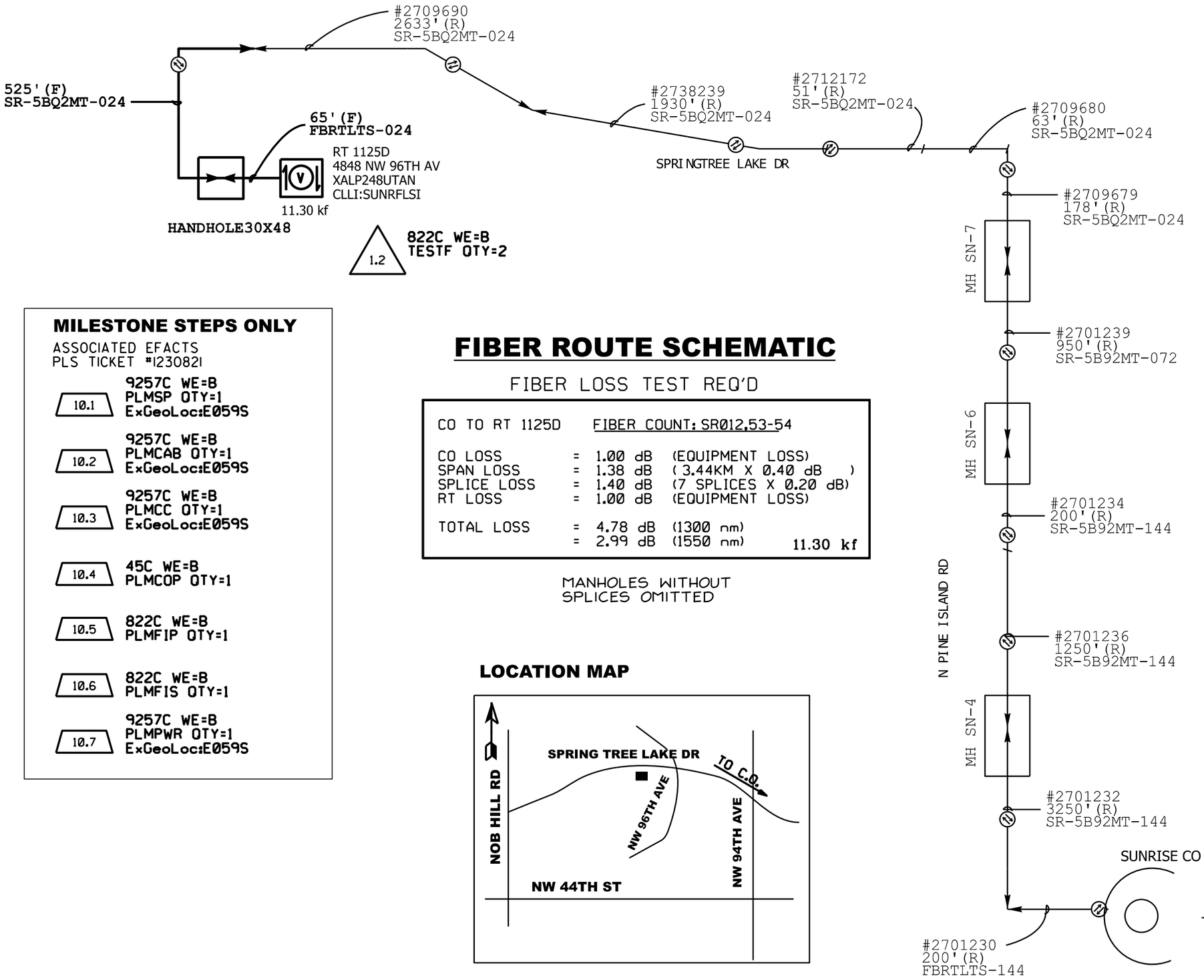


## MILESTONE STEPS ONLY

ASSOCIATED EFACTS
PLS TICKET #1230821

10.1 — 9257C WE=B PLMSP QTY=1 ExGeoLoc:E059S

10.2 — 9257C WE=B PLMCAB QTY=1 ExGeoLoc:E059S

10.3 — 9257C WE=B PLMCC QTY=1 ExGeoLoc:E059S

10.4 — 45C WE=B PLMCOP QTY=1

10.5 — 822C WE=B PLMFIP QTY=1

10.6 — 822C WE=B PLMFIS QTY=1

10.7 — 9257C WE=B PLMPWR QTY=1 ExGeoLoc:E059S

# FIBER ROUTE SCHEMATIC

FIBER LOSS TEST REQ'D

CO TO RT 1125D  FIBER COUNT: SR012,53-54

| | | | |
|---|---|---|---|
| CO LOSS | = | 1.00 dB | (EQUIPMENT LOSS) |
| SPAN LOSS | = | 1.38 dB | ( 3.44KM X 0.40 dB ) |
| SPLICE LOSS | = | 1.40 dB | (7 SPLICES X 0.20 dB) |
| RT LOSS | = | 1.00 dB | (EQUIPMENT LOSS) |
| TOTAL LOSS | = | 4.78 dB | (1300 nm) |
| | = | 2.99 dB | (1550 nm) |

11.30 kf

MANHOLES WITHOUT SPLICES OMITTED

## LOCATION MAP




## CO LGX INFORMATION

| CABLE | R.R. / PNL / JKS |
|---|---|
| SR012,53-54 | 01 101.01 / 4 / 125-126 |

ATTSE

Construction Work Drawing

PROPRIETARY INFORMATION
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State: FLORIDA
District: BROWARD
Exchange: SUNRISE
Wire Ctr: FTLDFLSU

