

PERMIT NO. CC13-11

District 2



Applicant Name and Job Number Crown Castle NG East LLC SFL 63_1						
Job Address ar	nd Location_5	0 NE 13th Street				
Description of Work Installing cabinet and utility pole within right-of-way.						
Anticipated star	t and end dat	es of work <u>6/2/14</u>	l - 45 days			
below (Code). Crown	This permit application is for an exemption from the requirement to install communications service facilities below grade, in accordance with Section 25-100.1.B.3 of the City of Fort Lauderdale Code of Ordinances (Code). A letter by a qualified expert(s) is attached. Crown Castle is requesting the following waivers (check all applicable subsections and attach supporting documentation):					
☐ C.1 (Size)	☐ C.2 (Height)	☐ C.3 (Front Yard)	☐ C.4 (Corner Yard)	☐ C.6 (Separation)	□C.7 (Exist. Facility)	C.12 (Collector)
required Notice of one hum with Se The producted _ A lands associa Crown of	ments in Section the pending ndred fifty (15 ction 25-100.7 pposed site wind 16 caping maintain is attached Castle shall be	on 25-100.1 of the application has be 0) feet of the properties. E.5 of the Code. If the maintained by which is on fill the application of the app	e Code leen provided to posed site and to y Crown Castle in le with the City E ent letter from th on. naintaining lands	all property owner of the relevant hore accordance with ngineer e adjacent proper caping	sed at grade facilities abutting public rigneowner association the approved Grafty owner and relevance lettly located in the	ghts-of-way within on, in accordance fiti Mitigation Plan vant home owner
As an authorize correct.	ed representa	tive of Crown Ca	astle, I certify ur	nder oath that the	e forgoing stateme	ents are true and
Printed Name of Authorized Crown Castle Agent Sworn to and subscribed before me this						
(Seal)	Notary Public Sta Angel Prieto My Commission E Expires 08/23/201	te of Florida State E 829439	/ Public, of Florida	My Commission	Expires 8 23	te below this line)
Conceptual app	roval date	by			, Subject to the foll	owing conditions:
1) A detailed v	visual mitigat	ion plan is requi	red			
Final Permit ap	oproval date	by		Final Inspection	n dateby	
**Notify Enginee		Division 24 hours 828-5649				



CLIENT:

CROWN CASTLE SFL63 1

ADDRESS:

CLIENT SITE ID#:

50 NE 13TH STREET FORT LAUDERDALE, FLORIDA 33304

SITE TYPE:

REPLACEMENT AT&T 40' WOOD POLE

PROPERTY INFORMATION SITE COORDINATES:

PROPERTY OWNER:

JURISDICTION:

26.14209 -80.14399' } 2 CITY OF FORT LAUDERDALE

CROWN CASTLE

MIAMI, FL 33166

PROJECT TEAM PROJECT MANAGEMENT FIRM: CROWN CASTLE

8555 NW 64TH STREET MIAMI, FL 33166

ENGINEERING FIRM:

CONTACT:

PHONE:

AW SOLUTIONS, INC. 300 CROWN OAK CENTRE DR. LONGWOOD, FL 32750 SHANE HAFNER

407.260.0231 EXT. 120 FLORIDA COA#:

DESIGN CRITERIA;

- 1. FLORIDA BUILDING CODE 2010 AND ASCE 7-10. WIND LOAD PER ASCE 7-10. ULTIMATE WIND SPEED: 170 MPH.
- BUILDING RISK CATEGORY: II. WIND EXPOSURE: C.
- 2. DEAD LOAD:
- A. EQUIPMENT WEIGHT PER MANUFACTURER DATA. SEISMIC LOAD DOES NOT GOVERN THIS DESIGN.

