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M. ABBEY	B. RODRIGUEZ		
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Telecom CALTROP

CERTIFICATE OF AUTHORIZATION 29214 WIKAWAR, FL 33027 SUITE 525 3400 LAKESIDE DRIVE

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COCONUT CREEK ATE OF SIGNATURE!!!! No. 68312

CITY HALL

FB2181A

COCONOL CREEK, FL 33063 4800 W COPANS ROAD

TITLE SHEET

SHEET NUMBER

COCONUT CREEK CITY

COCONNI CREEK, FL 33063 4800 M COPANS ROAD

FB2181A

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COLOCATION

		INDEX OF DRAWINGS	DESIGN CRITERIA	SCODE OF WORK	LOCAL MAP
	REV.	HT. DESCRIPTION	132 MPH (NOMINAL, 3-SECOND GUST) N	FOULTHING WITHIN EXISTING FENCED COMPOUND AND NEW	
BO	0	TI TITLE SHEET	BIZK CATEGORY: 11		S of different
	0	LS NOTES			nueco g (n)g (n)g
	0	COMPOUND PLAN	\Box		1989 1 S 1987 W
	0	SS EQUIPMENT PLAN			
ا تا ا	0	53 ELEVATION AND MOUNTING DETAILS		PROPERTY SUMMARY	900 app
-	0	24 DELVICS		FOLIO #: 4842 19 08 2220	
	0	SS DETAILS			
		22 DELAII 2 29 DELAIF2	IMORITE OZY	CONCITUDE: 80.187714 W	SILE FOCYLION S
1		T ELECTRICAL AND GROUNDING NOTES	201LE 500	ZONING JURISDICTION: CITY OF COCONUT CREEK	
1	0	E1 ELECTRICAL AND GROUNDING NOTES 2,1 UTILITY ROUTING SITE PLAN	07000 T L 1700 NOC	LEGAL DESCRIPTION	
	0	S.2 UTILIY ROUTING EQUIPMENT PLAN			
<u>~</u>	0	EZ ELECTRICAL DETAILS	DEODEDIX OWNED COLLACT	TARTAN COCONUT CREEK PHASE I 103-29 B TR DD,TR CC & POR OF TR 42,DESC AS,BEC NE COR TR 42,5 40,03,5W	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0	43 GROUNDING PLAN AND NOTES 31 ECTRICAL DETAILS 35	avod silvado in boay	100.72,5 150,5W 42.41,W 158,5W 100.13,W 30.03,WW 471.14 E 598,06 TO POB TOG/W LYONS WEST 137-40 B TR CF-1,TOG/W PALM BEACH FARMS 2-54 PB POR OF TR 3,	
. F.f	0	E ELECTRICAL DETAILS 6 GROUNDING DETAILS	COCONUT CREEK, FL 33063	DESC AS BEG SE COR TR 3 NLY 447.85,5WLY 587 TO P/T	
				DESC IN OK 12865/757 BLK 93 SWLY 145.90 TO S/L OF TR 3,ELY 575.12 TO POB,LESS PAR	OLUC SHEEL & SIZERIZ LASSOROM NE OZIONANH SOV
1:6/			E CODE2	APPLICABL	VICINITY MAP
PRO CONTRACTOR	 		TIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL	THE CONTRACTOR WORK SHALL COMPLY WITH ALL APPLICABLE NA	The Bounds ANN
			HE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN DESIGN.	EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE D	
			SUPPLEMENT.	BUILDING CODE: FLORIDA BUILDING CODE (FBC) 2010, WITH 2012	
DATE				ELECTRICAL CODE: NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	Xiaa Spullika Spulli
77 ,	100°		-	MECHANICAL CODE: FBC MECHANICAL CODE 2010,	Continuo Con
	1-6	RF DESIGN VERIFICATION	OTECTION CODE: WEPA 780 EDITION 2004.	FIRE CODE: 2010 FLORIDA FIRE PREVENTION CODE, LIGHTNING PRO	ESMA-EMENT
		7 7 7	DITION OF THE FOLLOWING STANDARDS. AMERICAN CONCRETE URAL CONCRETE. AMERICAN INSTITUTE OF STEEL CONSTRUCTION	THE CONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EINSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTION, LRFD 134h. EDITION (AISC), MANUAL OF STEEL CONSTRUCTION, LRFD 134h. EDITION STRUCTION, LRFD STAMBARDS FOR STELEL ANTENNA TOWER AND ANTEN STRUCTION, LRFD 134h. EDITION STRUCTION STRU	WATER COCATION Some of the control o
		DESIGN RABED ON NEDS DATED O CONSTRUCTION O CONSTRUCTION O CONSTRUCTION	E) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND	INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEE! IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT.	PNeig 1800 Da skedag Av
		CONSTRUCTION	LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY	"C3" AND "HICH SYSTEM EXPOSURE").	
	ł I		112 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	TEL CORDIA CRE-1936 CENERAL INSTALLATION REQUIRENTENTED TEL	

TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS, TELCORDIA GR-1503, COAXIAL CABLE CONNECTIONS, ANSI T1.311,

FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION.

YZ MOKK OF OTHERS' SECTIONS. AND TYPE OF WELD, PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLED OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED OF CUTS, CONNECTIONS, CAMBER, HOLE, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS A2.1 AND A2.4 SYMBOLS, AND SHOW SIZE, LENGTH, SUBMIT ORIGINAL SHOP DRAWINGS, INCLUDING COMPLETE DETAILS, SCHEDULES OF FABRICATION AND ASSEMBLY, PROCEDURES, AND DIAGRAMS. INCLUDE DETAILS

SENICES WAY BE USED FOR ERECTION PURPOSES. IF FIELD SPLICES ARE USED, THE SHOP DRAWINGS SHALL INCLUDE ALL DETAILS FOR THE PROPOSED FIELD THE CONTRACTOR/STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION, AT THE CONTRACTOR'S OPTION, FIELD

THE CONTRACTOR/STEEL FABRICATOR SHALL CAP OR SEAL ALL PIPES AS REQUIRED TO PREVENT WATER INTRUSION.

ALL BOLTS SHALL BE GALVANIZED %" DIAMETER, A325-N, UNLESS NOTED OTHERWISE AND TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC.

A153 STANDARDS, UNLESS NOTED OTHERWISE D. ALL STRUCTURAL PIPE MEMBERS SHALL BE ASTM A500 GRADE B (Fy=42ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM

STANDAKUS. ALL TS MEMBERS SHALL BE ASTM A500 GRADE B (Fy=46ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 STANDARDS, UNLESS NOTED OTHERWISE,

B. ALL STRUCTURAL PLATES, ANGLES, AND CHANNELS SHALL BE ASTM A36 AND "HOT DIPPED" CALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 A. ALL STRUCTURAL STEEL WF BEAMS SHALL BE ASTM A992 AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND AST STANDARDS. 2. MATERIAL:

ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE LATEST EDITION OF THE AISC "STEEL CONSTRUCTION MANUAL".

11. SITE SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR SUCH SIGNAGE AS MAY BE CONTAINED IN THESE DRAWINGS.

FOR EROSION AND SEDIMENT CONTROL.

STABILIZED TO PREVENT EROSION, EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES UNIFORM SLOPE. SUCH GRADING SHALL CAUSE SURFACE WATER TO FLOW AWAY FROM ANY EQUIPMENT SHELTER AND TOWER AREAS AND THE SOIL SHALL BE ANY AREAS OF THE CONSTRUCTION SITE DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEMAY, SHALL BE GRADED TO A

6. DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION SHALL BE MINIMIZED.

CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS THAT WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVED OF THE CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS THAT WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVED AND/OR

RUBBISH, STUMPS, DEBRIS, STICKS, STOKES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.

SHALL BE USED WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES.

2. THE INSTALLATION OF NEW UTILITIES SHALL BE COORDINATED WITH LOCAL AUTHORITIES.

THE APPROPRIATE UTILITY LOCATING SERVICES SHALL BE CONTACTED PRIOR TO THE START OF CONSTRUCTION IN ORDER TO VERIFY THE EXACT LOCATION OF ALL

10. AT THE CONTRACTOR'S OPTION, SHOP WELDS MAY BE USED INSTEAD OF FIELD WELDS.

UNDER ANY CIRCUMSTANCES WITHOUT APPROVAL OF THE ENGINEER.

