAD SUBDIVISION SEC 1 165-49 B LOTS 1 THRU 10 & VAC R/W PER RESOLUTION 2004-276

DESIGN CRITERIA

DESIGN WIND SPEED: 140 MPH (3-SECOND GUST)
IMPORTANCE FACTOR: 1.0
EXPOSURE: C
CATEGORY: II
Gcpi: 0.00

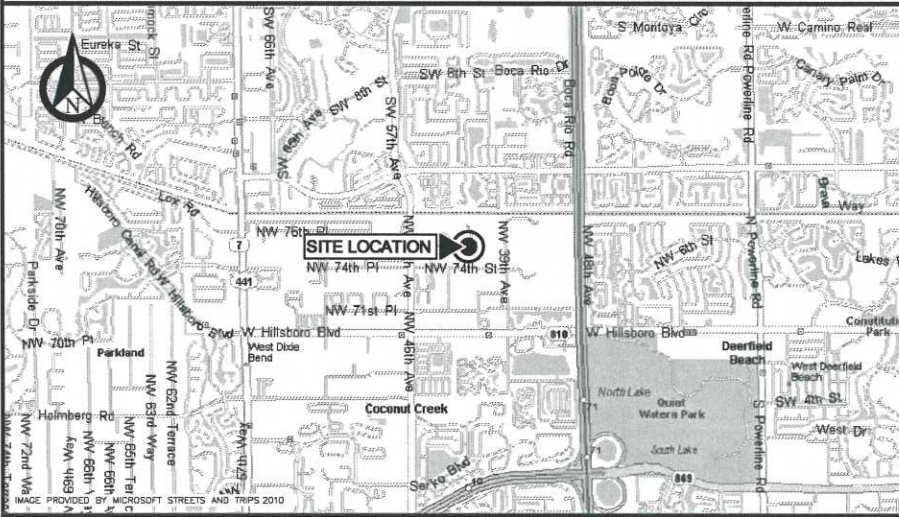
CONSTRUCTION NOTES

- ALL NEW BUILDINGS AND STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH ALL APPLICABLE BROWARD COUNTY BUILDING CODES, AND THE 2007 EDITION OF THE FLORIDA BUILDING CODE, WITH 2009 AMENDMENTS, FOR DESIGN PRESSURES GENERATED BY NOMINAL DESIGN 3-SECOND GUST WIND VELOCITY OF 140 MPH.
- CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- CONTRACTOR SHALL NOTIFY OWNER FOR ACCESS TO SITE.

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION	REV. NO.
T1	TITLE SHEET	1
C1	COMPOUND PLAN	1
C2	ELEVATION	0
C3	DETAILS	0
RF1	RF PLUMBING SHEET	0
E1	ELECTRICAL DETAILS	0
E2	GROUNDING DETAILS & NOTES	0