INDEX

SHEET SHEET DESCRIPTION REV T1 TITLE SHEET C1 SITE PLAN C1.1 LANDSCAPE MITIGATION PLAN C2 **FLEVATION** C3 DETAILS C4 DETAILS SP1 SPECIFICATIONS SP2 SPECIFICATIONS

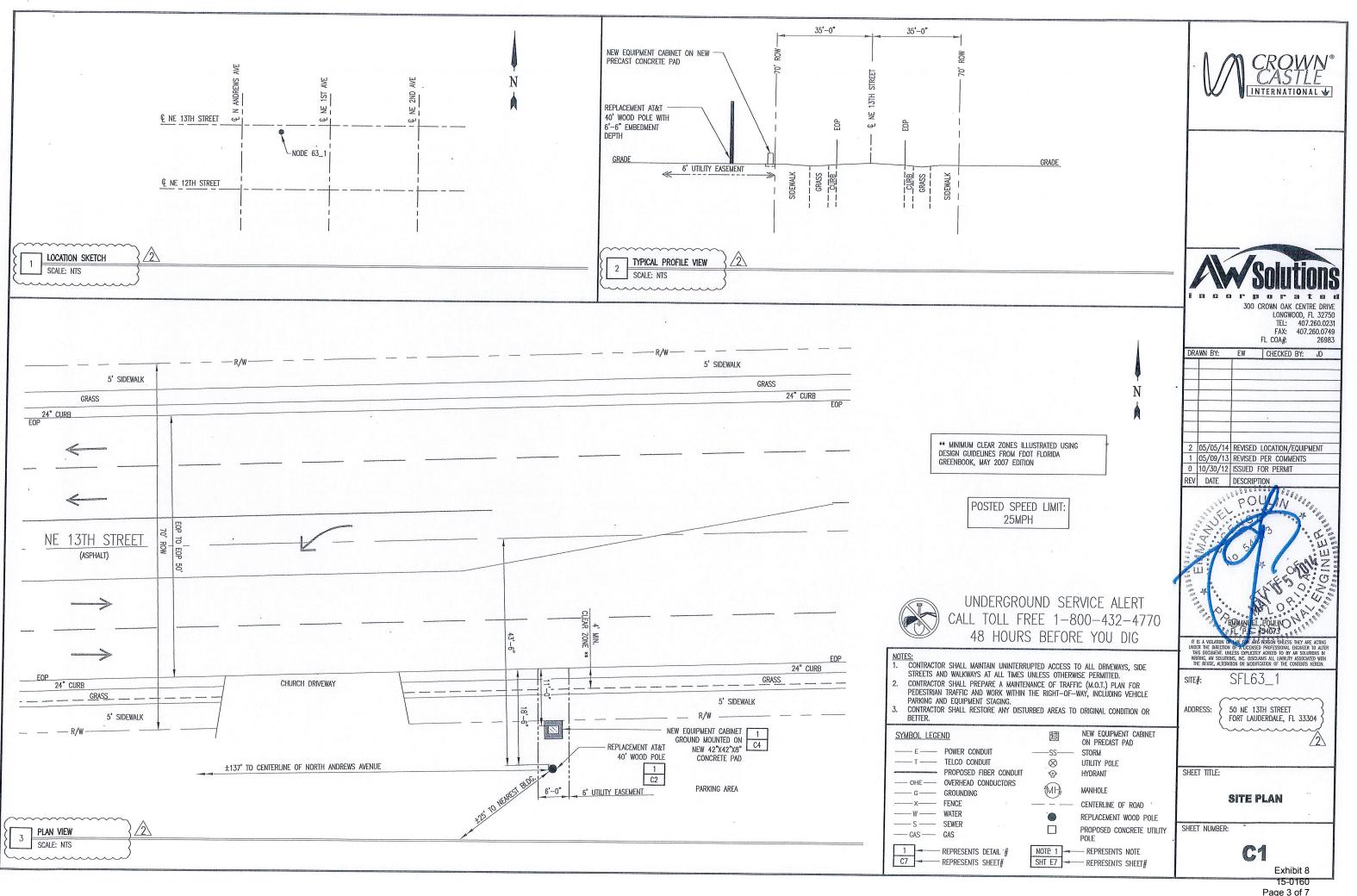
A con	CDOIMAIO
	CUCKANA
	CASILE
W	INTERNATIONAL &