ALL STRUCTURAL STEEL SHALL BE FABRICATED TO FIT AT BOLTED CONNECTIONS WITHIN 1/16 INCH TOLERANCE. STRUCTURAL STEEL SHALL NOT BE FLAME CUT

THE CONTRACTOR/STEEL FABRICATOR SHALL CONFORM TO THE MINIMUM EDGE DISTANCE REQUIREMENTS IN ACCORDANCE WITH THE AISC MANUAL OF STEEL

CONFLICT WITH THE REINFORCEMENT WHEN INSTALLING ANCHORS. THE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTION. THE CONTRACTOR/STEEL FABRICATOR SHALL LOCATE ANY REINFORCEMENT IN THE STRUCTURAL MEMBERS IN SUCH A MANNER SO THAT THERE WILL NOT BE

SECURE NUT WITH LOCKING WASHER.

ALL STEEL SHALL BE APADE WITH ETOXX LOW HYDROGEN ELECTRODES.

ALL WELDS, WELDERS, AND WELD INSPECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AWS D 1.1, LATEST REVISION. MELDING:

DESIGN, FABRICATION, AND CONSTRUCTION OF ALL CONNECTIONS SHALL CONFORM TO AISC STEEL CONSTRUCTION MANUAL.

ALL NON-STRUCTURAL PIPE MEMBERS SHALL BE ASTM A53 GRADE B, AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153

SILE MORK NOTES

10. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL TO OR BETTER CONDITION THAN ORIGINAL.

FREE OF ALL ROOTS, BOULDERS, OR OTHER DELETERIOUS MATERIAL.

BACKFILL SHALL CONSIST OF CLEAN SAND FILL APPROVED FOR USE BY THE ENGINEER, NO UNAPPROVED MATERIAL WILL BE ALLOWED, CLEAN SAND FILL SHALL BE

8. THE SUB-GRADE SHALL BE COMPACTED AND BROUGHT TO A UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.

LANDLORD AND/OR LOCAL UTLITES.

BEGNIKED FOR THE PROPER EXECUTION OF THE WORK, SUCH UTLITIES SHALL BE RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. EXTREME CAUTION ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. WHERE

EXIZUME ONDERGROOND OUTILIES'

TESTED, ADJUSTED AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO THE OWNER'S ACCEPTANCE. CLOSEOUT DOCUMENTATION AS REQUIRED BY THE OWNER, ALL SYSTEMS SHALL BE COMPLETELY ASSEMBLED, COMPLETE SET OF AS-BUILT DRAWINGS, SWEEP TEST, CYLINDER TESTS, LIEN RELEASES, AND OTHER 15. WITHIN TEN (10) WORKING DAYS AFTER PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A

AUTHORIZED REPRESENTATIVE. INCTODING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE OWNER'S TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK, ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL OF THE CONSTRUCTION MEANS, METHODS, 14. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AT ALL TIMES, USING THE BEST SKILLS AND

AS LOCAL AND STATE CODES, ORDINANCES AND APPLICABLE REGULATIONS. INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AS WELL 1 PECHANICAL AND ELECTRICAL SYSTEMS SHALL BE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY HAVING

CODES, RECULATIONS AND ORDINANCES. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL 13. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CONTRACT DOCUMENTS OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

WANDFECTURER'S RECOMMENDATIONS EXCEPT WHERE IT IS SPECIFICALLY INDICATED OTHERWISE IN THE 12. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE

CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. DISPOSING OF SAME IN A LEGAL MANNER. (2) UPON COMPLETION, LEAVE THE PREMISES IN A CLEAN

GENERAL AREA CLEAN AND HAZARD FREE, REMOVING ALL WASTE, DEBRIS AND TRASH FROM THE SITE AND 11. THE FOLLOWING CLEANUP TASKS SHALL BE PERFORMED AS FOLLOWS: (1) ON A DAILY BASIS, KEEP THE

OF THE CONSTRUCTION MANAGER,

RESTORED TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF ALL WORK TO THE SATISFACTION SAME RESULTING FROM THE CONSTRUCTION WORK, ALL DISTURBED AND DAMAGED AREAS SHALL BE CURBS, GALVANIZED SURFACES, ETC, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL NECESSARY PROVISIONS SHALL BE MADE TO PROTECT EXISTING IMPROVEMENTS, LANDSCAPING, PAVING,

THE CONTRACTOR'S OPERATIONS SHALL BE CONFINED TO AREAS OF NEW CONSTRUCTION.

NEWISDICTION AND SHALL DELIVER SUCH DOCUMENTS TO THE OWNER PRIOR TO FINE, ACCEPTANCE OF THE HAVING HAVING THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF

ON THESE DRAWINGS, CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE AS REQUIRED BY ACTUAL FIELD CONDITIONS. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN UNLESS OTHERWISE INDICATED BY DIMENSIONS OR DETAILS, EXACT EQUIPMENT LOCATIONS MAY BE MODIFIED THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT

AUTHORIZATION FROM THE CONSTRUCTION MANAGER TO PROCEED. DOCUMENTS, THE CONTRACTOR SHALL NOT START WORK ON SUCH TASKS WITHOUT HAVING RECEIVED WRITTEN FOR TASKS REQUIRED TO BE PERFORMED BUT NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT

WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS.

SYSTEMS, INCLUDING ALL ELEMENTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, AND/OR AS SPECIFIED HEREIN. LABOR AND MATERIALS SHALL BE FURNISHED AS REQUIRED FOR COMPLETE AND INCIDENTAL TO COMPLETION OF ALL WORK SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION AND TEMPORARY POWER SERVICES UECESSARY FOR

IN ADVANCE OF THE CONSTRUCTION START DATE.

THE CONTRACTOR'S USE OF A CONSTRUCTION STAGING AREA SHALL BE COORDINATED WITH THE OWNER WELL

A 20-FOOT HORIZOUTAL CLEARANCE DISTANCE SHALL BE MAINTAINED FROM ALL EXISTING POWER LINES.

TO THE ATTENTION OF THE CONSTRUCTION MANAGER.

CONFIRM WHETHER THE WORK MAY BE ACCOMPLISHED AS SHOWN, ANY DISCREPANCIES SHALL BE BROUGHT EXISTING CONDITIONS, (2) CONFIRM WHETHER ALL DIMENSIONS ARE AS SHOWN ON THE PLANS AND (3) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE JOB SITE IN ORDER TO (1) VERIFY ALL

CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)

иоітаяочяоо чоятіаи ENGINEER

> T-MOBILE USA OMNEB

1. FOR THE PURPOSES OF THESE CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:

DATE OF SIGNATURES IN THE W. ONL TANOIN 40180% : על The state of the s No. 683/12 S.N.S.

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NOTES

COCONUT CREEK, FL 33063 4800 W COPANS ROAD FB2181A

CITY HALL

COCONUT CREEK

1300 CONCORD TERRACE SUITE 200 SUNRISE, FL 33323 stick together

CERTIFICATE OF AUTHORIZATION 29214



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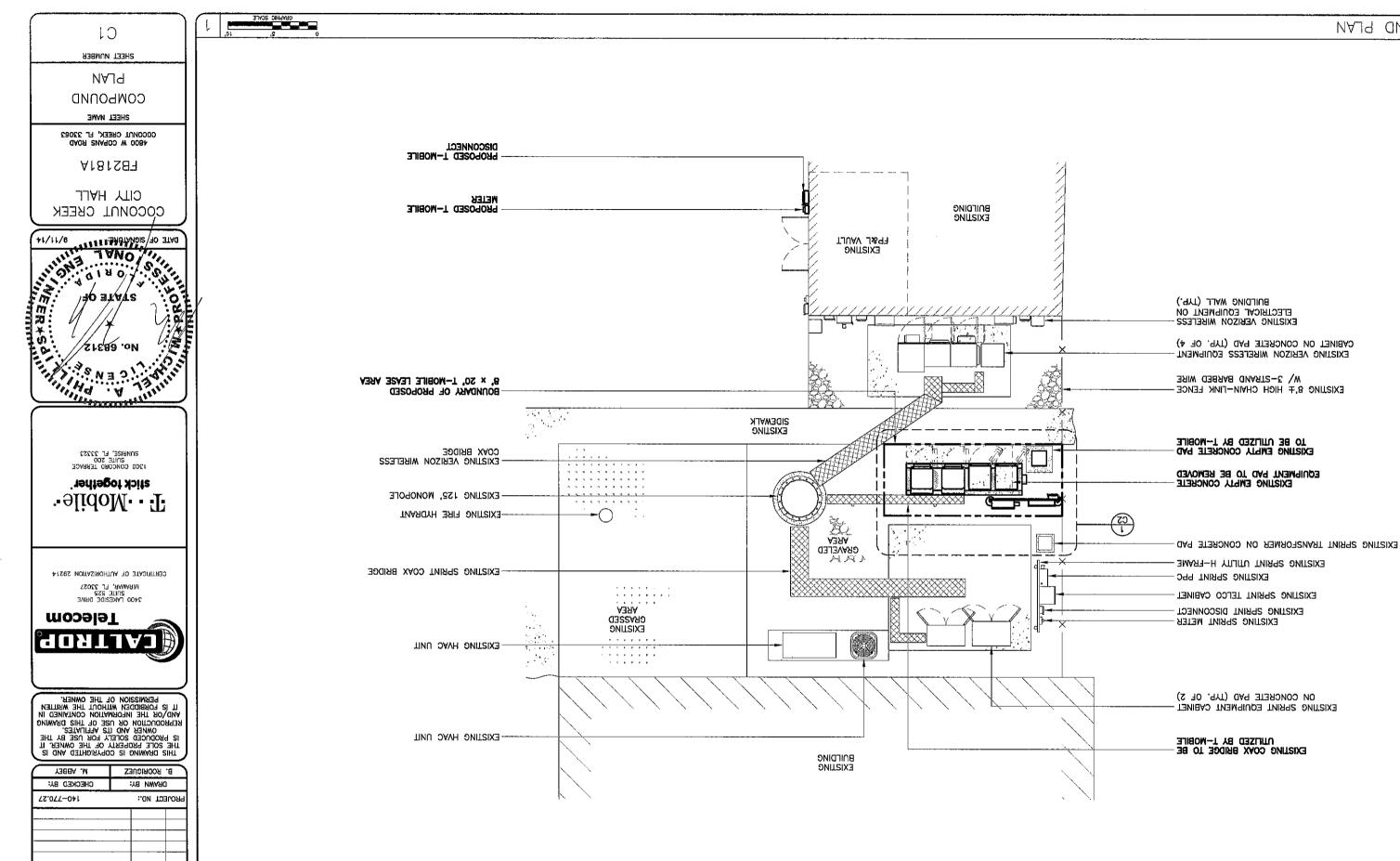
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B. RODRIGUEZ

