

PETITION FOR POLE AND WIRE LOCATIONS  
UNDER MGL c. 166, §§ 22 and 25A

April 7, 2017

Board of Selectmen  
Town of Needham, Massachusetts  
1471 Highland Avenue  
Needham, Massachusetts 02492

Cellco Partnership, d/b/a Verizon Wireless (“Verizon”), hereby requests permission to locate small cell wireless antennas, and all necessary sustaining and protecting fixtures, on an existing utility pole, located on a public way near **842 Central Avenue in Needham, Massachusetts**, and as more particularly shown on plans titled **Needham SC16 MA**, dated **November 1, 2016**, and attached hereto as Exhibit A.

Verizon requests after requisite notice and hearing, that it be granted location and permission to erect and maintain equipment on said utility pole, including, but not limited to:

- Antennas;
- Radio Units;
- Meters;
- Mounting brackets;
- Groundbars;
- Conduits;
- Cables;
- Disconnects; and
- All other necessary sustaining and protecting fixtures.

**CELLCO PARTNERSHIP, D/B/A VERIZON WIRELESS**

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**Joshua P. Lanzetta, Esq.**

Attorney for Cellco Partnership d/b/a Verizon Wireless

ORDER FOR POLE AND WIRE LOCATIONS  
UNDER MGL c. 166, §§ 22 and 25A

In the Town of Needham, Massachusetts,  
Notice supplied and public hearing held, as provided by law,

IT IS HEREBY ORDERED:

That Cellco Partnership d/b/a Verizon Wireless ("Verizon") is granted location and permission to install and maintain wireless equipment and all sustaining and protecting fixtures on an existing utility pole located on a public way near **842 Central Avenue in Needham, Massachusetts**, as requested by Verizon's Petition for Pole and Wire Locations Under MGL c. 166, §§ 22 and 25A, dated **[DATE]**.

All construction under this order shall be in accordance plans titled **Needham SC16 MA**, dated **November 1, 2016**.

All equipment shown on the aforementioned plans may be attached to said utility pole, including, but not limited to:

- Antennas;
- Radio Units;
- Meters;
- Mounting brackets;
- Groundbars;
- Conduits;
- Cables;
- Disconnects; and
- All other necessary sustaining and protecting fixtures.

I hereby certify that this order was adopted at a meeting of the Board of Selectmen of the Town of Needham, Massachusetts, held on the \_\_\_\_ day of \_\_\_\_\_, 2017.

Town Clerk  
Town of Needham, Massachusetts  
1471 Highland Avenue  
Needham, Massachusetts 02492

Received and entered in the records of location orders of the Town of Needham, at Book \_\_\_\_\_,  
Page \_\_\_\_\_.

Attest: \_\_\_\_\_  
Town Clerk  
Town of Needham, Massachusetts

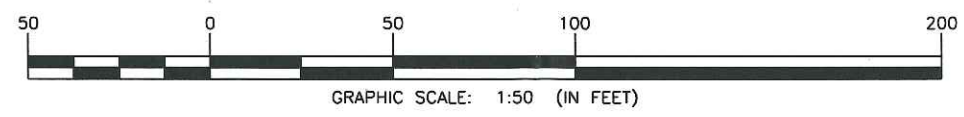
SITE NAME:  
NEEDHAM\_SC16\_MA

LOCATION CODE:  
390211

SITE ADDRESS:  
UTILITY POLE NO.: 7-101  
842 CENTRAL AVENUE  
NEEDHAM, MA 02492



1 KEY PLAN  
SCALE: 1" = 50'



|                  |                        |                   |
|------------------|------------------------|-------------------|
| POLE COORDINATES | LATITUDE (NAD83)       | LONGITUDE (NAD83) |
|                  | 42° 17' 30.26" N       | 71° 14' 59.61" W  |
| GROUND ELEVATION | 110' A.M.S.L. (NAVD88) |                   |

LEASE EXHIBIT

PREPARED BY:

**NEXIUS**  
TRANSFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:  
7A LYBERTY WAY  
WESTFORD, MA 01886  
1 (972) 755-1882

COMMONWEALTH OF MASSACHUSETTS

RONALD J. JACKSON  
STRUCTURAL  
No. 27127  
REGISTERED  
PROFESSIONAL ENGINEER

*Ronald J. Jackson*

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| SUBMITTALS |          |                      |    |
|------------|----------|----------------------|----|
| REV        | DATE     | DESCRIPTION          | BY |
| A          | 09/12/16 | FOR REVIEW           | JM |
| B          | 11/01/16 | REVISED PER 2C       | PN |
| C          | 03/28/17 | REVISED PER COMMENTS | KT |
|            |          |                      |    |
|            |          |                      |    |