DATE: PROJECT MANAGER

300 CROWN OAK CENTRE DRIVE

LONGWOOD, FL 32750 NE 20th SI NE 20th ST 200 FAX: 407.260.0749 0 FL COA#: NE 19th CI ME 181/2. NE 19th St 0 NE 19th St DRAWN BY: EW CHECKED BY: JD THE 18th St ME 18th St (1) Wing NW 18th St NE 17th Ct Strength Toning (845) & Endurance Southcoast NW 17th Et NE 17th Ct ege Koi And NE 17th St Personal Trainer ter Garden Distributors S NW 17th St 3 MF 16th PI NE 16th Pl (a11) MIDDLE HE IGH CL Lake Melva 0 NE 16th St TERRAGE. 1 M: NE 15th Ct è E Mc Auley MW 16th St Federated NE 1 NE 14th St (811) E NE 15th St Electric NW 14th St Premium . Finance 05/05/14 REVISED LOCATION/EQUIPMENT 1 05/09/13 REVISED PER COMMENTS 0 NE 2rd NE 14th Ct 0 10/30/12 ISSUED FOR PERMIT NE 14th C: REV DATE NE 14th St SOUT Middle River NE 13th St Terrace Park NW 13th St NODE 63_1-201 NE 12th St NE 12th St 501 NE 13th St NW 13th St 13th St (3) NE 11th St 빌 MW 11th St (845) (838) Sunrise Blvd (838) E.SU E Sunrise Blvd (1) (811) (838) W Sunrise Blvd (838) E Sunrise Blvd (888) NE 9th FI Sears Town (a) 0 NE 8th Ct 를 NW 9th St 11 LAUDERDALE NE 12th St SFL63 1 www.st \$ NW 12th St. 200 FLAGIFR NE 7th St , E NE 7th St 50 NE 13TH STREET NW 7th St FORT LAUDERDALE, FL 33304 NE Gth St 411 511 NE 6th St NW 6th St MM 24 CI 🖹 ؒ Karen Ganal SHEET TITLE: DRIVING GENERAL VICINITY MAP SPECIFIC LOCATION MAP TITLE SHEET <u>DIRECTIONS</u> UNDERGROUND FROM THE CROWN CASTLE OFFICE IN MIAMI, HEAD WEST ON NW 64TH ST TOWARD NW 87TH AVENUE. TURN RIGHT ONTO NW 87TH AVENUE. TURN RIGHT ONTO NW 74TH STREET, TURN LEFT SERVICE ALERT SHEET NUMBER: TO MERGE ONTO FL-826 NORTH. TAKE THE EXIT TOWARD FL-826 E/BEACHES, MERGE ONTO FL-826 E/FL-91 SOUTH, TURN LEFT ONTO NW 2ND AVENUE. TAKE THE RAMP ON THE LEFT CALL TOLL FREE 1-800-432-4770 71 48 HOURS BEFORE YOU DIG

ONTO I-95 NORTH. TAKE EXIT 29A TO MERGE ONTO FL-838 E/W SUNRISE BLVD. TURN LEFT ONTO POWERLINE ROAD. TAKE THE 3RD RIGHT ONTO NW 13TH STREET. DESTINATION WILL BE ON THE RIGHT.



Page 3 of 7

LANDSCAPE NOTES:

1. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER, AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I, 1963, AND PART 11, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, FLORIDA.

2. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.

3. ALL PLANT BEDS TO RECEIVE 10" OF 50,50 MIX. 50% SAND, 50% MUCK.

4. IT SHALL BE THE RESPONSIBILITY OF THE LANDSACPE CONTRACTOR TO PROVIDE A SMOOTH UNIFORM GRADE PRIOR TO INSTALLING SOD.

5. ALL MUICH TO BE "FLORAMULCH" MELALEUCA MUILCH.

6. ALL TREES TO BE STAKED IN THE FIELD WITH APPROVED NURSERY STANDARD METHODS.

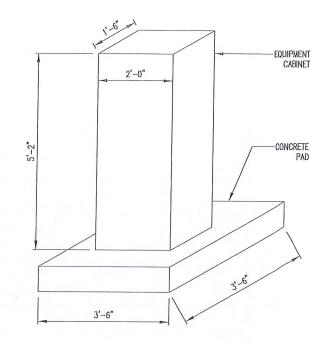
7. TREES/PALMS SHALL BE INSTALLED A MIN. OF 3' FROM UNDERGROUND UTILITIES.