M. ABBEY

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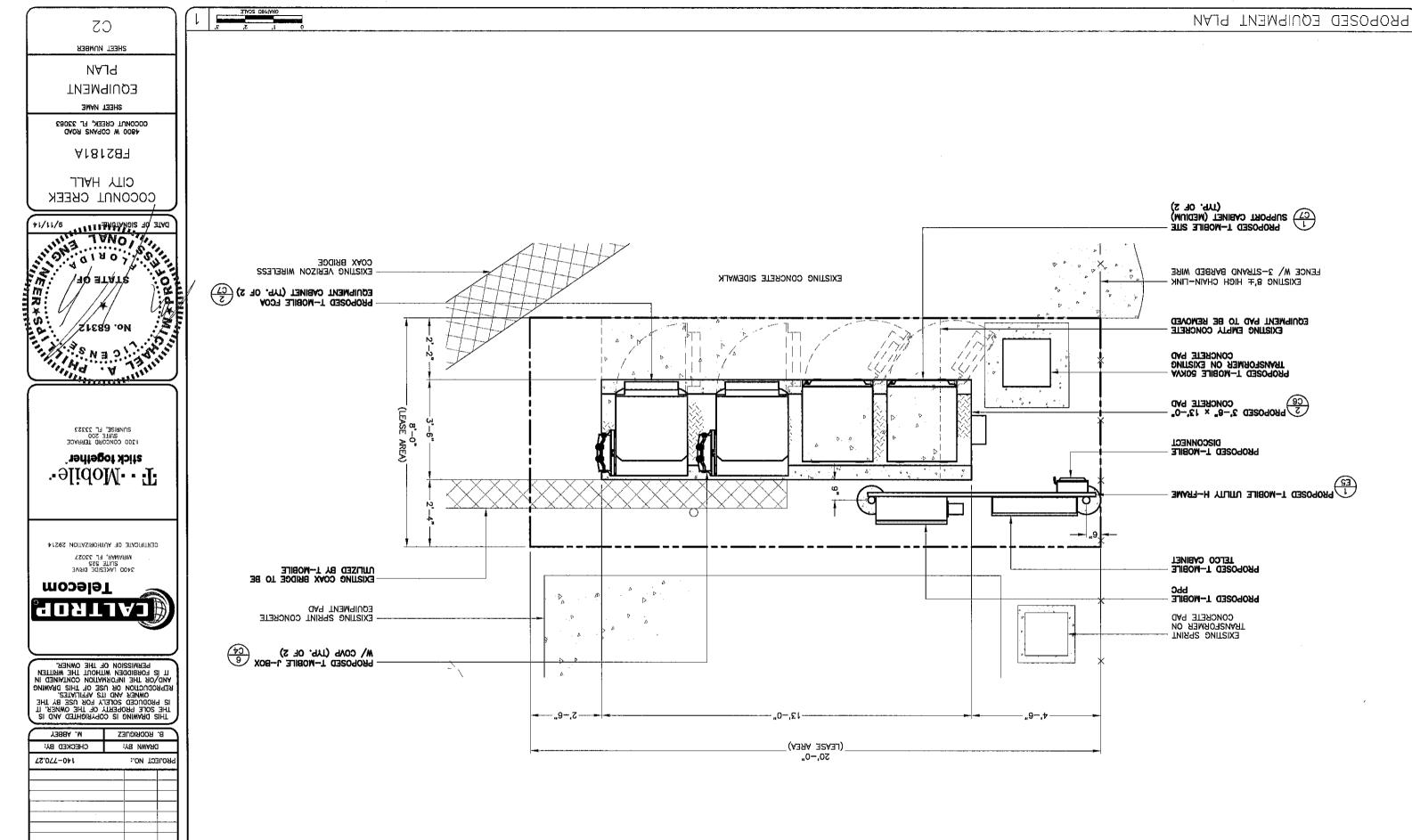
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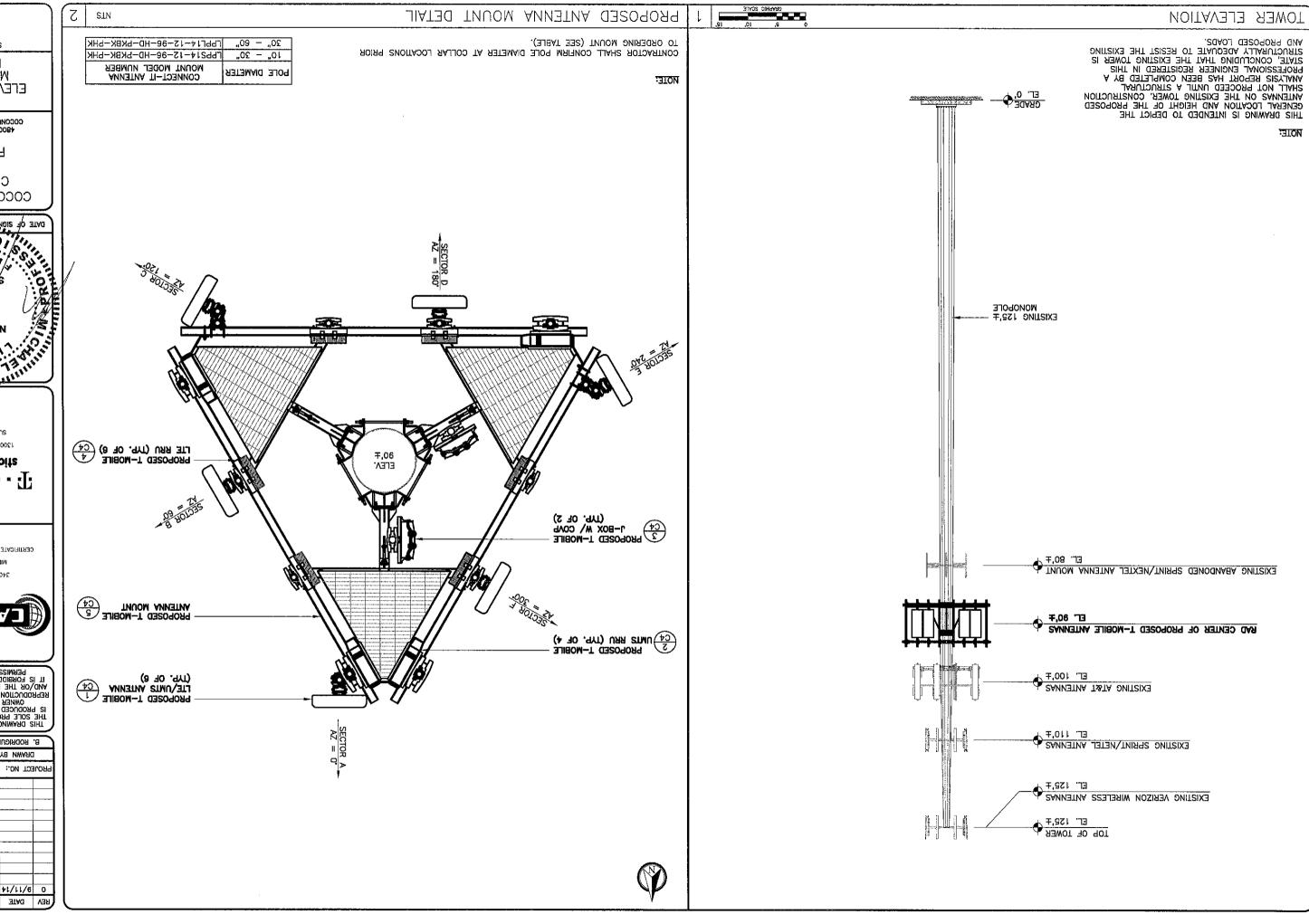
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SHEET NUMBER

