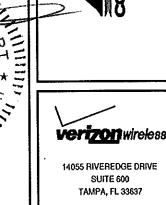




# VERIZON WIRELESS SITE NUMBER & NAME #68126 ATC SPECTRASITE COPPOLA TOWER

**PROJECT ADDRESS** 6933 NW 39TH AVENUE COCONUT CREEK, FL 33073





	SHEET INDEX	VICINITY MAP	PROJECT SUMMARY
C1 C2 C3 C4 C5 C6	DESCRIPTION  COVER SHEET  ELEVATION & ANTENNA DETAILS  RF DATA & SECTOR CONFIGURATION SHEET  DETAIL SITE PLAN  ELECTRICAL & GROUNDING DETAILS  GROUNDING DETAILS	CHESCENT CREEK ST  SITE  SITE  MAINTENANCE CANCELLA OR  DANSES C DOOR OF THE CANCELLA OR  DANSES C DOOR OR  DANSES C DOOR OF THE CANCELLA OR  DANSES C DOOR OR  DANSES C DOOR OF THE CANCELLA OR  DANSES C DOOR OR	TOWER COORDINATES: LATITUDE: 26.316853 LONGITUDE: -80.177778  SITE ADDRESS: 6933 NW 39TH AVENUE COCONUT CREEK, FL 33073  PARCEL ID: 484205070022
		BROWARD COUNTY	