NE 13TH STREET (ASPHALT)

LANDSCAPE MITIGATION PLAN

SCALE: NTS

EOP 24" CURB GRASS 5' SIDEWALK NEW EQUIPMENT CABINET MOUNTED ON 42"X 42"X8" 5' SIDEWALK CONCRETE PAD INSTALL HEDGE ROW TO SCREEN PROPOSED EQUIPMENT CHRYSOBALANUS ICACO (COCOPLUM) 7 GAL, 30" O.A. PLANTED 2' O.C., TYP. 4'-9" - REPLACEMENT AT& 40'





2 05/05/14 REVISED LOCATION/EQUIPMENT
1 05/09/13 REVISED PER COMMENTS
0 10/30/12 ISSUED FOR PERMIT
REV DATE DESCRIPTION

DRAWN BY: EW CHECKED BY: JD

IT IS A MOLATION OF AN IEEE ANT PROPERTY LAWS THEY ARE ACTING UNDER THE DIRECTION OF A CICINSED PROFESSIONAL ENGREER TO ALTER THIS DOCUMENT, UNLESS EMPLICITLY ASSECT OF ANY SOUTHONS IN WIRTHIS, AW SOLUTIONS, INC. DISCLAUS ALL LUBLITY ASSOCIATED WITH HER REUSE, ALTERATION OR MOUNCATION OF THE CONTENTS HEROT.

SITE#: SFL63_1

ADDRESS:

50 NE 13TH STREET
FORT LAUDERDALE, FL 33304

SHEET TITLE:

LANDSCAPE
MITIGATION PLAN

SHEET NUMBER:

C1.