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COCCOUNT CREEK, FL 33063 4800 W COPANS ROAD

FB2181A

COCONUT CREEK

DATE OF SIGNATURE OF 11/114

1300 CONCORO TERRACE SUITE 200 SUNRISE, FL 33323

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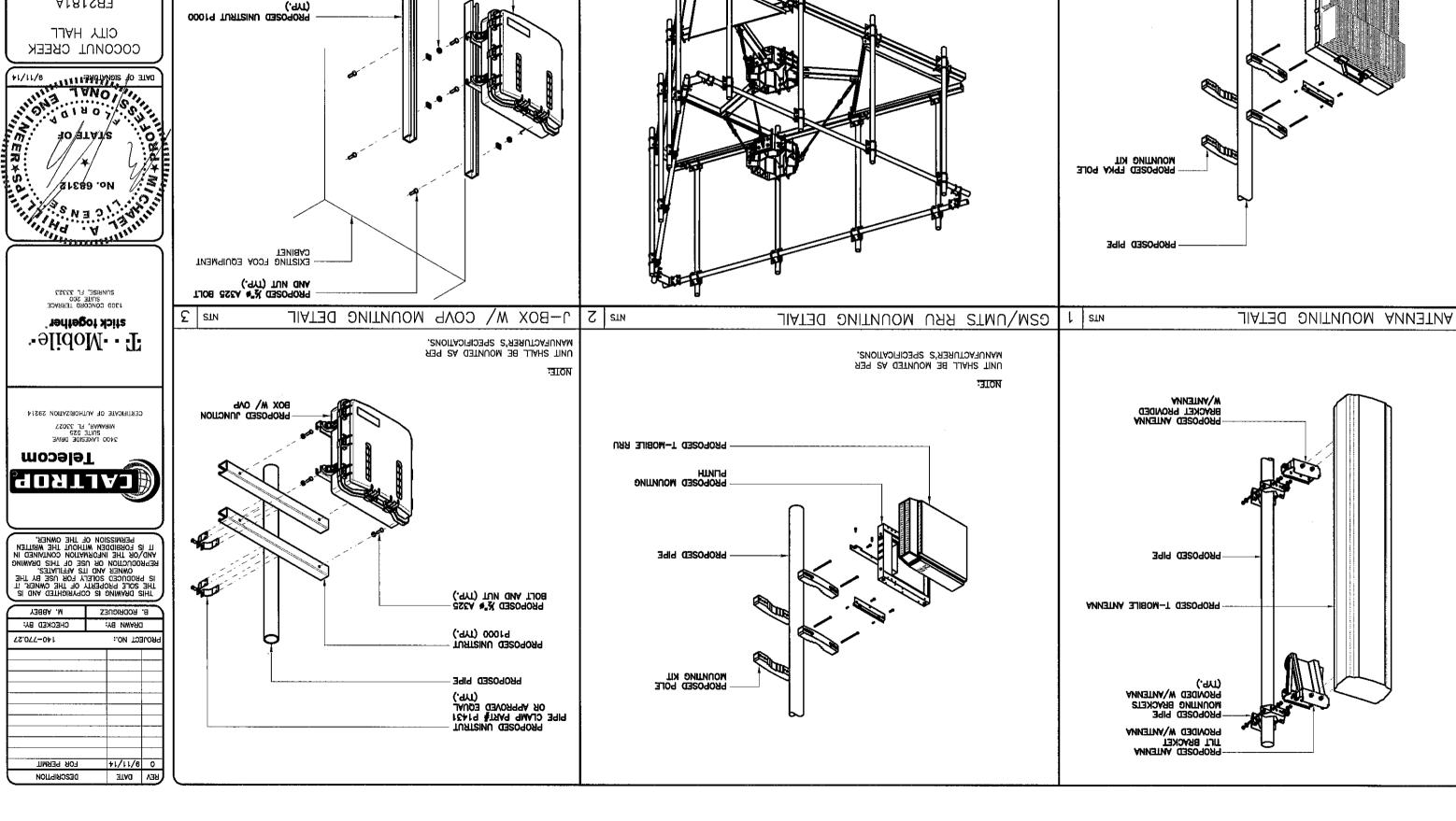
3400 LAKESIDE DRIVE SUITE 525 MIRAMAR, FL 33027

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M. ABBEY	B, Rodriguez		
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DESCRIPTION



SHEET NUMBER **DETAILS** SHEEL NAME COCONIL CREEK, FL 55063 4800 W COPANS ROAD FB2181A

9 STN 1-BOX W/ COVP MOUNTING DETAIL **C**

W/ COVP PROPOSED JUNCTION BOX

PROPOSED %** A325 BOLT (TYP.)

ANTENNA PLATFORM DETAIL

PROPOSED T-MOBILE ANTENNA-MOUNT (CONNECT-IT PART∳ LPPX14-12-96-HD-PHK) (SEE NOTE)

20" - 60" LPPL14-12-96-HD-PKBK-PHK LPPS14-12-96-HD-PKBK-PHK 10" - 30" MODEL NUMBER POLE DIAMETER

CONTRACTOR SHALL CONFIRM POLE TO ORDERING MOUNT (SEE TABLE).

PROPOSED LTE RRU

LTE RRU MOUNTING DETAIL

CP SHEET NUMBER STN

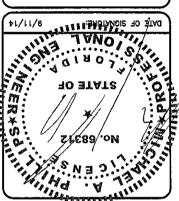
DETAILS

SHEET NAME

COCONUT CREEK, FL 33063

FB2181A

CITY HALL COCONUT CREEK



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CERTIFICATE OF AUTHORIZATION 29214

MIRAMAR, FL 33027 SUITE 525 JAMOR LAKESIDE DRIVE



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2400 LAKESIDE DRIVE SUITE 525 MIRAMAR, FL 33027

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STN

T-MOBILE FCOA

CABLE ENTRY HOLE

(SEE NOTE)

1300 CONCORD TERRACE SUITE 200 SUNRISE, FL 33323

COCONUT CREEK

FB2181A

COCONUT CREEK, FL 33063

SHEEL NAME

DETAILS

90

SHEET NUMBER

#S REBAR © 12" O.C. BOTH DIRECTIONS (NOT REQUIRED IF FIBERCRETE IS USED)

**S PREMARE (TYP.)

**S PREMARE PLASTIC SHEET OR EQUIRED IS 95% OF MODIFIED PROCTOR DENSITY

**PREMARE (TYP.)

**PREMARE (

1,-0.

<u>MOTE:</u> CHOICE OF FIBERCRETE OR CONCRETE PAD TO BE MADE IN FIELD BY T-MOBILE CONSTRUCTION MANAGER.

CABINET TO PLINTH CONNECTION DETAIL

* N'S'N (S 30 ,971)

(+) ¾ ₩ WONNLING HOTEZ

- PROPOSED TRIPLE BASE - HTML4

- PROPOSED UNISTRUT P1000T - (TYP. OF 2)

(MEDIUM) FOOTPRINT

PROPOSED T-MOBILE -

CONCRETE PAD DETAIL

(TYP. 0F 2)

_**\x+×+1

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MIRAMAR, FL 33027 SUITE 525 3400 LAKESIDE DRIVE