3	06/06/12	ADD ELECTRICAL DWGS.
	05/15/12	
1	04/02/12	FINAL
0	01/26/12	REVIEW
REV	DATE	DESCRIPTION
DR	AWN BY:	SDE

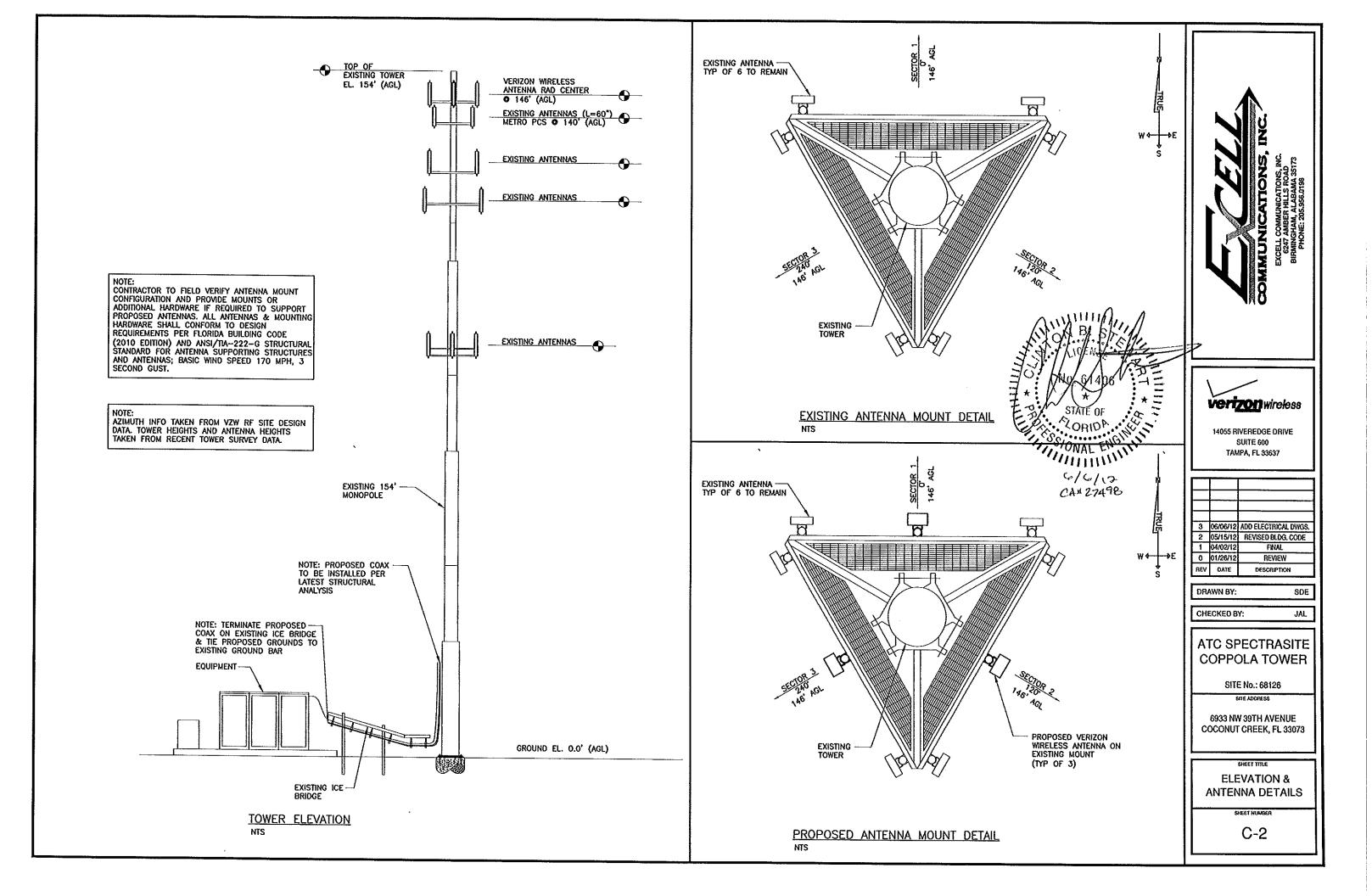
ATC SPECTRASITE **COPPOLA TOWER** 

SITE No.: 68126

6933 NW 39TH AVENUE COCONUT CREEK, FL 33073

**COVER** SHEET

C-1



# **GENERAL NOTES:**

- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE & ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS PERFORMED.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS, ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
- 4. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED.
- ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

# **STRUCTURAL NOTE:**

1. DESIGN REQUIREMENTS FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS, EQUIPMENT CABINETS, AND PPC CABINETS PER FLORIDA BUILDING CODE (2010 EDITION) AND THE ANSI/TIA-222-G STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS; WIND SPEED REQUIREMENTS OF 170 MPH, 3 SECOND GUST.

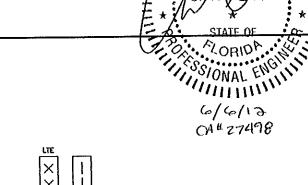
ANTENNA NUMBER	RAD CENTER	ANTENNA TIP HEIGHT	AZIMUTH	DOWN TILT	ANTENNA MFG/ MODEL NUMBER	COAX LABEL COLOR/ BANDS	COAX DIAMETER
01	146'	149'	o	0,	CSS / X7-665-4	RED-3	1-5/8"
						RED-4	1-5/8*
D2	146'	149'	120	o	CSS / X7-665-4	BLUE-3	1-5/8*
						BLUE-4	1-5/8"
D3	146'	149'	240	0,	CSS / X7-665-4	GREEN-3	1-5/8"
					· · · · · · · · · · · · · · · · · · ·	GREEN-4	1-5/8"

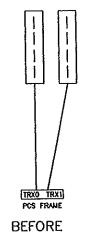
MARKING TAPE MUST BE APPLIED AT TOP OF FEED LINES AND AT BASE OF TOWER

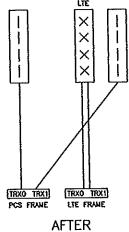
VERIFY ALL ANTENNA INFORMATION WITH VERIZON WIRELESS PRIOR TO CONSTRUCTION

DESIGN REQUIREMENTS FOR ANTENNA SUPPORTING STRUCTURES, ANTENNAS, EQUIPMENT CABINETS, AND PPC CABINETS PER FLORIDA BUILDING CODE (2010 EDITION) AND THE ANSI/TIA-222-G STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS; WIND SPEED REQUIREMENTS OF 170 MPH, 3 SECOND GUST.