A.A./Taper: 112506
Tax District: 06127
RZ/CZ: 13/09
Serv Unit Type: NONEW

Designer:
GEORGE QUINTERO
Phone: 954-476-2926

Records Ref:
DE0224B01,D10224B,D10226D

PMT #1298030

Prepared By:
AFL Network Services
A Fujikura Business

Job Description:
PLSHW(1125D):PLACE ALP-248U CAB @ 4848 NW 96TH AVE-LU=287

Job Number / CFAS Project Number:
0EA55032N / 7487817

DWG 1 OF 7

NOTE TO LMC:
PLEASE STATUS NEW VRAD
PRS AS LTS=DZV8
EXCEPT FOR THE FOLLOWING:
97-100 NO PR
197-200 NO PR

5.1 9257C WE=B
PLAC VRADPROGASNTP1
ORD=800 REC=800
ExGeoLoc:E059S

5.2 9257C WE=B
PROU QTY=800
ExGeoLoc:E059S

5.3 9257C WE=B
TUNDSM QTY=1
ExGeoLoc:E059S

5.4 9257C WE=B
PLAC AFLBRFJ-LCSCD3M
ORD=1 REC=1
ExGeoLoc:E059S

2.9 822C WE=B
CLTP QTY=1

TURN PIPE UP POLE

P=DE
MR1-1

2-10M
10/17

85'-4C
FLEX-PIPE-4IN

85x4# 4C WE=B
2.10 DBOR DUCT-1
ORD=85 REC=85

2.11 4C WE=U
PLAC FLEX-PIPE-4IN
ORD=85 REC=85

TIE IN CONDUITS

40@(30") 4C WE=B
2.12 PLAC DUCT-1
ORD=40 REC=40

2.13 4C WE=U
PLAC DUCT-C4
ORD=40 REC=40

2.18 822C WE=B
SPL

AT CO
2.19 822C WE=H
OTDR QTY=2

2.20 822C WE=B
TERM QTY=2

AT VRAD
2.24 45C WE=B
SPL

(1) #2709690
(2009)
2633'(R)-822C
SR-5BQ2MT-024
OFXX,1-2
OFA,1-2
SR012,53-56
OFXX,9-24

LASH TO EXISTING
OVERHEAD GUY

2.3 822C WE=A
PLAC SR-5BQ2MT-024
ORD=350 REC=320

(2) 350'(CL)
320'(F)-822C
SR-5BQ2MT-024
SR012,53-54
OFC,3-24

2.25 822C WE=U
IDUC

185'(CL)
175'(F)-822C
SR-5BQ2MT-024
SR012,53-54
OFC,3-24

10M
276'

276'

2.29 4C WE=B
REST CONC-DR-6IN
ORD=24 REC=24

01/26/10

NW 49TH CT

50'

50'

SIDEWALK

50x4# 4C WE=B
2.26 DBOR DUCT-1
ORD=50 REC=50

2.27 4C WE=U
PLAC FLEX-PIPE-4IN
ORD=50 REC=50

50'-4C
1-FLEX-PIPE-4IN

R/W

MEDIAN

80'

SIDEWALK

EM

EM

EOP

DBORE 50'

50'

R/W

10' U/E

R/W

SIDEWALK

45C WE=B
2.17 PLAC HANDHOLE30X48
ORD=1 REC=1

4847

DRIVEWAY

NW 96TH AVE

5'-4C
DUCT-C4

45C
1125D
HANDHOLE30X48

40'-4C
DUCT-C4

4838

25@(24") 45C WE=B
2.33 PLAC

(10) 35'(CL)
25'(F)-45C
ANMW-900
1125DFN O,1-200
O,201-400
1125DFN I,1-200
I,201-400
B,801-900

2.1 822C WE=A
PCOIL QTY=1

2.2 822C WE=A
PCOIL QTY=1

2.4 822C WE=A
SPL

2.5 822C WE=A
FBRID QTY=2

2.6 822C WE=A
CCLOS QTY=1

AT CO
2.7 822C WE=H
FBRID QTY=2

2.8 822C WE=H
OTDR QTY=2

01/26/10
2.30 4C WE=B
REST CONC-DR-6IN
ORD=24 REC=24

TO C.O.

01/26/10
2.31 4C WE=B
REST CONC-DR-6IN
ORD=24 REC=24

80'

R/W

SIDEWALK

SPRINGTREE LAKE DR

2.34 45C WE=B
SPL
01/26/10

TUNNEL UNDER SIDEWALK

SIDEWALK

10' U/E

10

B

45C
4848-1
HANDHOLE30X48

2.32 45C WE=B
PLAC

4

01/26/10

4848

DRIVEWAY

2.22 45C WE=B
SPL
AT XBOX

2.23 45C WE=B
PLSSTR QTY=800

MASTEC TURNKEY STEPS

5@(24") 4C WE=B
2.15 Turn Key=Y
PLAC DUCT-1
ORD=5 REC=5

2.16 4C WE=U
Turn Key=Y
PLAC DUCT-C4
ORD=5 REC=5

2.14 822C WE=B
IDUC VFBR24SC100LP
ORD=1 REC=65

(6) 100'(CL)
65'(F)-822C
FBRTLTS-024
SR012,53-54
OFC,3-24

220@(30")
2.21 45C WE=B
PLAC

(3) 300'(CL)
280'(F)-45C
ANMW-900
1125DFN O,1-200
O,201-400
1125DFN I,1-200
I,201-400
B,801-900

2.28 45C WE=B
IDUC CONT-PL-CABLE
ORD=50 REC=50

(4) TAPER:112506
#231066
ADD:900-F/SPS900CFRET
45C (1979)
4848 NW 96TH AV
40FEP5-1800CF
(TERM-1800PR)TERM-2700PR
IN:
IN :14,501-600
IN :22,2226-2325
IN :22,2426-2500
IN :28,501-600
IN :22,76-100
IN :28,701-800
IN :A,501-600
ADD:1125DFN O,1-200 **TO BP 601-800**
ADD:O,201-400
OUT:
OUT:4848N96A,1-1200
ADD:1125DFN I,1-200 **TO BP 1201-1400**
ADD:I,201-400
ADD:B,1701-1800