CERTIFICATE OF AUTHORIZATION 29214

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DATE OF SIGNATURE SELLS

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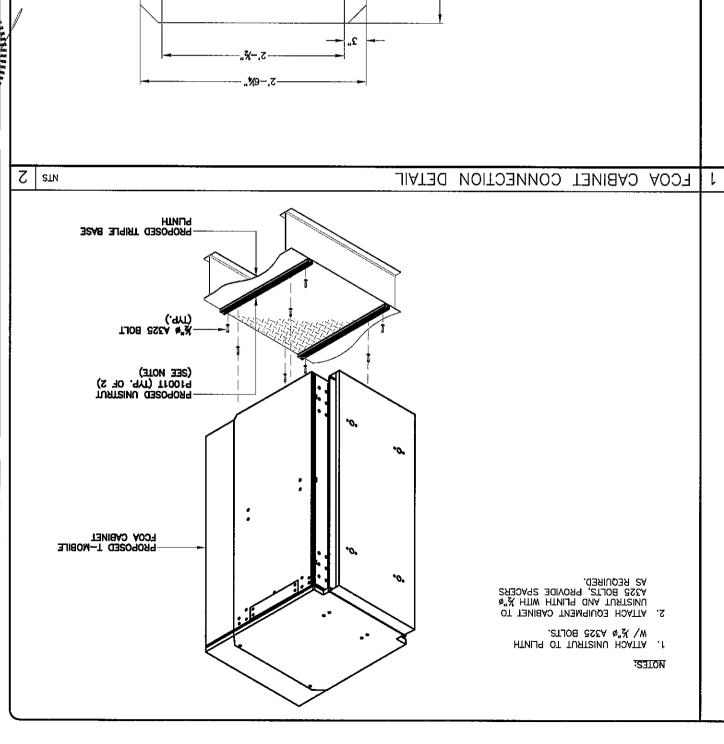
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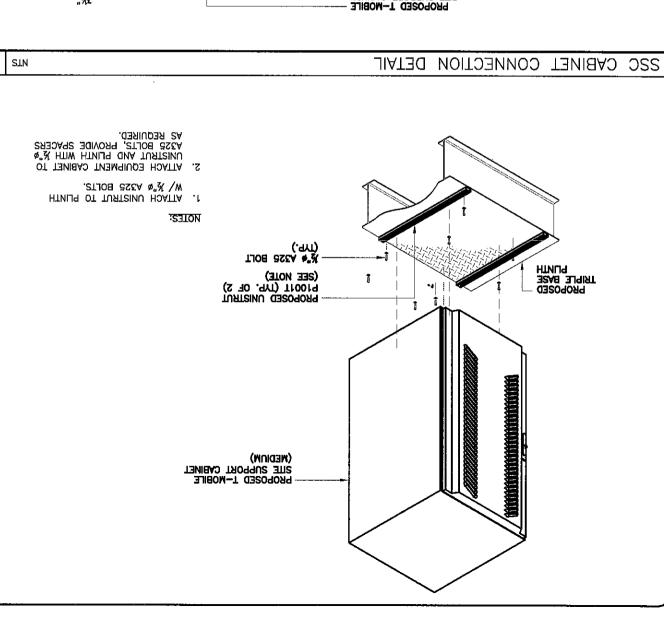
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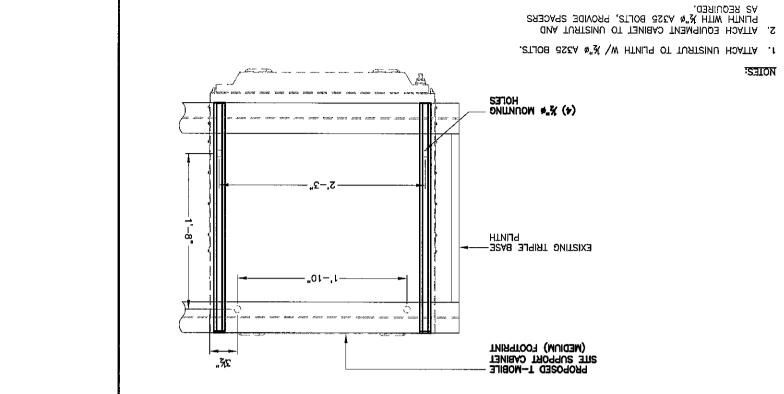
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HOFE

ENTRY CABLE FCOA CABINET MOUNTING FOOTPRINT





SSC CABINET MOUNTING FOOTPRINT

GROUNDING NOTES

49. CONTRACTOR SHALL VERIFY EXACT CONDUIT ROUTING FOR GROUNDING CONDUCTORS WHERE APPLICABLE.

ATO, DOUBLING OR STACKING OF ANY GROUNDING CONNECTIONS IS NOT ACCEPTABLE.

- BONDING OF GROUNDED CONDUCTOR (NEUTRAL) AND GROUNDING CONDUCTOR SHALL BE AT SERVICE DISCONNECTING MEANS. 'Ω∀ INFESTATION:
- ON DRAWINGS. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS TO PREVENT MOISTURE PENETRATION AND VERMIN MELATTIC CONDUIL SHATT BE REDED IN CONCRETE OF PERFERSING WALLS REQUIRED BY LOCAL CODES OR OTHERWISE INDICATED MELATTIC CONDUCTORS EMBEDDED IN CONCRETE OF PERFERSIVE WALLS AND FLOORS SHALL BE ENCASED IN PAC CONDUIT, NO
- HARDWARE SHALL BE USED THROUGHOUT. CONTRACTOR SHALL PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS, STRINLESS STEEL
- DSING EXOTHERMIC WELDS OR MECHANICAL CONNECTIONS.
- GROUNDING CONDUCTORS SHALL BE BONDED TO CABLE SUPPORTS, ANTENNA FRAMES, AND ANY SUPPORT FRAMES OR RACKS
- BARS SHALL BE 2-HOLE BRONZE COMPRESSION CONNECTORS UNLESS OTHERWISE NOTED. ALL BELOW GRADE CONNECTIONS SHALL BE CADWELD TYPE CONNECTIONS AND ALL CONNECTIONS TO EQUIPMENT AND GROUND
- GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AND DIRECT AS POSSIBLE WITH MINIMUM BEIND RADIUS OF 12 INCHES.
- AND SHALL BE ROUTED IN A DOWNWARD PATH TOWARDS GROUND BARS.
- AZ. GROUNDING CONDUCTORS SHALL BE #2 AWG TINNED SOLID BARE COPPER BELOW AND ABOVE GRADE, UNLESS OTHERWISE NOTED
- A1. INSTALLATION OF GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND WITH ALL BUILDING CODES OF AUTHORITIES HAVING JURISDICTION.
 - - V CENERAL

- EXTERNAL GROUND RING USING #2 AWG BARE TINNED SOLID COPPER ISOLATED IN PVC CONDUIT. 13. WHEN COAX CABLES ENTER A BUILDING FROM A TOWER, THE COAX GROUND BAR AT THE BUILDING SHALL BE CONNECTED TO THE
- SHAFT BE INSTAFTED ON THE OUTSIDE FACE OF THE BUILDING, BELOW THE CABLE ENTRY PORTS.

 SHALL BE INSTALLED ON THE OUTSIDE FACE OF THE BUILDING, BELOW THE CABLE ENTRY PORTS.
- INCLUDING AT ANTENNA AND AT MASTER GROUND BAR. THE COAXIAL CABLE SHALL NOT EXCEED 100 FEET BETWEEN GROUNDING KITS. COPX CABLE CONDUCTORS (SHIELDS) SHALL BE GROUNDED USING COAX GROUNDING KITS AT A MINIMUM OF TWO POINTS
 - T-MOBILE GROUNDING REQUIREMENTS
- **UNLESS OTHERWISE NOTED.** THOSE BELOW GRADE SHALL BE EXOTHERMIC TYPE (CADWELD). ALL OTHER BONDS SHALL BE BRONZE 2-HOLE COMPRESSION FITTINGS
- C3. BONDS TO ANTENNA MASTS, FENCE POSTS, WAVECUIDE BRIDGE, TOWER STEEL (UNLESS PROHIBITED BY TOWER MANUFACTURER) AND
 - C2. GROUND BARS SHALL BE BONDED TO GROUND RING WITH SINGLE GROUNDING CONDUCTOR.
- DIAGONALLY OPPOSED SUPPORT POSTS. CJ. MAYAECHIDE BRIDGE SHATT BE BONDED TO GROUND RINGS OR INTERCONNECTING CONDUCTORS WITH GROUNDING CONDUCTORS BONDED TO
 - C TWND BRIEDS WND CO-FOCYLES
- - NO FINGER PRINTS OR DISCOLORED COPPER SHALL BE PERMITTED. BS. GROUND BAR: ALL COPPER GROUND BARS SHALL BE CLEANED, POLISHED AND A NON-OXIDIZING AGENT ("COPPER SHIELD") APPLIED.
- ITEMS BEING GROUNDED. ALL COMMECTIONS ARE TO HAVE A NON-OXIDIZING ACENT ("COPPER SHIELD") APPLIED PRIOR TO INSTALLATION. CHEMICAL PRODUCTS COMPANY (LOCATED IN QUINCY, MASSACHUSETTS), OR ACCEPTABLE EQUAL, NO WASHERS ARE ALLOWED BETWEEN OPERATION SHALL BE RE-CALVANIZED IN ACCORDANCE WITH ASTM A780 USING RICH" COATING AS MANUFACTURED BY ZRC PROPER CONTACT. ALL GALVANIZED SURFACES ON WHICH GALVANIZING HAS BEEN REMOVED BY CUTTING, OR ANY OTHER SURFACES: ALL CONNECTIONS SHALL BE MADE TO BARE METAL, ALL PAINTED SURFACES SHALL BE FIELD INSPECTED TO ENSURE
 - B PREPARATION

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SHEEL NOWBER NOTES **CROUNDING** ELECTRICAL AND

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DATE OF SIGNATURE.