RF LTE DATA







SECTOR CONFIGURATION



# **vertzon** wireless

14055 RIVEREDGE DRIVE SUITE 600 TAMPA, FL 33637

-		
3	06/06/12	ADD ELECTRICAL DWGS.
2	05/15/12	REVISED BLDG, CODE
1	04/02/12	FINAL
0	01/26/12	REVIEW
REV	DATE	DESCRIPTION

DRAWN BY:

CHECKED BY:

ATC SPECTRASITE **COPPOLA TOWER** 

SDE

JAL

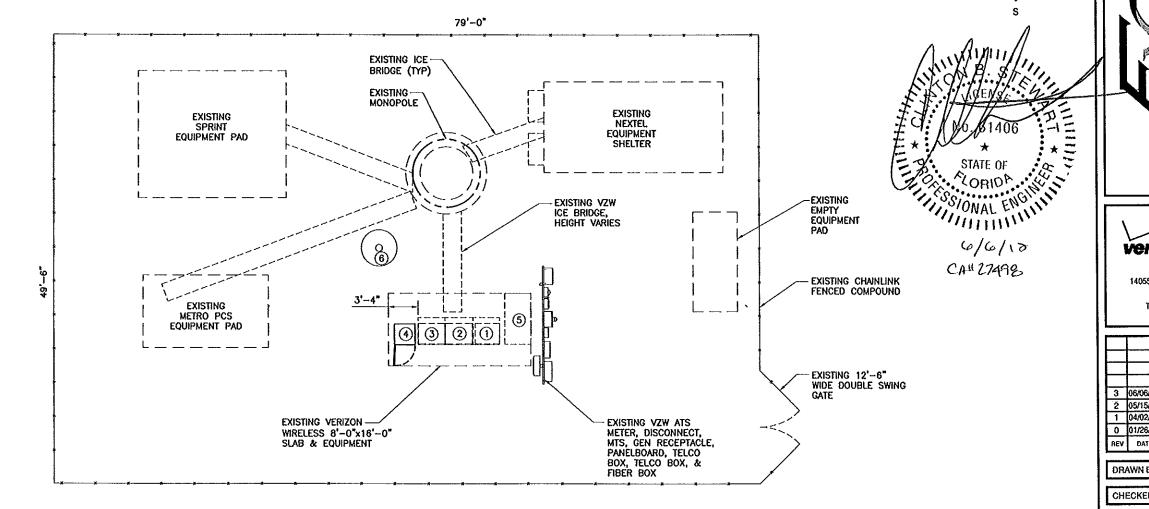
SITE No.: 68126

SITE ADDRESS

6933 NW 39TH AVENUE **COCONUT CREEK, FL 33073** 

**RF DATA & SECTOR** CONFIGURATION SHEET

C-3



3 BTS CABINET 4 LTE

1 EBRE BATTERY

2 BTS CABINET

**LEGEND** 

(5) GENERATOR W/ 120 GAL BELLY TANK

6 LPG TANK, 120 GAL

NOTE:
NEW LTE CABINET TO BE MOUNTED ON NEW PLINTH. CONTRACTOR TO MATCH EXISTING PLINTH DESIGN.

THIS PLAN IS BASED ON SITE RECONNAISSANCE
PERFORMED BY EXCELL COMMUNICATIONS, INC. DATED
11/15/11. CONTRACTOR SHALL FIELD VERIFY ALL
EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF
CONSTRUCTION.

verizon wireless

14055 RIVEREDGE DRIVE SUITE 600 TAMPA, FL 33637 💉

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			ADD ELECTRICAL DWGS.
			REVISEO BLOG. CODE
	1	04/02/12	FRAL
	0	01/26/12	review
	REV	DATE	DESCRIPTION

DRAWN BY:

CHECKED BY:

ATC SPECTRASITE **COPPOLA TOWER** 

SDE

JAL

SITE No.: 68126

6933 NW 39TH AVENUE COCONUT CREEK, FL 33073

DETAIL SITE PLAN

SHEET HUMBER

C-4

<u>DETAIL SITE PLAN</u>
22"x34" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

### **ELECTRICAL NOTES:**

- 1. ALL POWER CONDUCTORS SHALL BE COPPER WITH TYPE
- THHN/THWN INSULATION.