(5) 9257C
4848 NW 96TH AV VRAD
CLLI:SUNRFLSI
ExGeoLoc:E059S
TAPER:112506
XALP248UTAN
IN:
SR012,53-54
1125DFN I,1-200
I,201-400
OUT:
1125DFN O,1-200
O,201-400

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DWG 2 OF 7

## MASTEC TURNKEY STEPS

| | |
|---|---|
| 6.1 | 9257C WE=B<br>PLAC XALP248UTAN<br>ORD=1 REC=1<br>ExGeoLoc:E059S |
| 6.2 | 9257C WE=B<br>PLAC 12FAT145STRING<br>ORD=1 REC=1<br>ExGeoLoc:E059S |
| 6.3 | 9257C WE=B<br>PLAC EJBL100RIT<br>ORD=1 REC=1<br>ExGeoLoc:E059S |
| 6.4 | 9257C WE=B<br>PLAC EJBL100RITEXT<br>ORD=1 REC=1<br>ExGeoLoc:E059S |
| 6.5 | (TERM-1800PR) (1985)<br>TERM-2700PR<br>45C WE=B<br>PLAC F/SPS900CFRET<br>ORD=1 REC=1 |

RETRO X-BOX
ADD 900 PR TOP EXPANSION

## MASTEC SCOPE WORK

1-Place ALP248 cabinet on 4'x6' concrete pad.

2-Place 1-2" pvc elect. conduit from FPL tx to ALP248 PTS.

3-Place 1-4" PVC from handhole to ALP248.

4- Place 30"x48" handhole.

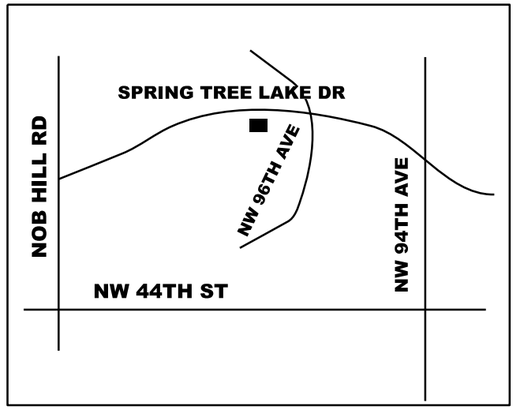
5- Place fiber jumper in ALP248.

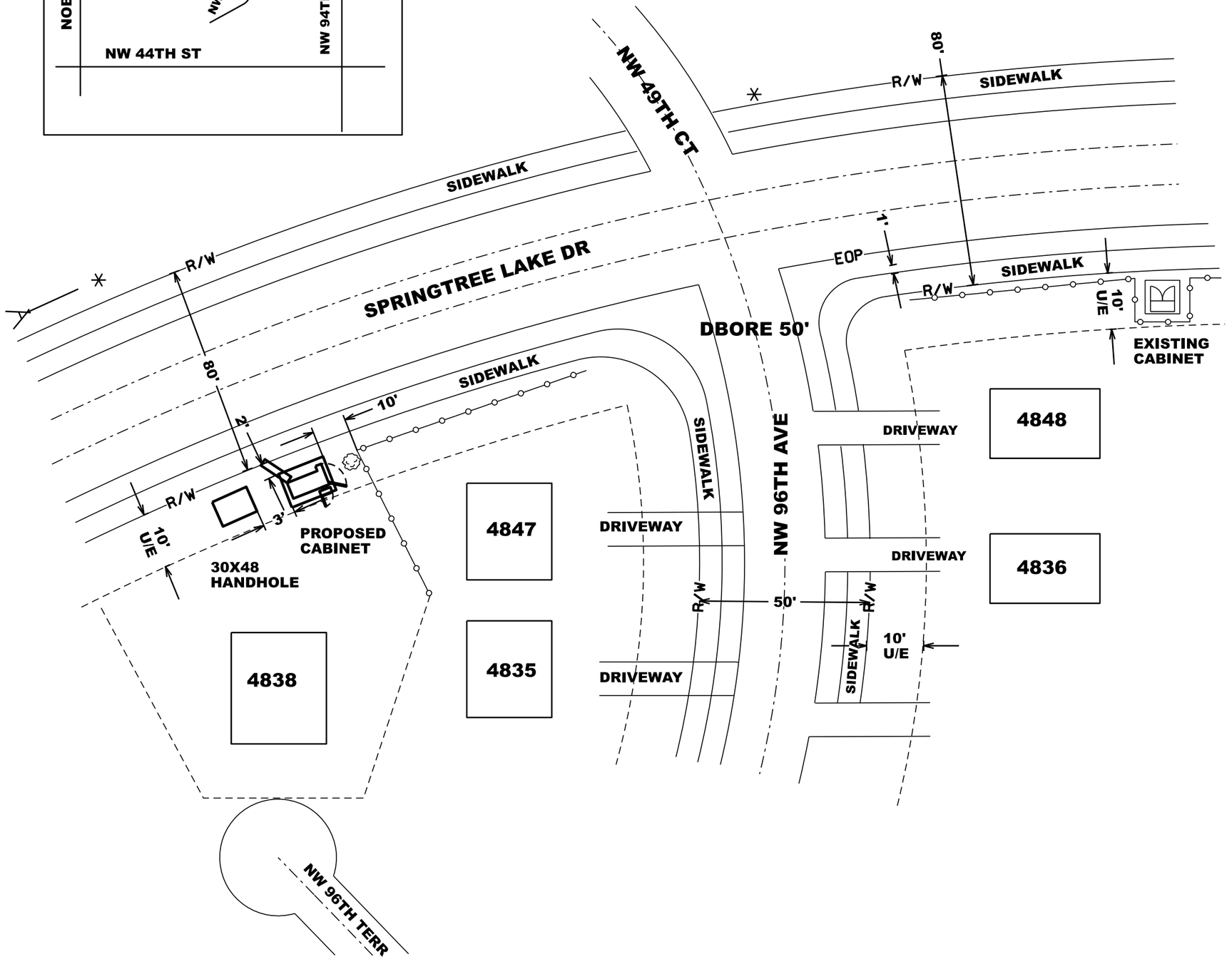
6-Retrofit xbox.