VICINITY MAP



RF DESIGN VERIFICATION

CONTRACTOR SHALL REQUEST CURRENT RFDS AND WORKBOOK FROM NSORO CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION

CONTACTS

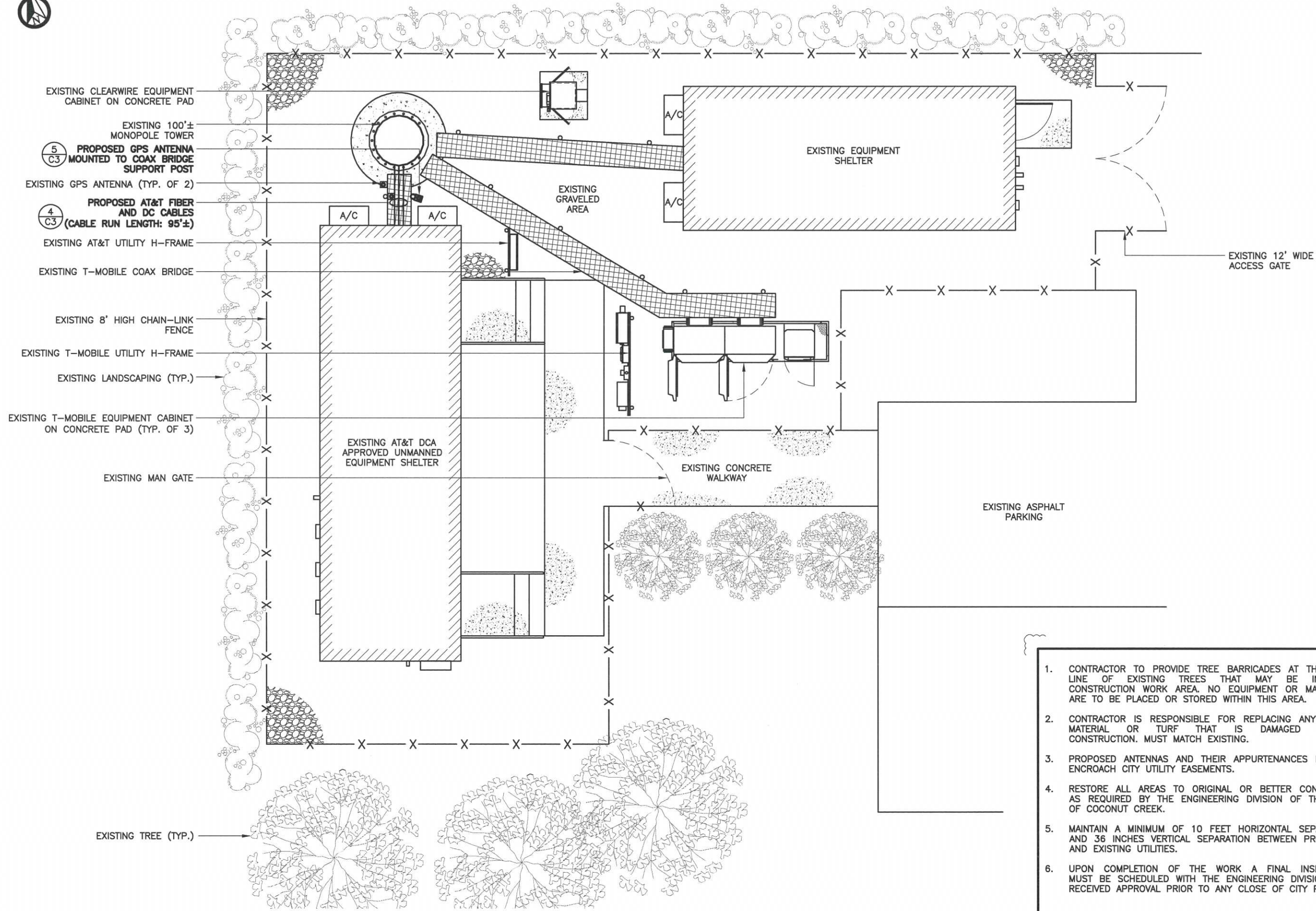
APPLICANT
JUAN BRUZON
AT&T MOBILITY
5201 CONGRESS AVENUE
BOCA RATON, FL 33487
(954) 778-3632
PROPERTY OWNER CONTACT:
LANDLORD: NORTH BROWARD PREP. SCHOOL, LTD.
ADDRESS: 3000 W. CYPRESS CREEK ROAD
CITY, STATE, ZIP: FORT LAUDERDALE, FL 33309

PROJECT INFORMATION

- THIS IS AN UNMANNED FACILITY AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
- AT&T CERTIFIES THAT THIS EQUIPMENT FACILITY WILL BE SERVICED ONLY BY AT&T EMPLOYEES AND SUBCONTRACTORS AND THE WORK ASSOCIATED WITH ANY EQUIPMENT CANNOT BE PERFORMED BY HANDICAPPED PERSONS. THIS FACILITY WILL BE FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES ONLY.
- NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
- NO WASTEWATER WILL BE GENERATED AT THIS LOCATION.
- NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.