  2. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE 2008 EDITION OF THE NATIONAL ELECTRIC CODE.

  3. ALL CONDUIT BURIAL DEPTHS SHALL COMPLY WITH NEC
- REQUIREMENTS.
- 4. LTE CABINET AND ANY NEW PLINTH ADDITIONS OR EXTENSIONS TO BE DIRECTLY BONDED TO EXISTING EQUIPMENT GROUND LOOP WITH #2 AWG TINNED COPPER GROUND CONDUCTORS, CONNECTED TO OPPOSING CORNERS. CONNECTIONS SHALL BE MADE WITH 2 HOLE MECHANICAL LUGS OR EXOTHERMIC WELDS. BOND TO CABINET AND PLINTH AT LOCATIONS SPECIFIED BY MANUFACTURERS
- S. CONTRACTOR TO VERIFY EXISTING MAIN BONDING JUMPER IN SERVICE DISCONNECT SWITCH.
- 6. UNLESS OTHERWISE SPECIFIED ALL CONDUIT SHALL BE UV RESISTANT SCHEDULE 40 PVC OR LIQUIDTITE FLEXIBLE CONDUIT (ALL LIQUIDTIGHT FLEXIBLE CONDUIT RUNS OVER 6' MUST BE METALLIC, AS PER NEC ARTICLES 350 AND 356).
- 7. ALL ABOVE GROUND CONDUIT & ELBOWS SHALL BE METALLIC. SINGLE LINE DIAGRAM DEPICTS SCENARIO OF VACANT BREAKER SLOT AND SUFFICIENT CAPACITY FOR A 60A BREAKER. CONTRACTOR SHALL FIELD DETERMINE APPROPRIATE POWER CONFIGURATION ON A SITE BY SITE BASIS.

	PROPOSED LTE CABINET	NOTE: DIAGRAM ORIENTATION IS SHOWN FOR REFERENCE ONLY
EXISTING 200A PANELBOARD.  CONTRACTOR TO INSTALL  (1) 60A, 2P BREAKER  FOR NEW LTE	EXISTING TELCO CABINET	
60A,2	P	
GRADE		
	CONFIRM WIRE SIZE & NEW 2" RNC CONDUIT SIZE W/EQUIP.  MFG.; MINIMUM (3)#6 & OF CONDUIT FROM W  (1)#6(G)-2" RMC  NEW 2" RNC  W/PULLSTRING, SEAL OF CONDUIT FROM W  PENETRATION	END ACTION OF THE PROPERTY OF
	SINGLE LINE DIAGRAM	STATE OF

(9) EXISTING FIBER CABINET

# PANEL "A" SCHEDULE

PANEL RATING 120/240V. 1ø. 200A

MAIN BREAKER 200A-2P. 1ø

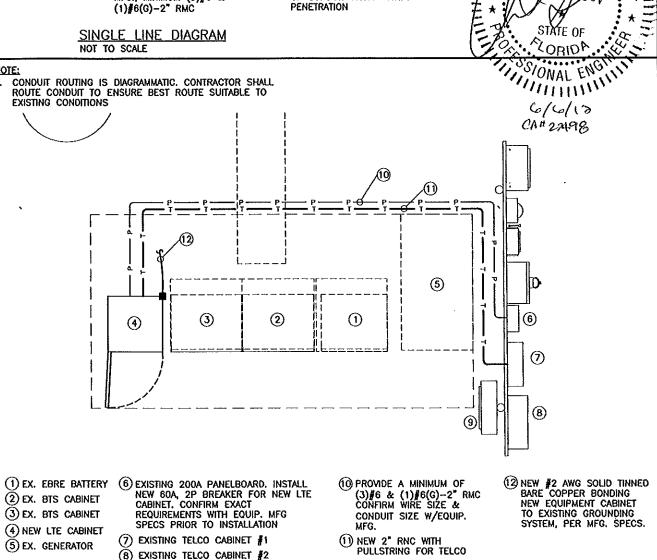
I Fund	C 1011110 120/2701,	1P, 200A	Wall Ditta	2007	7 21; 19		
POS.	SERVING	BREAKER	WIRE SIZE & TYPE	POS.	SERVING	BREAKER	WIRE SIZE & TYPE
1	EXISTING	20A-2P	EXISTING	2	EXISTING	80A-2P	EXISTING
3				4			
5	EXISTING	20A-1P	EXISTING	6	EXISTING	100A-2P	EXISTING
7	EXISTING	80A-2P	EXISTING	8			
9				10	EXISTING	80A-2P	EXISTING -
11	EXISTING	80A-2P	EXISTING	12		-	_
13				14	NEW LTE CABINET	60A-2P	(3)#6 & (1)#6(G)-2°C *
15	EXISTING	20A-1P	EXISTING	16			