7-Place ground ring.

48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA

## LOCATION MAP

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A.A./Taper: 112506
Tax District: 06127
RZ/CZ: 13/09
Serv Unit Type: NONEW

Designer:
GEORGE QUINTERO
Phone: 954-476-2926

Records Ref:
DE0224B01,D10224B,D10226D

PMT #1298030

Prepared By:
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A Fujikura Business

Job Description:
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DWG 3 OF 7

CONSTRUCTION WORK DRAWING - DLE RT SITE CONCURRENCE & COMMERCIAL POWER APPLICATION

| AT&T ENGINEER | FPL SVC PLANNER | AT&T PCS |
|---|---|---|
| GEORGE QUINTERO | KARIN SANTOS | JOSH WALSH |
| TEL.▪ 954-476-2926 | TEL.▪ 954-717-2085 | TEL.▪ 954-804-1813 |
| EFACTS▪ #1230821 | AREA ▪ E059S | CLLICODE SUNRFLSI |
| TAX FOLIO ▪ 494117050360 | LOT & BLOCK ▪ LOT 7 BLK 2 | TOWNSHIP, SEC, RANGE T49S S17 R41E |
| LOCAL ADDRESS 4838 NW 96TH TERR | SUBDIVISION LAKEVIEW HOMES PLAT B100 P36 | PERMITS REQ'D FROM SUNRISE |