DRIVING DIRECTIONS

FROM AT&T'S OFFICE, HEAD SOUTH ON I-95 FOR 5.4 MILES TO EXIT 42 (HILLSBORO BLVD), HEAD WEST ON HILLSBORO BLVD FOR 4.3 MILES TO NW 46th AVE, TURN RIGHT AND HEAD NORTH FOR 0.4 MILES TO NW 74th STREET, TURN RIGHT AND HEAD EAST FOR 0.3 MILES TO SITE ON THE LEFT SIDE OF ROAD.



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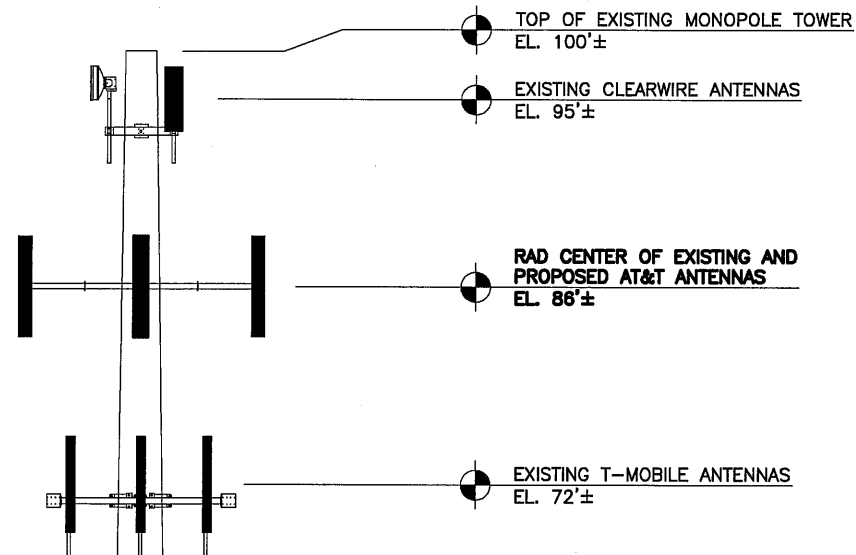
CCCN
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SHEET NAME
 COMPOUND PLAN

SHEET NUMBER
 C1

1. CONTRACTOR TO PROVIDE TREE BARRICADES AT THE DRIP LINE OF EXISTING TREES THAT MAY BE IN THE CONSTRUCTION WORK AREA. NO EQUIPMENT OR MATERIALS ARE TO BE PLACED OR STORED WITHIN THIS AREA.
2. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PLANT MATERIAL OR TURF THAT IS DAMAGED DURING CONSTRUCTION. MUST MATCH EXISTING.
3. PROPOSED ANTENNAS AND THEIR APPURTENANCES NOT TO ENCROACH CITY UTILITY EASEMENTS.
4. RESTORE ALL AREAS TO ORIGINAL OR BETTER CONDITIONS AS REQUIRED BY THE ENGINEERING DIVISION OF THE CITY OF COCONUT CREEK.
5. MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL SEPARATION AND 36 INCHES VERTICAL SEPARATION BETWEEN PROPOSED AND EXISTING UTILITIES.
6. UPON COMPLETION OF THE WORK A FINAL INSPECTION MUST BE SCHEDULED WITH THE ENGINEERING DIVISION AND RECEIVED APPROVAL PRIOR TO ANY CLOSE OF CITY PERMIT.