- NOTES:

  1. ALL WIRE AND CONDUIT SIZES TO BE COORDINATED WITH THE EQUIPMENT CABINET MANUFACTURER SPECIFICATIONS PRIOR TO INSTALLATION.

  2. PANEL SCHEDULE IS FOR REFERENCE ONLY, EXACT BREAKER LOCATIONS

PANEL SCHEDULE



ELECTRICAL/GROUNDING PLAN

22x34 SCALE: 1/2"=1"-0" 11x17 SCALE: 1/4"=1'-0" Verizon wireless

14055 RIVEREDGE DRIVE

SUITE 600 TAMPA, FL 33637

0 06/06/12 ADD ELECTRICAL DWGS. DESCRIPTION

ATC SPECTRASITE **COPPOLA TOWER** 

SITE No.: 68126

SITE ADORESS

6933 NW 39TH AVENUE

COCONUT CREEK, FL 33073

**ELECTRICAL &** GROUNDING DETAILS

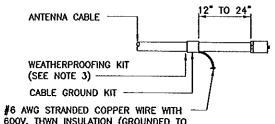
C-5

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DATE

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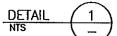


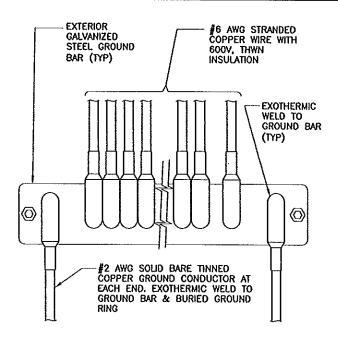
600V, THWN INSULATION (GROUNDED TO GROUND BAR) (SEE NOTES 1 & 2)

# CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE

# NOTES:

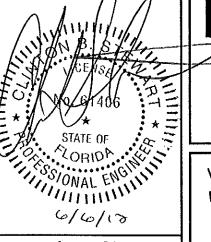
- 1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
- 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
- 3. WEATHERPROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.





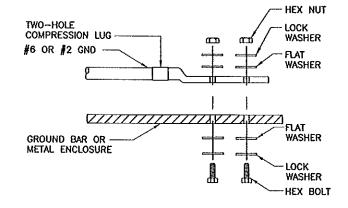
INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

DETAIL



verizon wireless

CA127498



# **INSTALLATION NOTES:**

- 1. BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL.
- 2. SELECT BOLT LENGTH TO PROVIDE A MINIMUM OF TWO EXPOSED THREADS.
- 3. BURNISH MOUNTING SURFACE TO REMOVE PAINT IN THE AREA OF LUG CONTACT.
- 4. APPLY ANTI-OXIDANT COMPOUND TO MATING SURFACE OF LUG AND WIPE CLEAN EXCESS COMPOUND.
- 5. USE 1/4" HARDWARE FOR ATTACHMENT TO METAL ENCLOSURES & 3/8" FOR ATTACHMENT TO GROUND BARS.





14055 RIVEREDGE DRIVE SUITE 600 TAMPA, FL 33637

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	0	06/06/12	ADD ELECTRICAL DWGS.
	REV	DATE	DESCRIPTION

DRAWN BY:

CHECKED BY:

ATC SPECTRASITE **COPPOLA TOWER** 

SDE

JAL

SITE No.: 68126

6933 NW 39TH AVENUE COCONUT CREEK, FL 33073

GROUNDING **DETAILS** 

C-6