DLE RT SITE CONCURRENCE

TITLE: ENGINEER

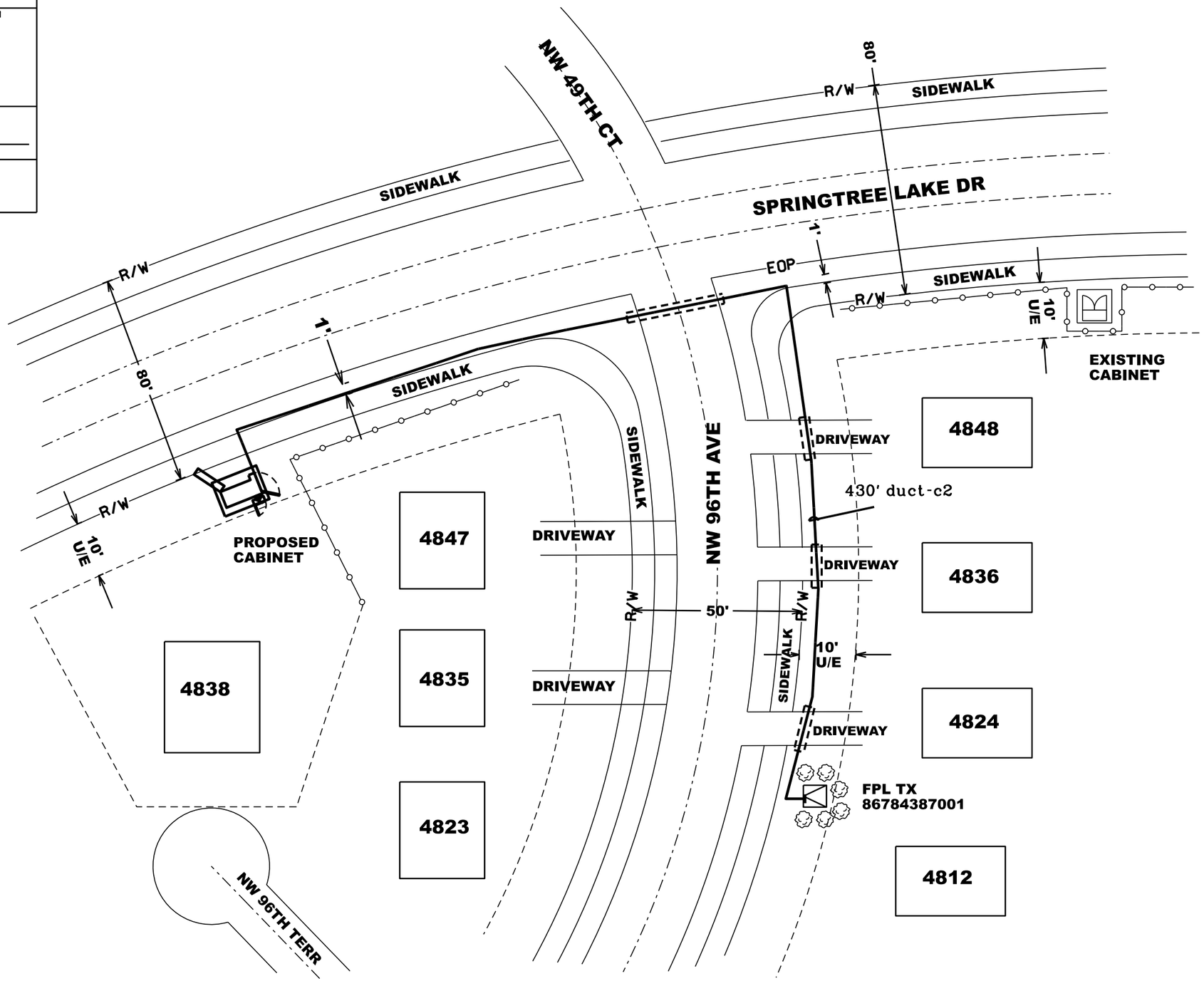
TITLE: ASST.MGR.-PCS

TITLE: ASST.MGR.-DLC

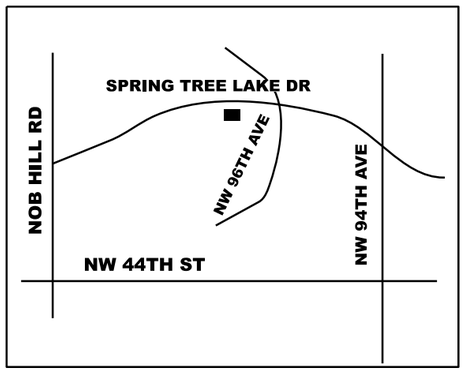
FPL CONTACT:
KARIN SANTOS
954-717-2085

# PERMIT

## FPL PREMISE #688738433




LOCATION MAP

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A.A./Taper: 112506
Tax District: 06127
RZ/CZ: 13/09
Serv Unit Type: NONEW

Designer:
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Phone: 954-476-2926

Records Ref:
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PMT #1298030

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A Fujikura Business

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Job Number / CFAS Project Number:
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DWG 4 OF 7

## PE24 SERIES - UL FILE *E859638

Cabinet rating: 100 Amperes. 120/240 volts~. single phase. 60 Hertz.

22 kaIC rating at 240 Volts.Caution - Series combination rated

22k amperes. Identified replacement components required.Equipped

with Square D. FAL molded case. main breakers. Replace only with

the same type and rating. When replacing/adding load breakers. use only

Square D. OO type. of the same rating. maximum 100 amp.When resetting

breakers. turn to the OFF position then to the ON position. Maximum continuous

loads are not to exceed 80 percent of the overcurrent device ratings employed in other

than motor circuits. except for those circuits employing circuit breakers marked as

suitable for continuous operation at 100 percent of their ratings.

Watt-hour meter and generator inlet are not included in the short circuit withstand rating.

Suitable for use as service entrance equipment. Rainproof. Type 3R. Dead Front.

requires a padlock on door.Weatherproof hubs are required for all knockouts.

Use only 60-75 c. CU-AL wire for field wiring. Manually operated transfer switch

suitable for use in accordance with article 702 of the National Electrical Code.

ANSI/NFPA70.

The transfer switch is equipped with a mechanical sliding link interlock bar for manual transfer of the

commercial power to the generator power. The mechanical sliding link interlock bar prohibits

both power sources from being in the ON position simultaneously. To transfer from one power

source to the other power source. switch one breaker to the OFF position. then slide

the interlock to the opposite side. then switch the opposite breaker to the ON position.

DO NOT attempt to operate both breakers from the OFF to the ON position simultaneously.

*WARNING-DANGER HIGH VOLTAGE. RISK OF ELECTRICAL ARC FLASH OR SHOCK*

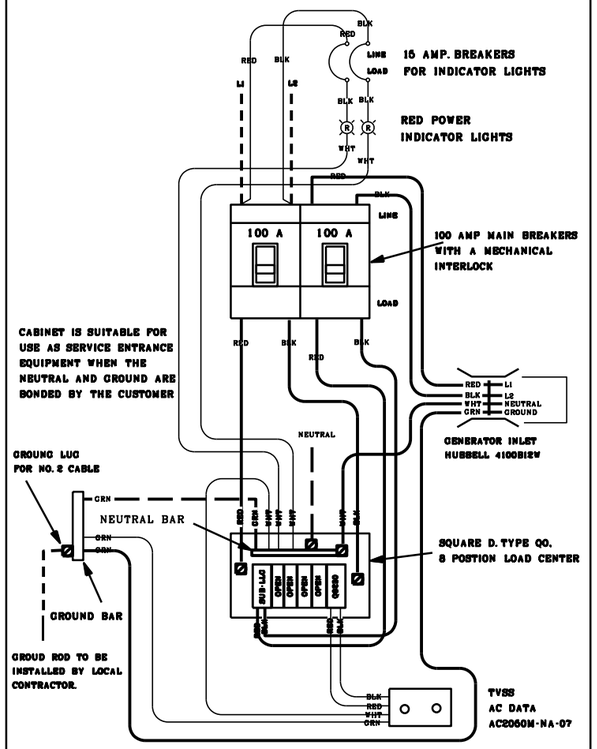
Serviceable by authorized personnel only. Before working on this equipment. disconnect the power supply.

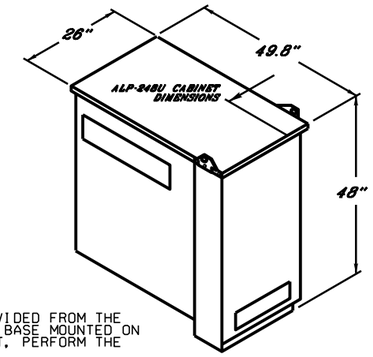
Check the continuity of all wiring with an ohmmeter to verify the correct phasing and grounding connections

before the energizing equipment. After removing knock-outs and /or cutting conduit entry holes. treat all raw

edges and remove all metal shavings to prevent the formation of corrosion.

POWER PERMI T




INTEGRATED PTS

WHEN COMMERCIAL POWER IS PROVIDED FROM THE INTEGRATED PTS VIA THE METER BASE MOUNTED ON THE RIGHT SIDE OF THE CABINET, PERFORM THE FOLLOWING:

SECURE THE CONDUIT TO THE SIDE OF THE CABINET USING THE PROVIDED HARDWARE.