CERTIFICATE OF AUTHORIZATION 29214 MIRAMAR, FL 33027

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B. RODRIGUEZ

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DESCRIPTION

CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE. DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A

- CS: PROVIDE MAMERIATE ENGRAVED WITH EQUIPMENT DESIGNATION FOR EACH SAFETY SWITCH AND ALL OTHER ELECTRICAL CABINETS, ETC.
- C1. LOCATE NAMEPLATE, MARKING, OR OTHER IDENTIFICATION MEANS ON OUTSIDE EQUIPMENT OR BOX FRONT COVERS.
 - C IDENTIFICATION
 - DISCONNECT SHALL BE LISTED SAME OR BETTER INTERRUPTING RATING AS EXISTING SOURCE OF SUPPLY CIRCUIT MAY BE TAPPED FROM EXISTING FEEDER CONDUCTORS USING AN INSTALLED 2-POLE FUSED DISCONNECT
 - IF A BRANCH CIRCUIT PROTECTIVE DEVICE CANNOT BE OBTAINED OR SPACE IS NOT AVAILABLE, A BRANCH PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PAMEL.
 - EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING AS TOUPPRENT SUPPLYING IT. CONTRACTOR SHALL VERIEY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE
 - 78-027 A) CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
- MHERE A SEPARATE ELECTRICAL SERVICE ENTRANCES, LOCATION OF EACH AND THE AREAS SERVED BY EACH. .88
- ALL VERTICAL RUNS OF POWER CABLE EXCEEDING 80 FEET IN LENGTH SHALL BE SUPPORTED PER N.E.C. ARTICLE 300 USING KELLEMS OR ACCEPTABLE EQUAL CABLE EXCEEDING 80 FEET IN LENGTH SHALL BE SUPPORTED PER N.E.C. ARTICLE 300 USING KELLEMS
- SLEEPERS. B3. CONDUCTORS RUNNING ALONG HORIZONTAL SURFACES (ROOF TOP OR SLAB) SHALL BE INSTALLED IN RIGID CONDUIT SUPPORTED ON
 - PENETRATION OR VERMIN INFESTATION. BZ. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE

COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE STANDARDS OF ANSI, NEMA, AND UL. RACEWAY SYSTEM

CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING TO BTS AND VERIFY EXACT CONDUIT ROUTING, RACEWAY SYSTEM MATERIALS

B - LOMER CABLE AND SERVICE

FLECTRICAL NOTES

- CONDUIT HUBS. ATZ. ALL ELECTRICAL DEVICES EXPOSED TO WEATHER SHALL BE OF RAINPROOF CONSTRUCTION AND SHALL REQUIRE WATER TIGHT
- ARTICLE 250-26. ALL. WHERE TRANSFORMER IS REQUIRED FOR ELECTRICAL SERVICE, TRANSFORMER SECONDARY SHALL BE GROUNDED PER N.E.C.,
- ACCORDINGLY. AND. WHERE LONG POWER CABLE RUNS PREVAIL, CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND SIZE WIRES AND CONDUIT
- THIS PROJECT AS FULLY OPERATIONAL. PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTAL TO COMPLETING AND PRESENTING
- ROUTING WITH TELEPHONE COMPANY. CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE
- ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
 - CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- INDICATED.
 - A4. ALL POWER WIRING SHALL BE STRANDED COPPER, TYPE THHW/THHW AND 90 DEGREES C RATED.
 - APPLICABLE LOCAL CODES,

CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE

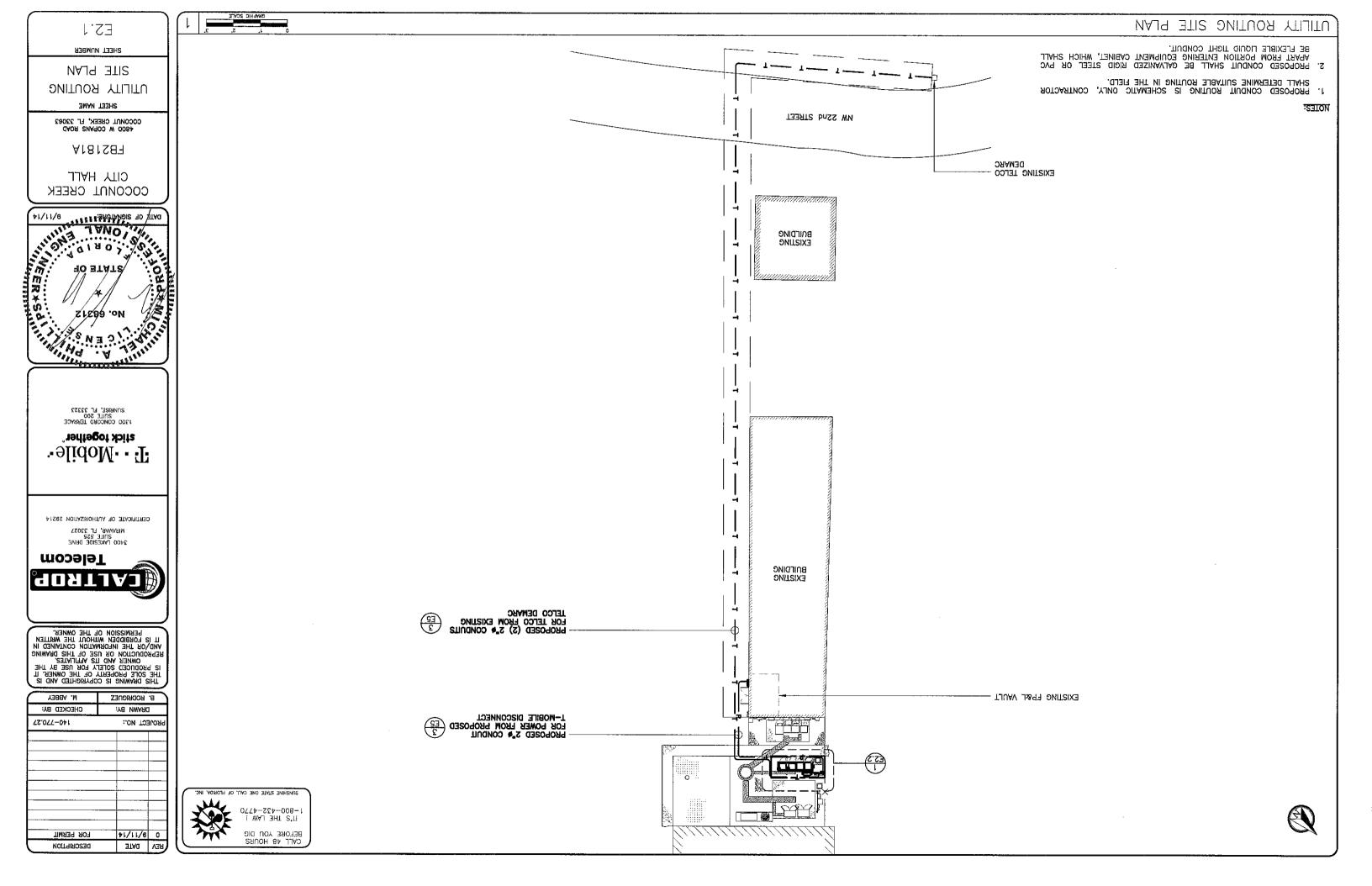
AS. ALL POWER WIRING SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT, PVC, OR FLEXIBLE LIQUIDTIGHT CONDUIT, AS

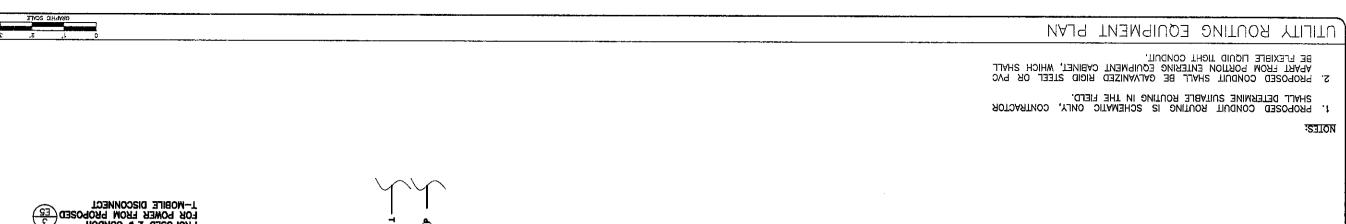
AZ. ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.