Exhibit 8

15-0160 Page 4 of 7



UNDERGROUND SERVICE ALERT
CALL TOLL FREE 1-800-432-4770
48 HOURS BEFORE YOU DIG

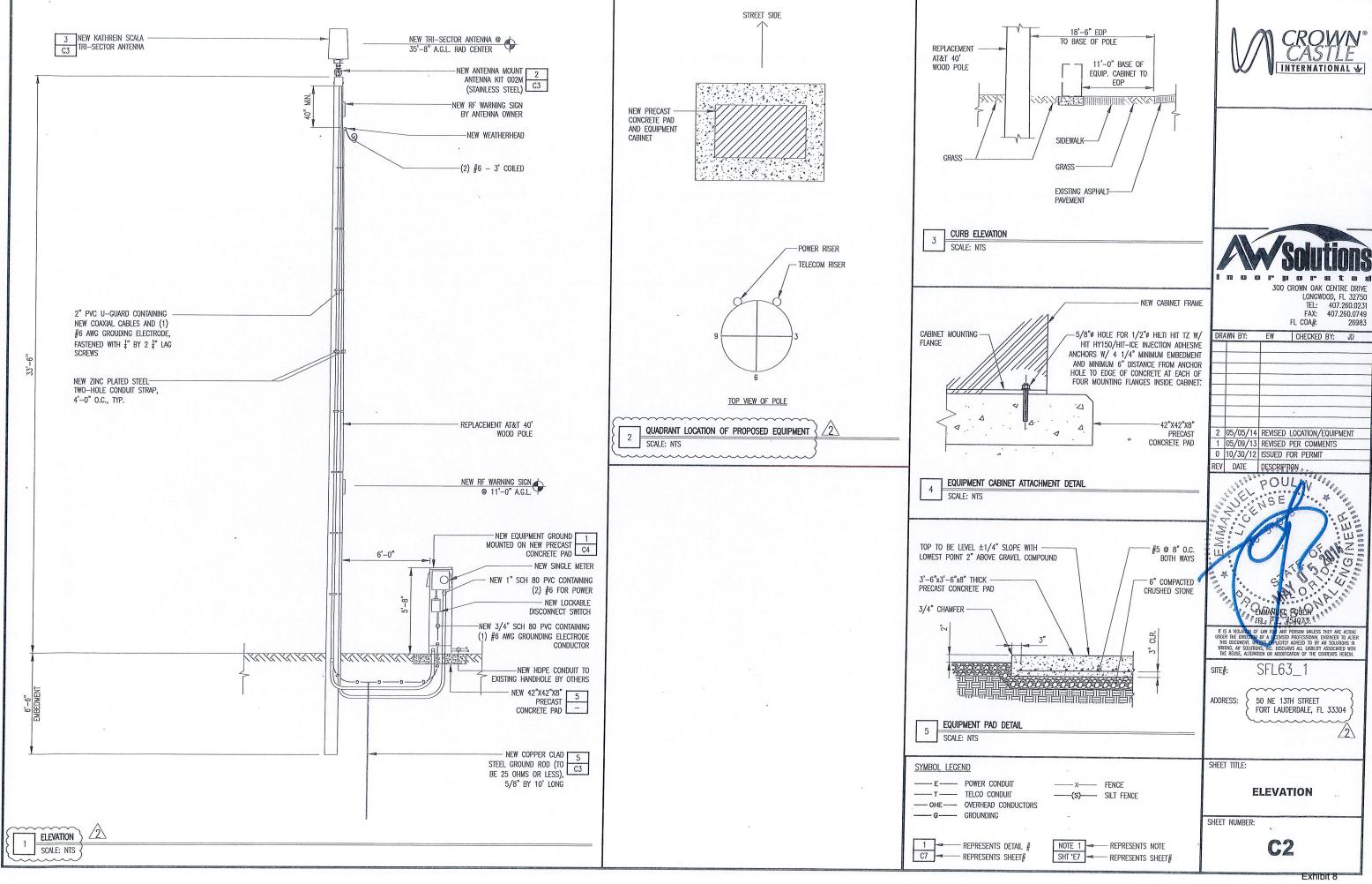
SHT E7 → REPRESENTS SHEET#

NOTES:

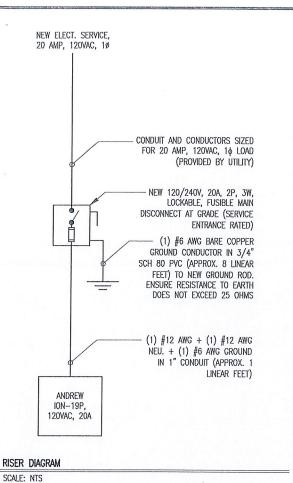
1. CONTRACTOR SHALL MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS, SIDE STREETS AND WALKWAYS AT ALL TIMES UNLESS OTHERWISE PERMITTED.

2. CONTRACTOR SHALL PREPARE A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN FOR PEDESTRIAN TRAFFIC AND WORK WITHIN THE RIGHT—OF—WAY, INCLUDING VEHICLE PARKING AND FOLIPPAFNT STAGING

		R SHALL RESTORE ANY DISTU	JRBED AREAS TO	ORIGINAL CONDITION OR	
200	SYMBOL LEGE	ND		NEW EQUIPMENT CABINET ON PRECAST PAD	
	—— E——	POWER CONDUIT	——SS——	STORM	
1	—— T ——	TELCO CONDUIT	\otimes	UTILITY POLE	
1	A CONTRACTOR OF THE PARTY OF TH	PROPOSED FIBER CONDUIT	•	HYDRANT	
	OHE	OVERHEAD CONDUCTORS GROUNDING	MH	MANHOLE	
I	X	FENCE ·		CENTERLINE OF ROAD	
١	W			REPLACEMENT WOOD POLE	
	S GAS			PROPOSED CONCRETE UTILITY POLE	
I	1	REPRESENTS DETAIL #	NOTE: 1	REPRESENTS NOTE	



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SHORT CIRCUIT CURRENT RATING OF FUSIBLE MAIN DISCONNECT: 100kA. PER FLORIDA BUILDING CODE 2010: FEEDER CONDUCTORS ARE SIZED FOR A

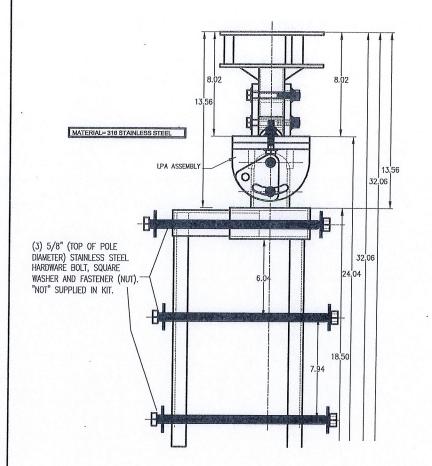
MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD OF 20A. 3. PER FLORIDA BUILDING CODE 2010: BRANCH CIRCUIT CONDUCTORS ARE SIZED

FOR A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD. HOWEVER, THIS DESIGN

CONTAINS NO BRANCH CIRCUITS

ALL CONDUCTORS ARE TO BE COPPER WIRE WITH INSULATION TYPE XHHW.