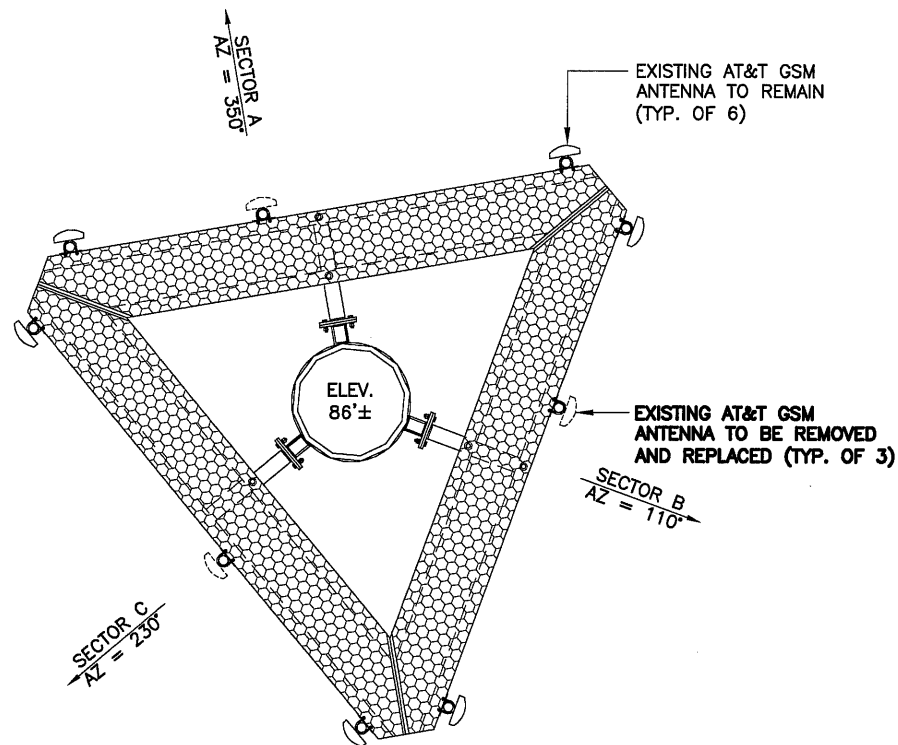




NOTE:

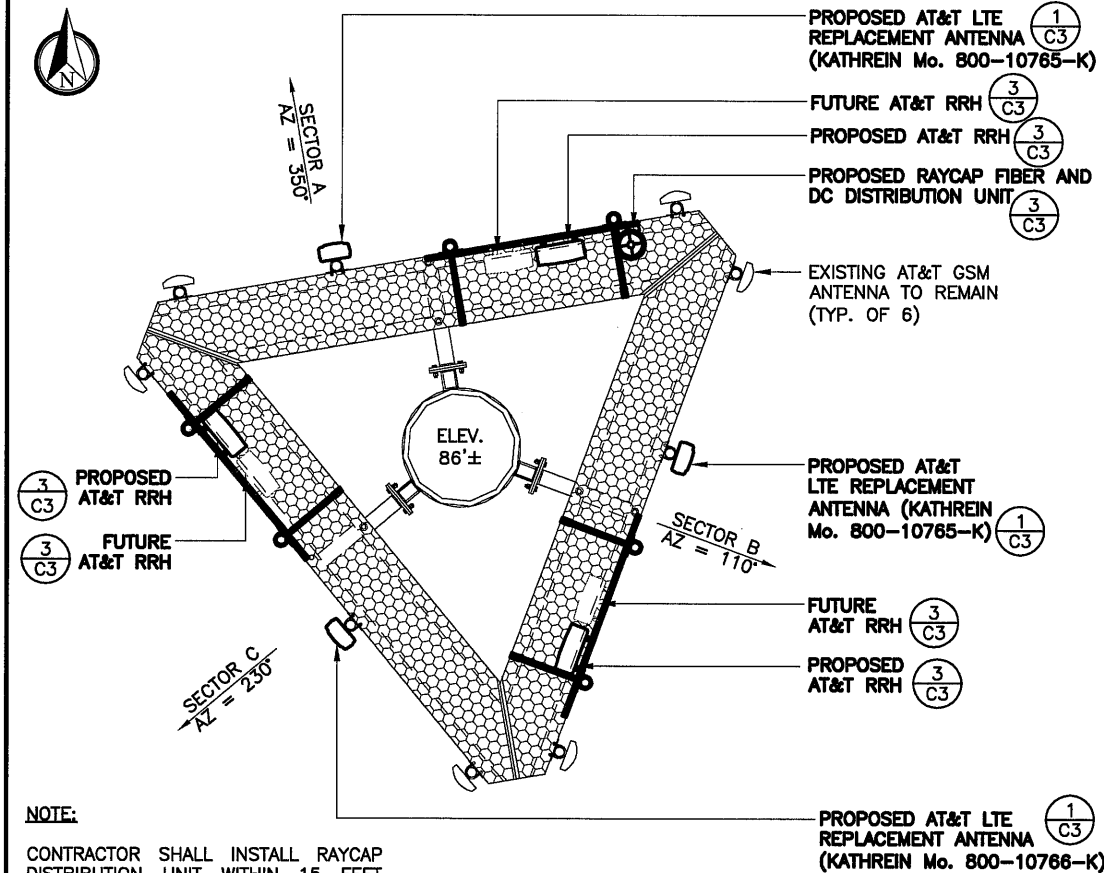
THIS DRAWING IS INTENDED TO DEPICT THE GENERAL LOCATION AND HEIGHT OF THE PROPOSED ANTENNAS ON THE EXISTING TOWER. CONSTRUCTION SHALL NOT PROCEED UNTIL A STRUCTURAL ANALYSIS REPORT HAS BEEN COMPLETED BY A PROFESSIONAL ENGINEER REGISTERED IN THIS STATE, CONCLUDING THAT THE EXISTING TOWER IS STRUCTURALLY ADEQUATE TO RESIST THE EXISTING AND PROPOSED LOADS.