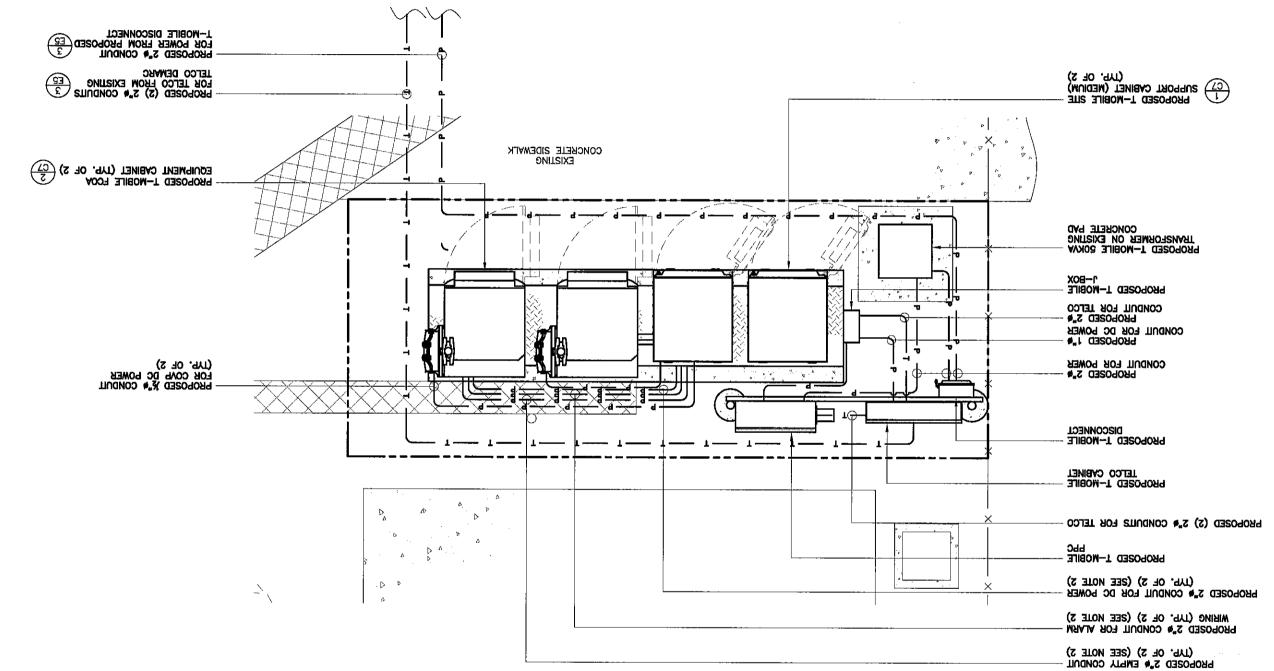
AZ. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.

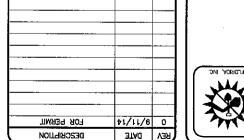
A1. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (EDITION ADOPTED BY LOCAL JURISDICTION) AND

A - GENERAL









B. RODRIGUEZ

DRAWN BY:

PROJECT NO.:

1-800-432-4770

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EQUIPMENT PLAN

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COCONAL CREEK

DATE OF SIGNATURE 11/14

1300 CONCORD TERRACE SUITE 200 SUNRISE, FL 33323

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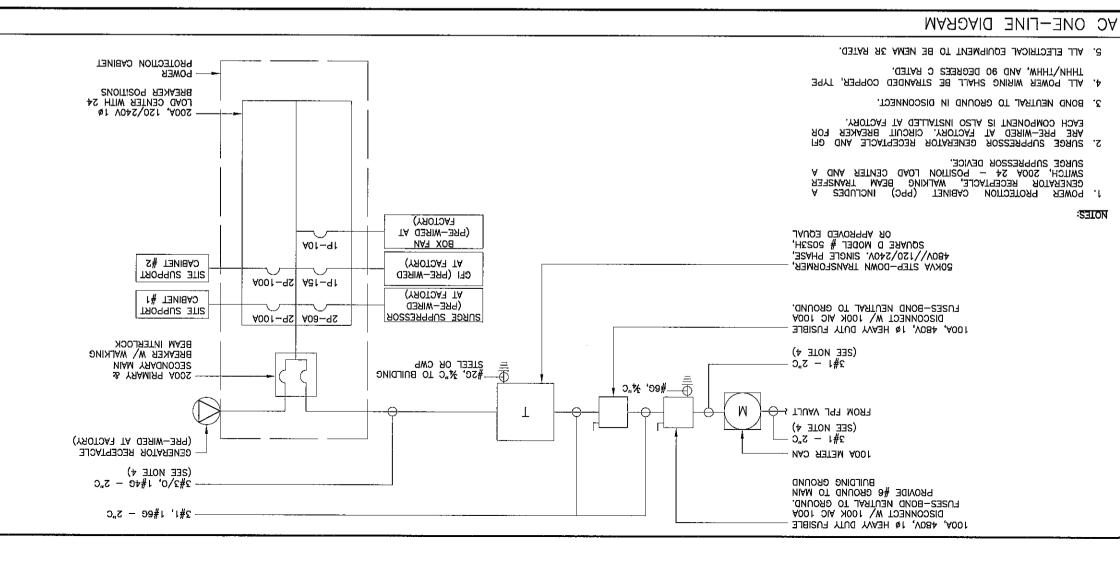
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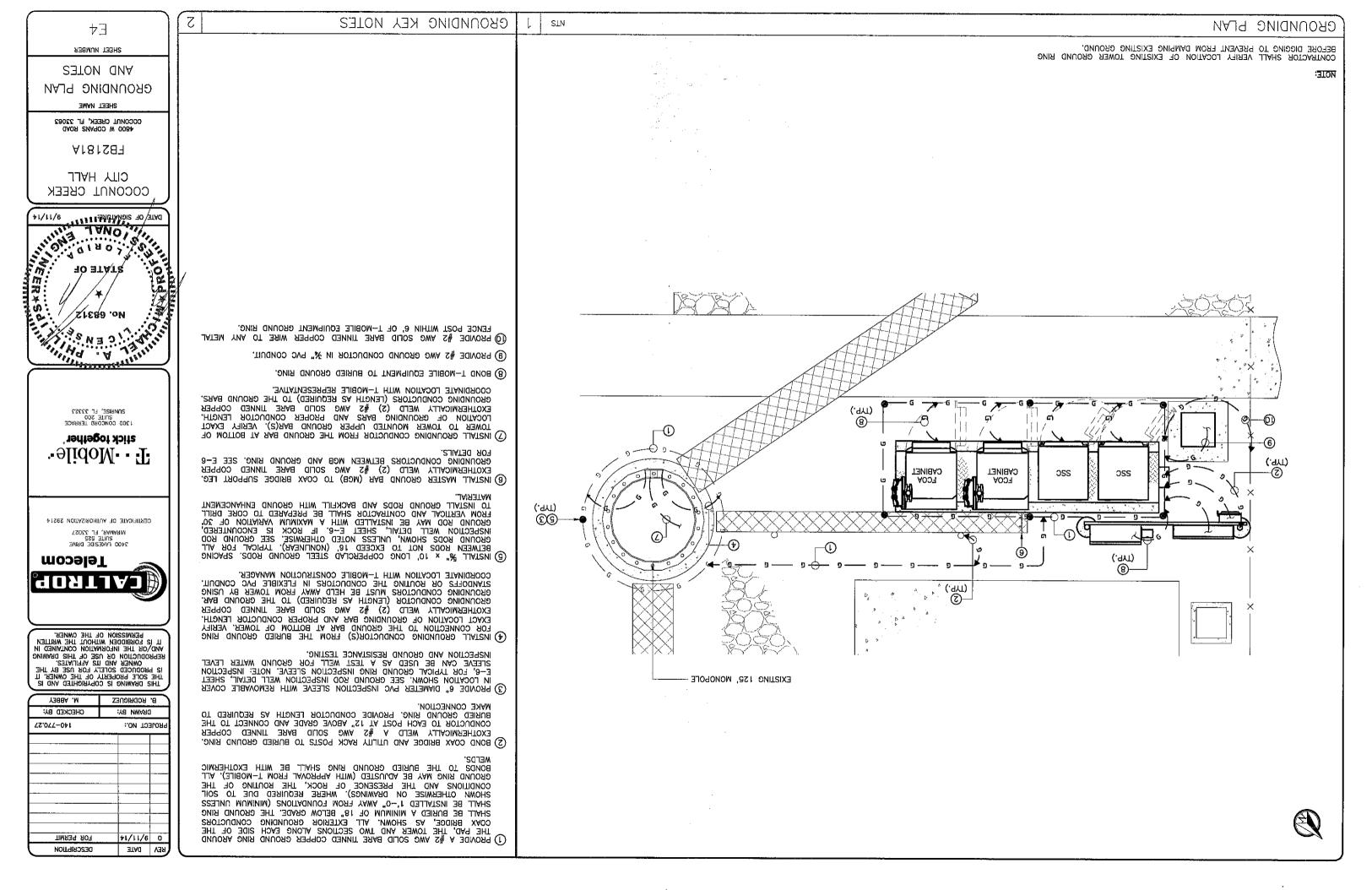
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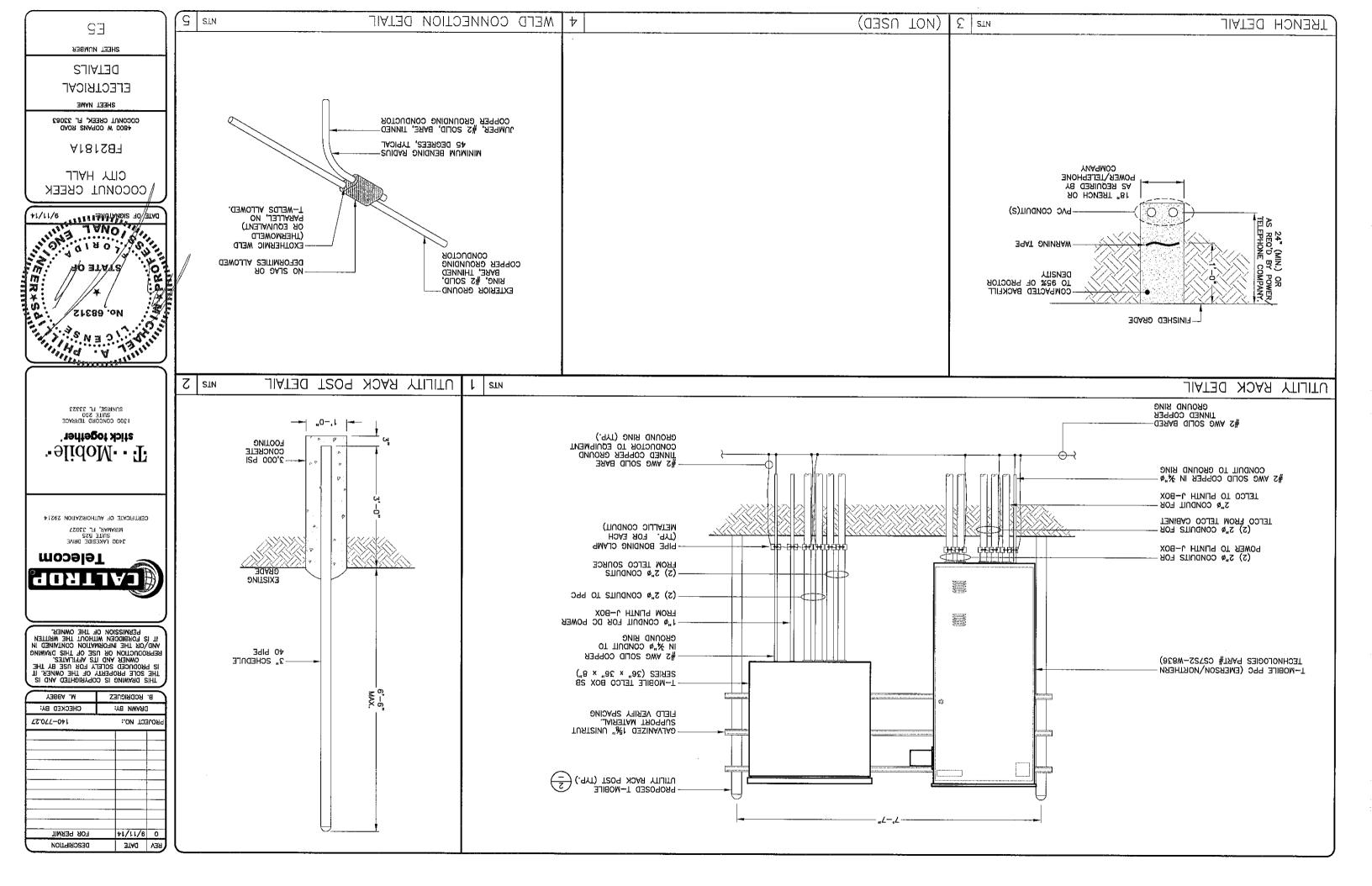