ROUTE THE POWER AND GROUND WIRES FROM THE METER BASE ON THE SIDE OF THE CABINET TO THE AC LOAD CENTER WITHIN THE CABINET.

REMOVE THE LOAD CENTER COVER BY REMOVING FOUR SCREWS ON THE FRONT.

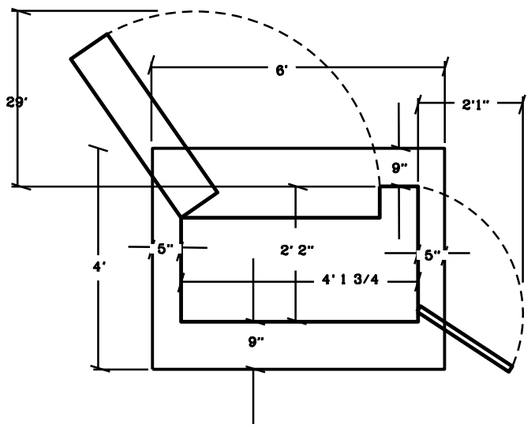
CONNECT THE AC POWER LINES TO THE MAIN BREAKER IN THE LOAD CENTER IN ACCORDANCE WITH NEC AND LOCAL CODES FOR BRANCH CIRCUIT INSTALLATION.

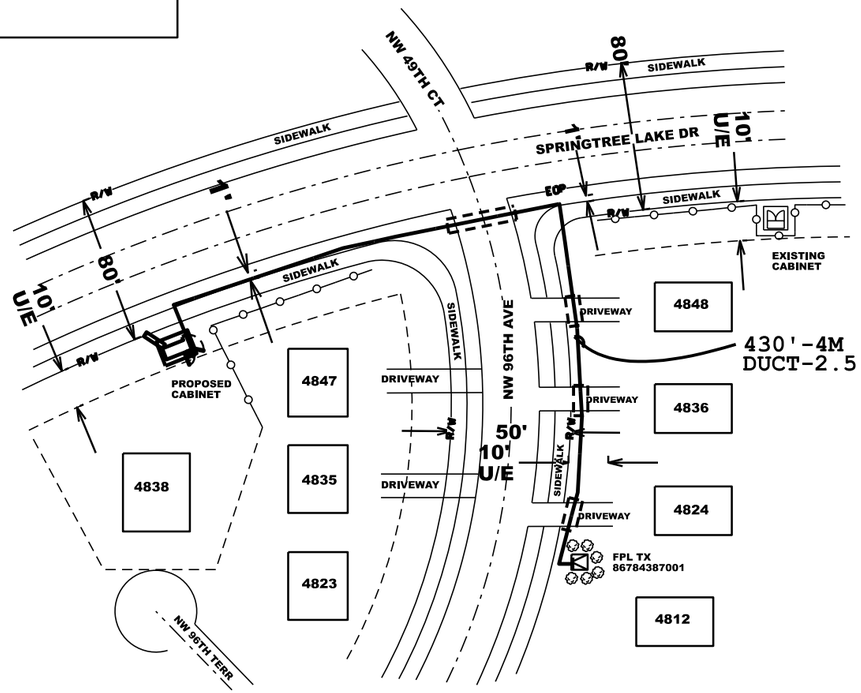
INSTALL THE GROUND WIRE TO THE GROUND BAR, AND NEUTRAL TO THE NEUTRAL BAR.

ATTACH AND SECURE THE LOAD CENTER COVER PANEL BY REINSTALLING THE SCREWS.

IF ALL OTHER WORK IS COMPLETE, CLOSE AND SECURE THE BAY 3 EQUIPMENT CHAMBER DOOR.

## PROPOSED PLACEMENT OF VRAD & CONC. PAD




ATTSE

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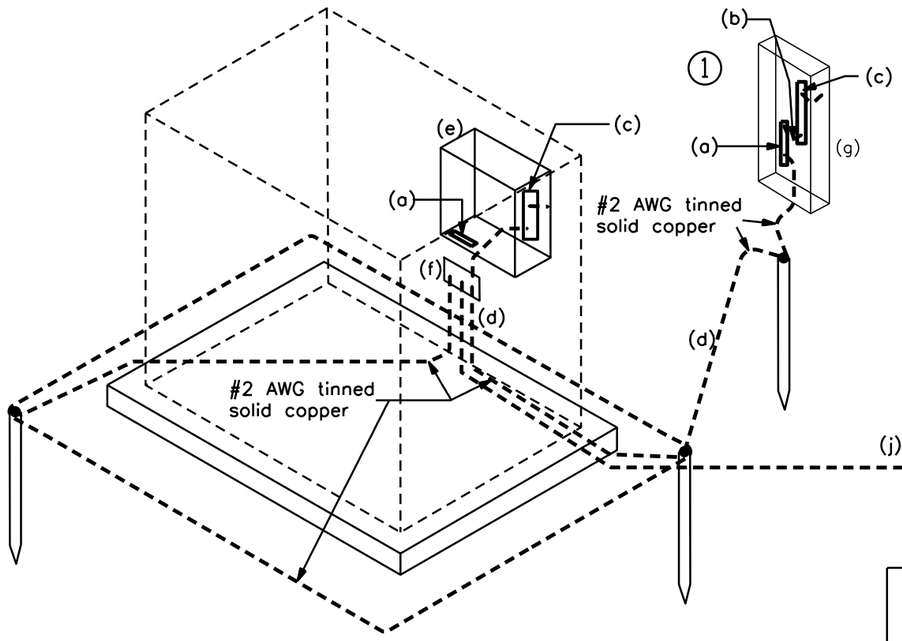
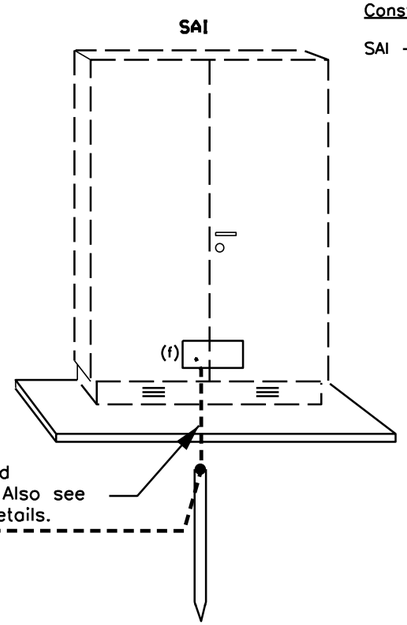
DWG 5 OF 7