ALL ABOVE GRADE CONDUIT IS TO BE UV RESISTANT SCHEDULE 80 PVC. ALL BELOW GRADE CONDUIT IS TO BE SCHEDULE 40 PVC.



ANTENNA MOUNTING KIT (002M) SCALE: NTS

KUTHREIN SCALA DIVISION

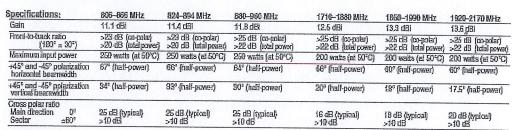
Kathrein's dual band antennas are ready for 3G applications. covering all existing wireless bands as well as all spectrum under consideration for future systems, AMPS, PCS and 3G/UMTS.

- · Wide band operation.
- Exceptional intermodulation characteristics.
- High strength fiberglass radome.

· Internal diplexers allow the +45° polarization (upper and lower bands) to be combined on one connector and the -45° polarization (upper and lower bands) to be combined on a second connector for each antenna.

Frequency range	806-960 MHz 1710-2170 MHz			
VSWR	<f.5:1< td=""></f.5:1<>			
Impedance	50 ohms			
Intermodulation (2x20w)	BM3; <-150 dBs			
Polerization	+45° upper and lower band -45° upper and lower band			
Connector	6 x 7-16 DIN female			
lsofation intrasystem intersystem	>30 dB >40 dB (806-960 // 1710-2170 MHz)			
Radome color	Brown, gray or dark gray (oustom colors available at additional cost)			
Wešgliti	50 lb (22,7 kg)			
Height	24 inches (609 mm)			
Radome diameter	16 inches (407 mm)			
Sąuivalent flat plate area	1.6 ft² (0.148 m²)			
Wind survival rating*	100 mgh (160 kph)			
Saapping dinvensions	32 x 20 x 19 inches (813 x 508 x 483 mm)			
Shipping weight	52 lb (23.6 kg)			
Mounting	Designed to be mounted on top of a villi pole using a custom mounting bracks supplied by the customer.			

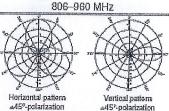
GRADE



ANTENNA SPECIFICATIONS

SCALE: NTS





1710-2170 MHz

LIMA
"\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
*XXXX
XXX
Martinal matters
Vertical pattern ±45*-polerization

2 05/05/14 REVISED LOCATION/EQUIPMENT 1 05/09/13 REVISED PER COMMENTS

300 CROWN OAK CENTRE DRIVE

FL COA#:

EW CHECKED BY: JD

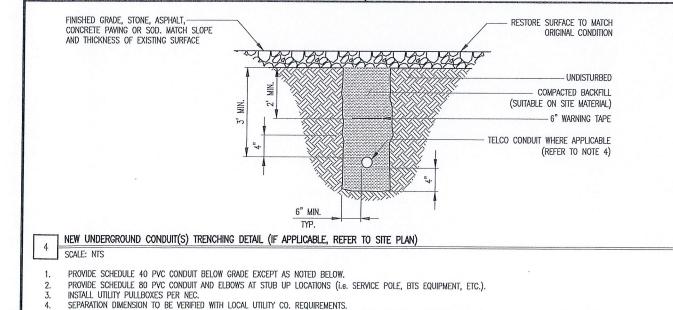
LONGWOOD, FL 32750

TFI: 407.260.0231

407.260.0749

26983

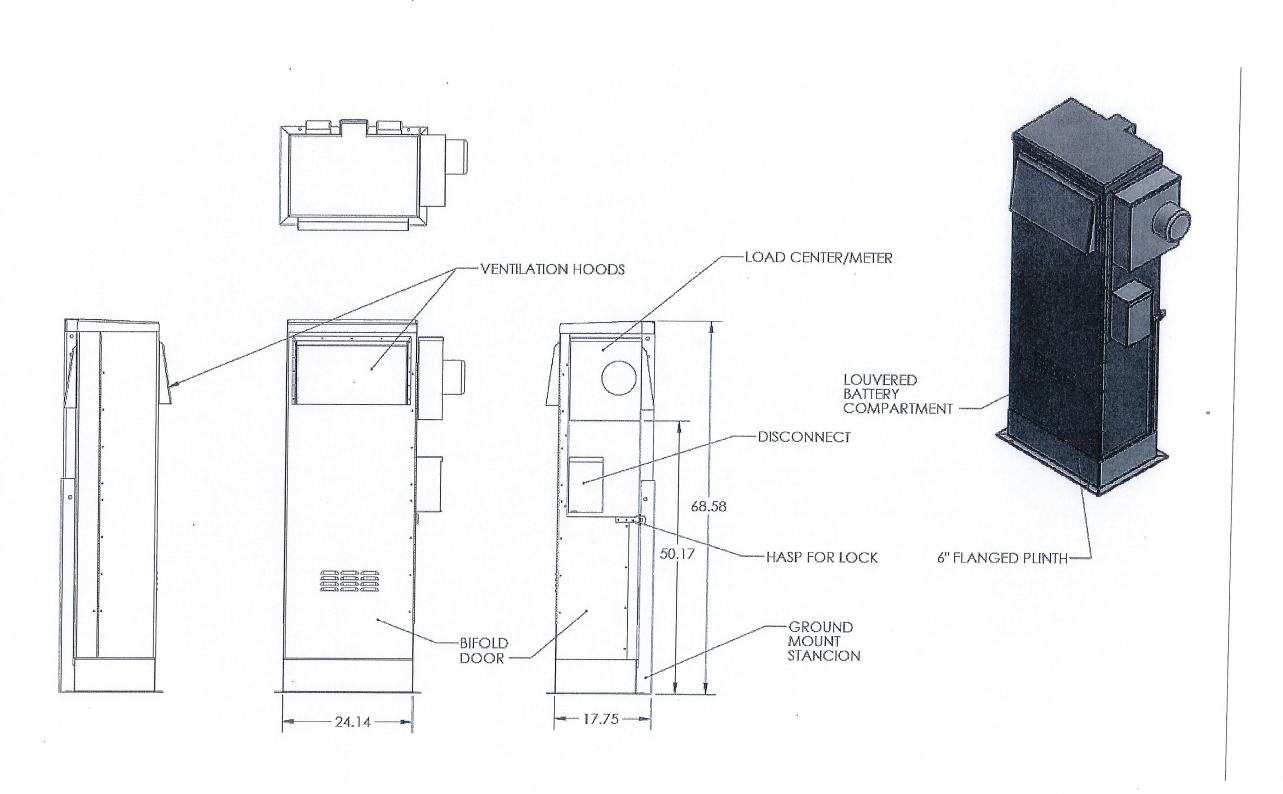
0 10/30/12 ISSUED FOR PERMIT REY DATE DESCRIPTION NEW TRI-SECTOR ANTENNA SFI 63 1 SITE#: (1) #6 AWG GROUND IN ADDRESS: 3/4" CONDUIT 50 NE 13TH STREET FORT LAUDERDALE, FL 33304 GRADE NEW LIGHTNING ARRESTOR SHEET TITLE: DETAILS ANTENNA GROUNDING SCHEMATIC SCALE: NTS SHEET NUMBER: 15-0160



CONDUIT/TUBING CONTAINING FIBER OPTIC CABLING TO BE FILLED WITH GEL TO PREVENT WATER PENETRATION. COMMONLY REFFERED TO AS "ICKY PICK"

EXOTHERMIC WELD (2) #6 AWG GROUNDING 2'-6" N ELECTRODE CONDUCTOR GROUND ROD (COPPERCIAD STEEL), 5/8"ø X 10'-0" GROUND ROD DETAIL SCALE: NTS 1. GROUND ROD TO BE DRIVEN 10' VERTICALLY.

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SHROUD KIT LOSH-BBU-1 GROUND MOUNT





DRAWN BY: EW CHECKED BY: JD

2 05/05/14 REVISED LOCATION/EQUIPMENT 1 05/09/13 REVISED PER COMMENTS 0 10/30/12 ISSUED FOR PERMIT



SITE#:

ADDRESS:

50 NE 13TH STREET FORT LAUDERDALE, FL 33304

SHEET TITLE:

DETAILS

SHEET NUMBER:

C4

15-0160