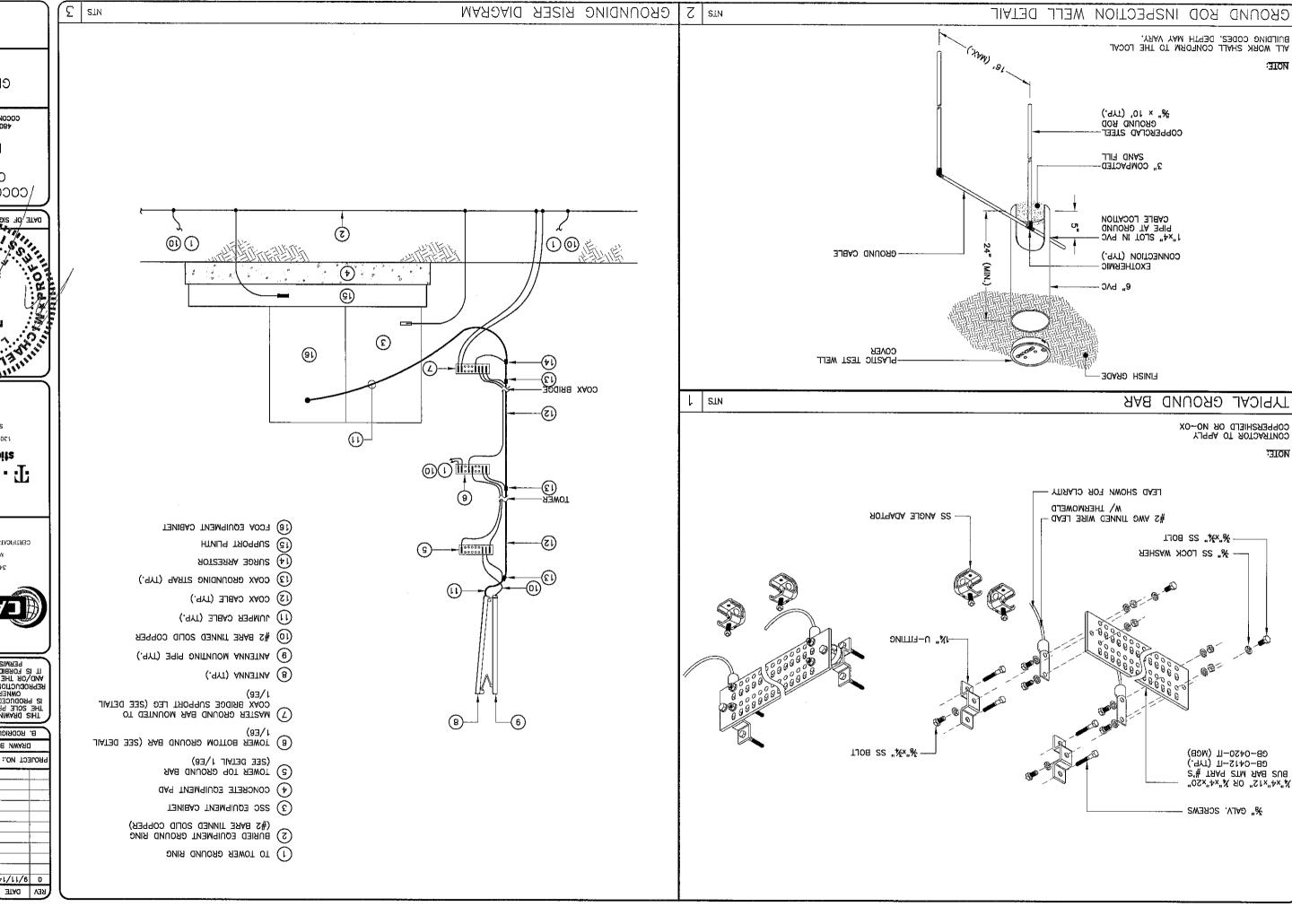
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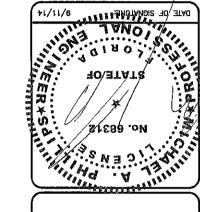




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