	EXISTING	PROPOSED
PANEL ANTENNAS	(3) KATHREIN 742-264 (6) KATHREIN 800-10122	(2) KATHREIN 742-264 (4) KATHREIN 800-10122 (2) KATHREIN 800-10765-K (1) KATHREIN 800-10766-K
COAX CABLE	(12) 1 1/8" COAX (6) 7/8" COAX	(2) 3/8" ROSENBERGER THREE PAIR POWER CABLE (1) 3/8" ROSENBERGER 12-PAIR FIBER CABLE (3) 3/8" RET CONTROL CABLE (TYP. 1 PER SECTOR) (6) 7/8" COAX (12) 1 1/8" COAX
TMA'S	(4) ATM19801712-0 (2) ATM192012B-0	(4) ATM19801712-0 (2) ATM192012B-0
RRH'S	-	(3) 700 Mhz RRH (ERICSSON RRHs-11) (3) AWS RRH (FUTURE)



EXISTING ANTENNA LAYOUT

NTS 2



NOTE:

CONTRACTOR SHALL INSTALL RAYCAP DISTRIBUTION UNIT WITHIN 15 FEET FROM ALL RRH'S.

PROPOSED ANTENNA LAYOUT

NTS 3

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

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SHEET NAME
ELEVATION

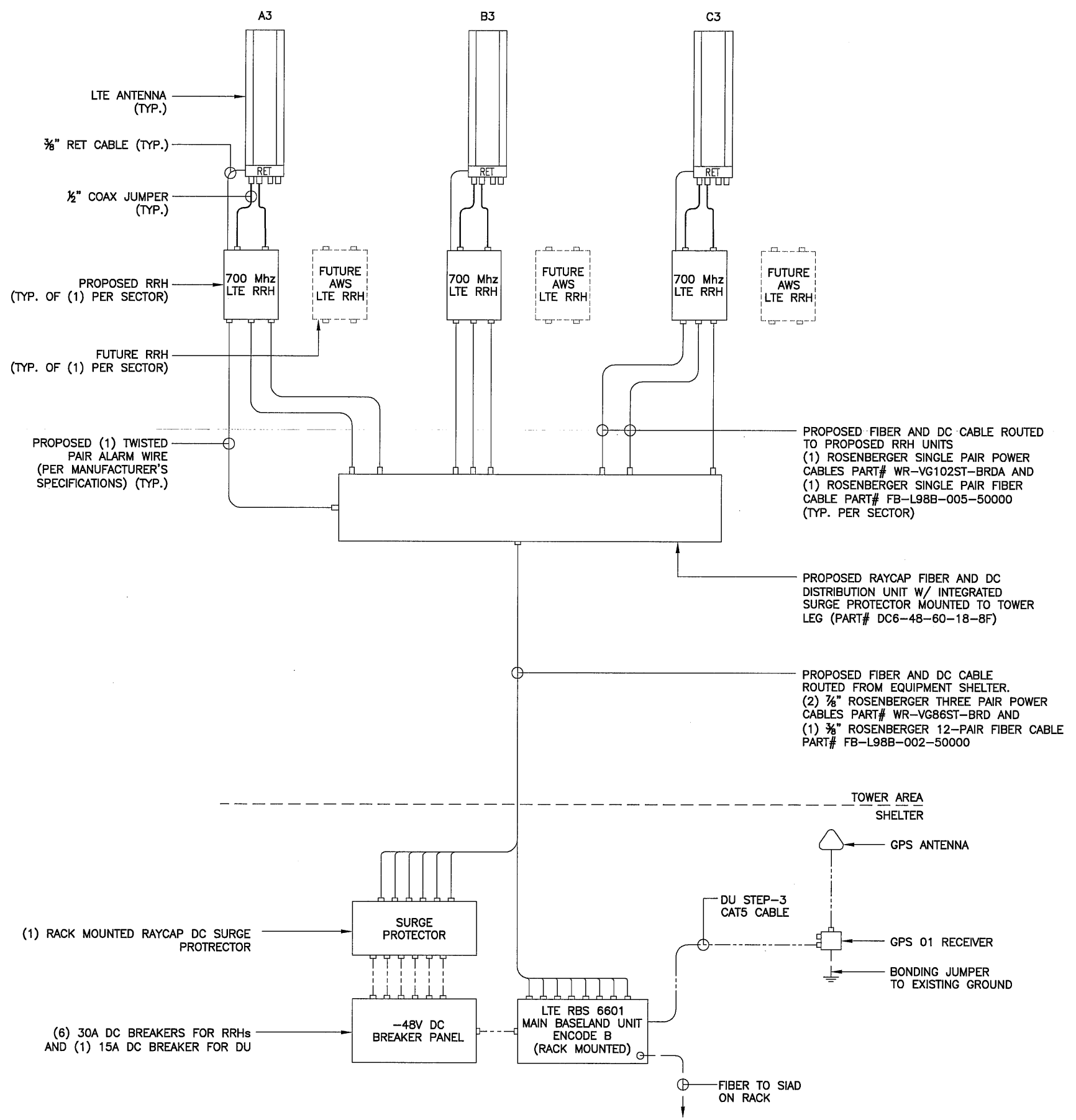
SHEET NUMBER
C2

ELEVATION

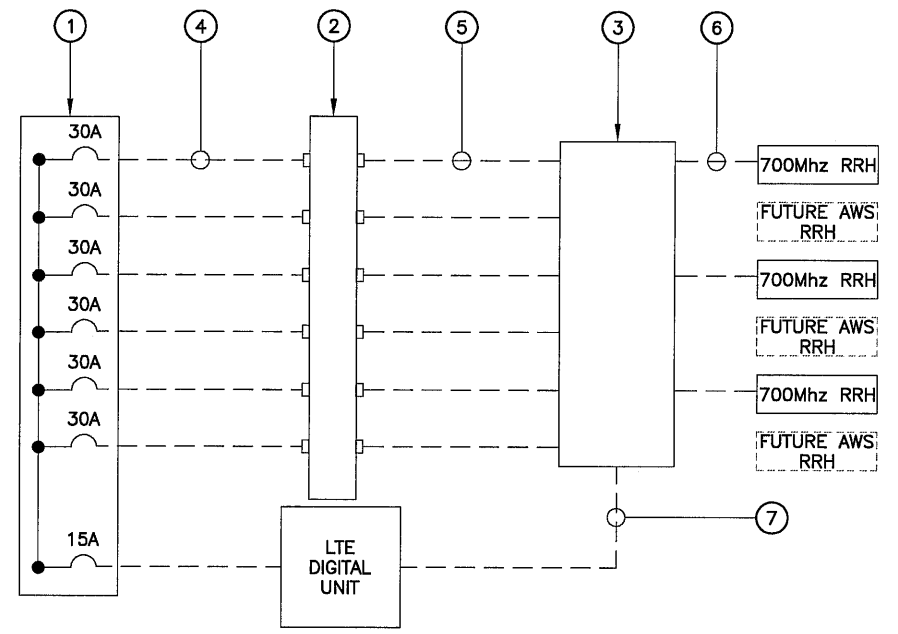


1

C2



RISER DIAGRAM



DC RISER DIAGRAM

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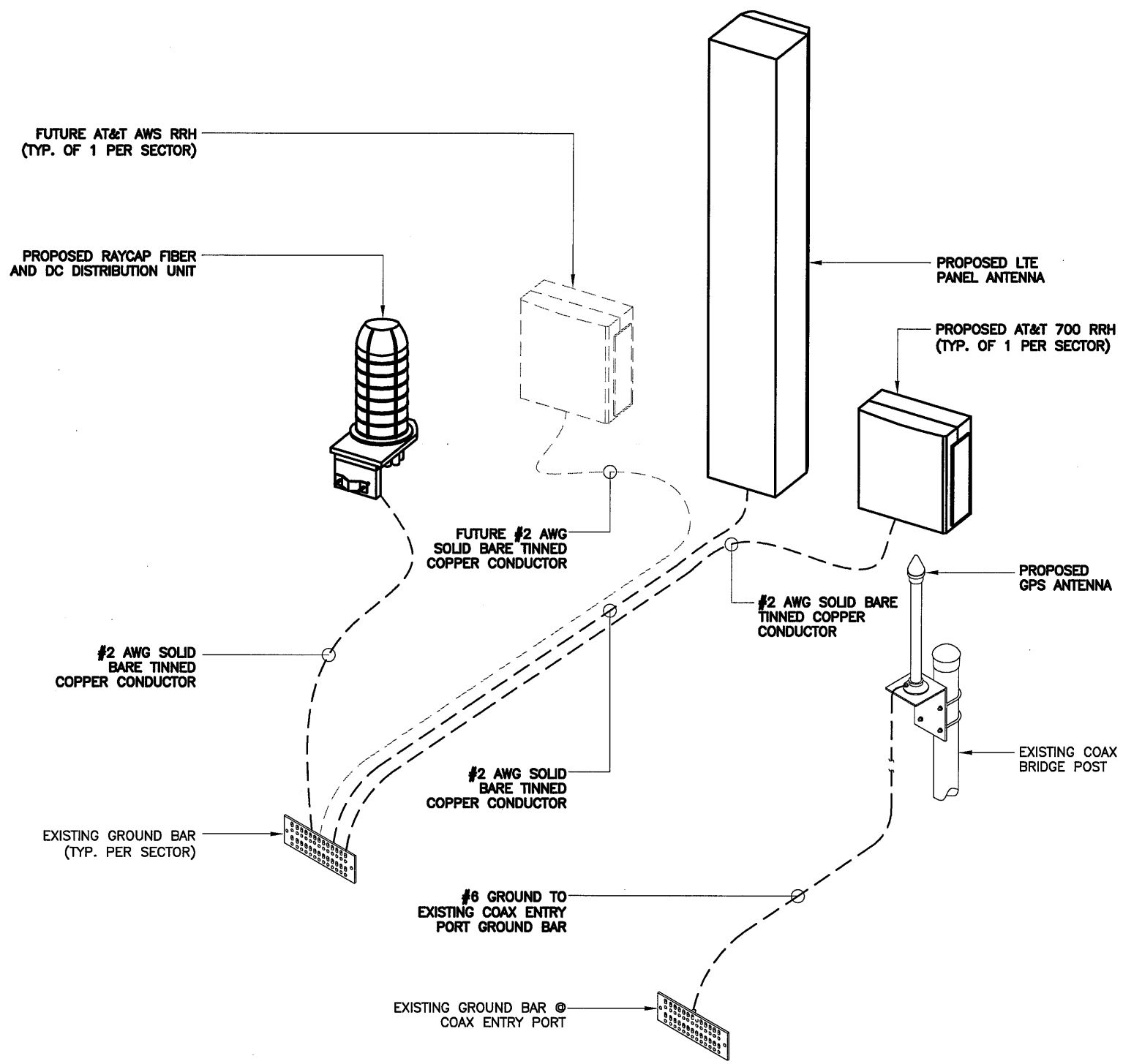
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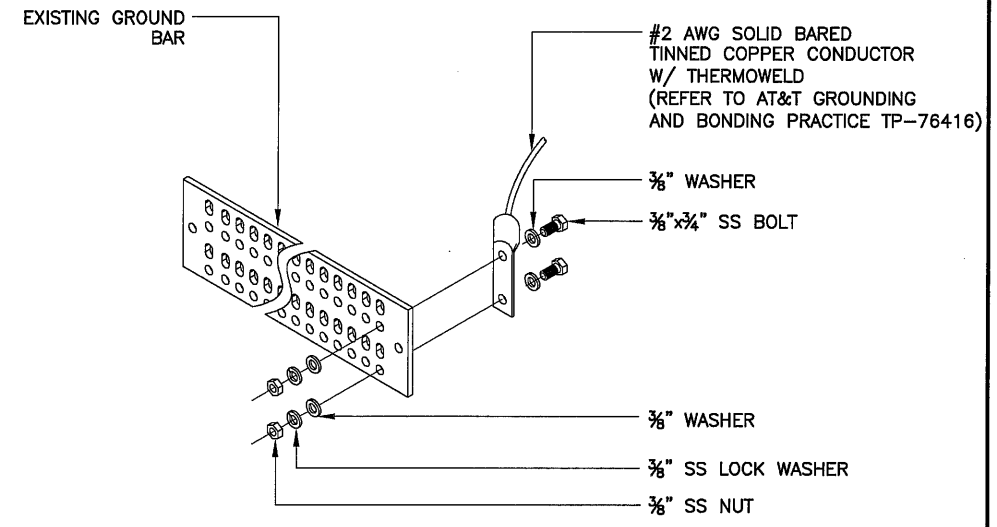
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SHEET NAME
 ELECTRICAL
 DETAILS

SHEET NUMBER
 E1



NOTE:
CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.



TYPICAL GROUND BAR CONNECTION DETAIL

1. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
2. GUARANTEE/WARRANTY: GUARANTEE INSTALLATION TO BE FREE OF DEFECTS, SHORTS, GROUNDS, ETC., FOR A PERIOD OF ONE YEAR. FURNISH WARRANTY SO THE DEFECTIVE MATERIAL AND/OR WORKMANSHIP WILL BE REPAIRED/REPLACED IMMEDIATELY UPON NOTIFICATION AT NO COST TO THE OWNER FOR PERIOD OF WARRANTY.
3. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
4. 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.
5. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
6. 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 3R (OR BETTER) OUTDOORS.
7. 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 3R (OR BETTER) OUTDOORS.
8. 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.
9. 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.
10. CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.

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Professional Engineer Seal for Michael A. Phillips, License No. 68312, State of Florida. Date of Signature: 9/14/11.

CCCN
4277 NW 74th STREET
COCONUT CREEK, FL 33073
SHEET NAME: GROUNDING DETAILS & NOTES
SHEET NUMBER: E2