# BONDING & GROUNDING

NOT TO SCALE




**Construction Note:**

SAI – Verify all cables bond clamps and each cable has its own individual bond strap which is connectorized to the SAI bonding bar. Also verify that the SAI is properly bonded and grounded by visually checking for connectivity to approved bonding and grounding sources.

(a) neutral bus

(b) main bonding jumper

(c) ACEG bus

(d) grounding electrode conductor

(e) AC distribution cabinet

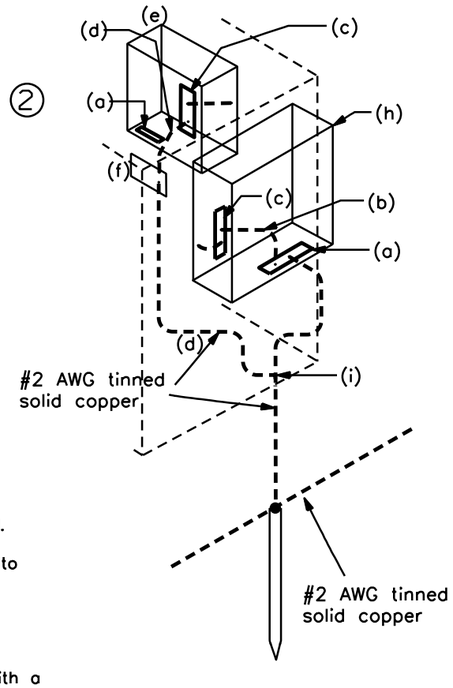
(f) principal ground point bus bar

(g) power pedestal

(h) service disconnect enclosure on exterior of cabinet

(i) compression crimp type parallel connector or exothermic weld

(j) continuous grounding electrode conductor within 30 feet from VRAD to SAI. A three (3) inch radius should be maintain for a #2 ground wire.




1. The power pedestal contains the main ac service disconnect. Within 4 feet of the EEE the grounding electrode conductor connects to the closest ground rod. Beyond 4 feet of the EEE the grounding electrode conductor connects to a dedicated ground rod bonded to the closest ground ring ground rod.

2. The main AC service disconnect is located in an enclosure on the outside of the cabinet.

3. Ground rods shown in the figure shall be covered with a flush mount rod closure.

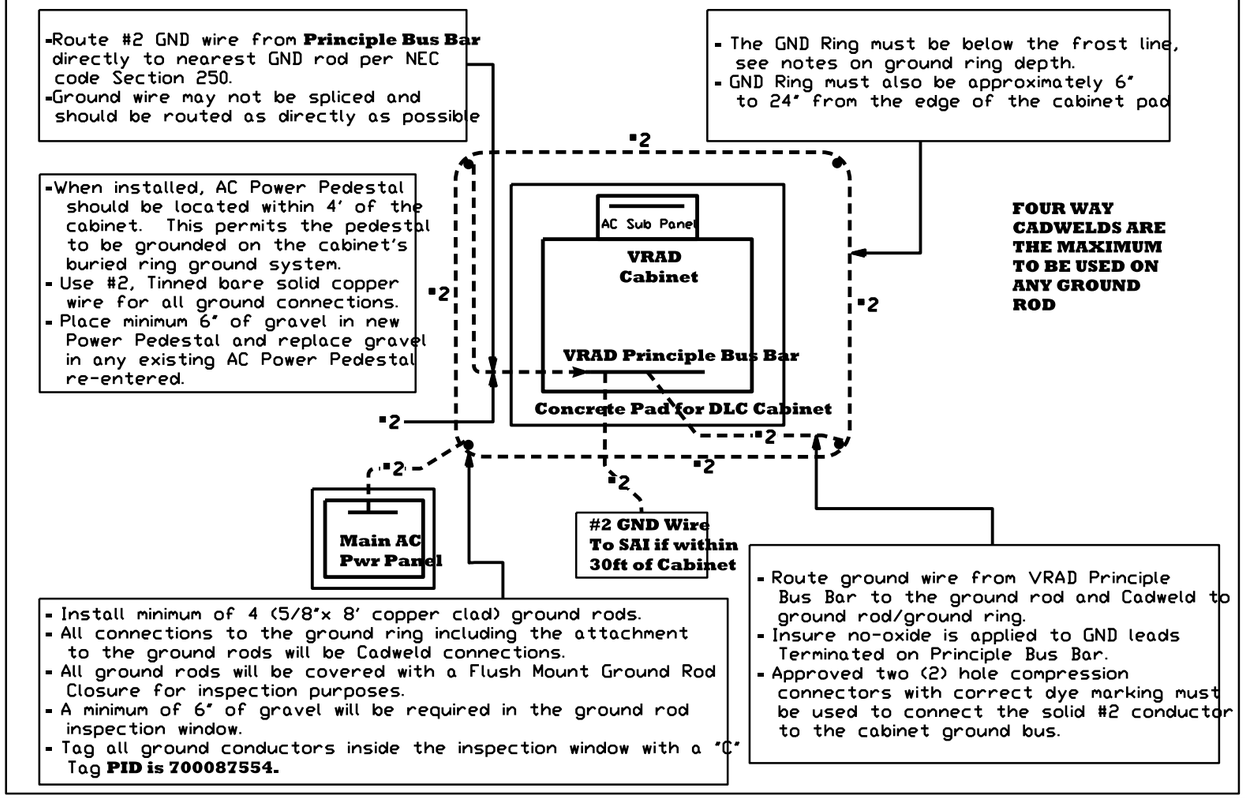
Note 4:

Grounding electrode conductor must be buried minimum of 18" or below frost line whichever is greater. This is defined as that you must follow local permit ordinances.

Note: A Two rod ground ring should be only used where it is designed as single cabinet site or not a full size right of way site. The four rod configuration is recommended way to build a ground ring when it is designed as a multiple cabinet site or full right of way.

AT&T Practice
ATT-TELCO-JA-000-000-599

## FIG. 3 EXAMPLE OF VRAD CABINET BONDING AND GROUNDING

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DWG 6 OF 7

# X-BOX DETAIL

## 4848 SW 9TH AV/TAPER:112506

**SIDE 1**

| | |
|---|---|
| **TAPER CODE:** | **112506** |
| **SAC ADDRESS:** | **4848 NW 96TH AV** |
| **AUTHORITY NO:** | **0EA55032N** |
| **ENGINEER:** | |
| **RZ/CZ:** | **13/09** |
| **C.O. KF:** | |

**REMOTE TERM INFO.**

| | |
|---|---|
| **RT ADDRESS** | **4848 NW 96TH AV** |
| **R.T CLLI CODE** | **SUNRFLSI** |
| **R.T AREA NO.** | **E059S** |
| **C.O KF TO R.T** | **11.3** |
| **R.T KF TO SAC** | **0.28** |

**F2**

| CABLE & COUNT | B.P. |
|---|---|
| 1125DFN_I,1-50 | 1201-1250 |
| 1125DFN_I,51-100 | 1251-1300 |
| 1125DFN_I,101-150 | 1301-1350 |
| | |
| | |

**F2**

| CABLE & COUNT | B.P. |
|---|---|
| 1125DFN_I,151-200 | 1351-1400 |
| I.201-250 | 1401-1450 |
| I,251-300 | 1451-1500 |
| | |
| | |

**F1**

| CABLE & COUNT | B.P. |
|---|---|
| 1125DFN_O,1-50 | 601-650 |
| 1125DFN_O,51-100 | 651-700 |
| 1125DFN_O,101-150 | 701-750 |
| | |
| | |

**F1**

| CABLE & COUNT | B.P. |
|---|---|
| 1125DFN_O,151-200 | 751-800 |
| O,201-250 | 801-850 |
| O,251-300 | 851-900 |
| | |
| | |

**F2**

| CABLE & COUNT | B.P. |
|---|---|
| I,301-350 | 1501-1550 |
| I,351-400 | 1551-1600 |
| O,301-350 | 1601-1650 |
| | |
| | |

**F2**

| CABLE & COUNT | B.P. |
|---|---|
| O,351-400 | 1651-1700 |
| B,1701-1750 | 1701-1750 |
| B,1751-1800 | 1751-1800 |
| | |
| | |

**F2**

| CABLE & COUNT | B.P. |
|---|---|
| 4848N96A,1-100 | 1-100 |
| 4848N96A,101-200 | 101-200 |
| 4848N96A,201-300 | 201-300 |
| 4848N96A,301-400 | 301-400 |
| 4848N96A,401-500 | 401-500 |
| 4848N96A,501-600 | 501-600 |
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**F1**

| CABLE & COUNT | B.P. |
|---|---|
| 14,501-600 | 1-100 |
| 22,2226-2325 | 101-200 |
| 22,2426-2500 | 201-275 |
| 28,501-600 | 276-375 |
| 22,76-100 | 376-400 |
| 28,701-750 | 401-450 |
| 28,751-800 | 451-500 |
| B,501-600 | 501-600 |
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**F2**

| CABLE & COUNT | B.P. |
|---|---|
| 4848N96A,601-700 | 601-700 |
| 4848N96A,701-800 | 701-800 |
| 4848N96A,801-900 | 801-900 |
| 4848N96A,901-1000 | 901-1000 |
| 4848N96A,1001-1100 | 1001-1100 |
| 4848N96A,1101-1200 | 1101-1200 |
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**NOTE TO SPLICER:**
**PLEASE RELABEL BINDING POSTS AS FOLLOWS:**
**_O COUNT WITH PURPLE LABELS**
**_I COUNT WITH YELLOW LABELS**

ATTSE

Construction Work Drawing

PROPRIETARY INFORMATION

Not for disclosure outside the AT&T family of companies except under written agreement.

State: FLORIDA
District: BROWARD
Exchange: SUNRISE
Wire Ctr: FTLDFLSU

A.A./Taper: 112506
Tax District: 06127
RZ/CZ: 13/09
Serv Unit Type: NONEW

Designer:
GEORGE QUINTERO
Phone: 954-476-2926

Records Ref:
DE0224B01,D10224B,D10226D

PMT #1298030

Prepared By:
AFL Network Services
A Fujikura Business

Job Description:
PLSHW(1125D):PLACE ALP-248U CAB @ 4848 NW 96TH AVE-LU=287

Job Number / CFAS Project Number:
0EA55032N / 7487817

DWG 7 OF 7