SITE INFO:

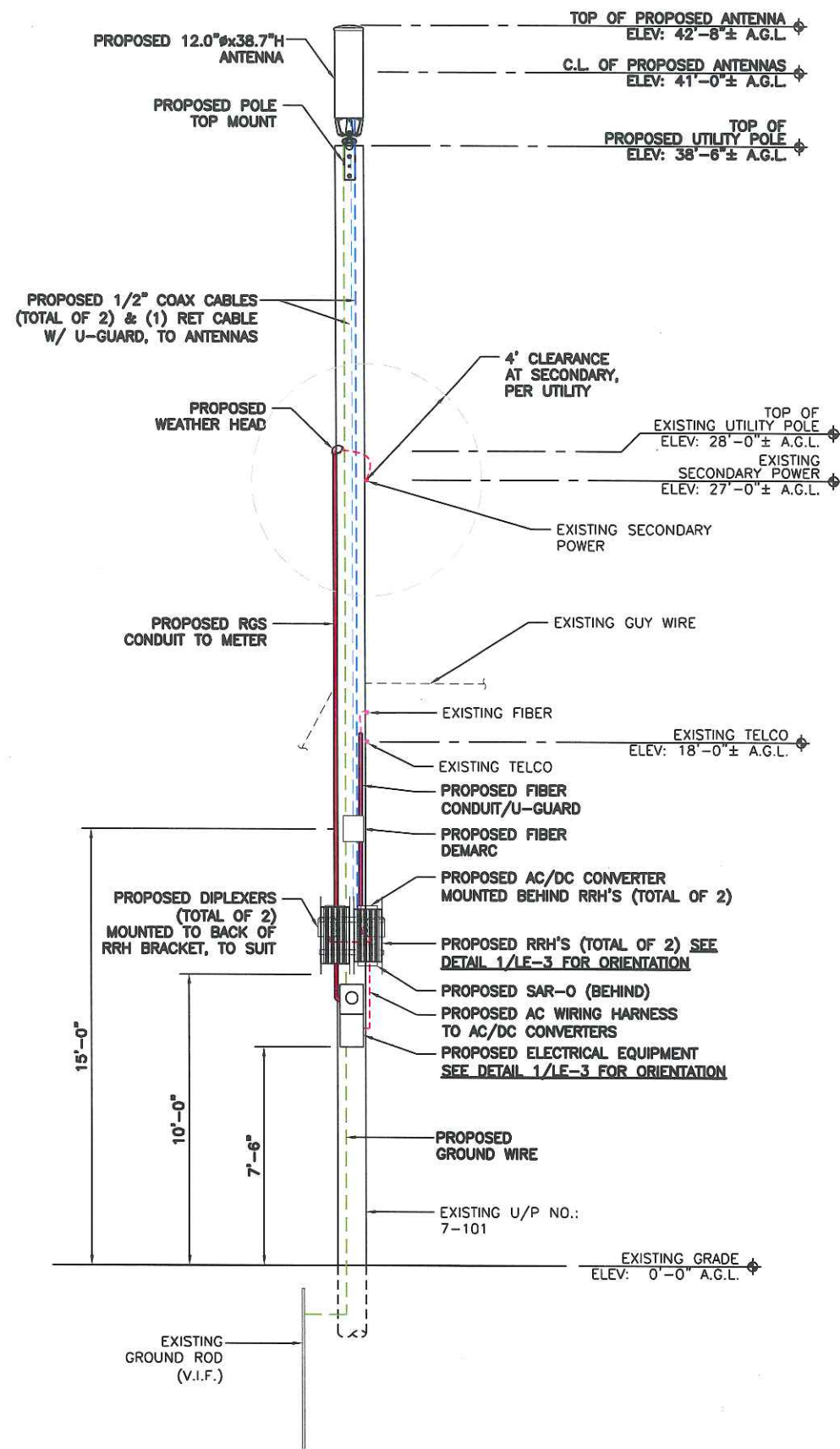
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NEEDHAM\_SC16\_MA

SITE ADDRESS:  
U/P NO.: 7-101  
842 CENTRAL AVENUE  
NEEDHAM, MA 02492

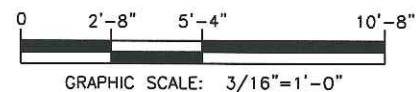
|             |          |
|-------------|----------|
| CHECKED BY: | DATE:    |
| KB          | 09/12/16 |

PROJECT NUMBER:  
20151264305

SHEET NUMBER:  
**LE-1**



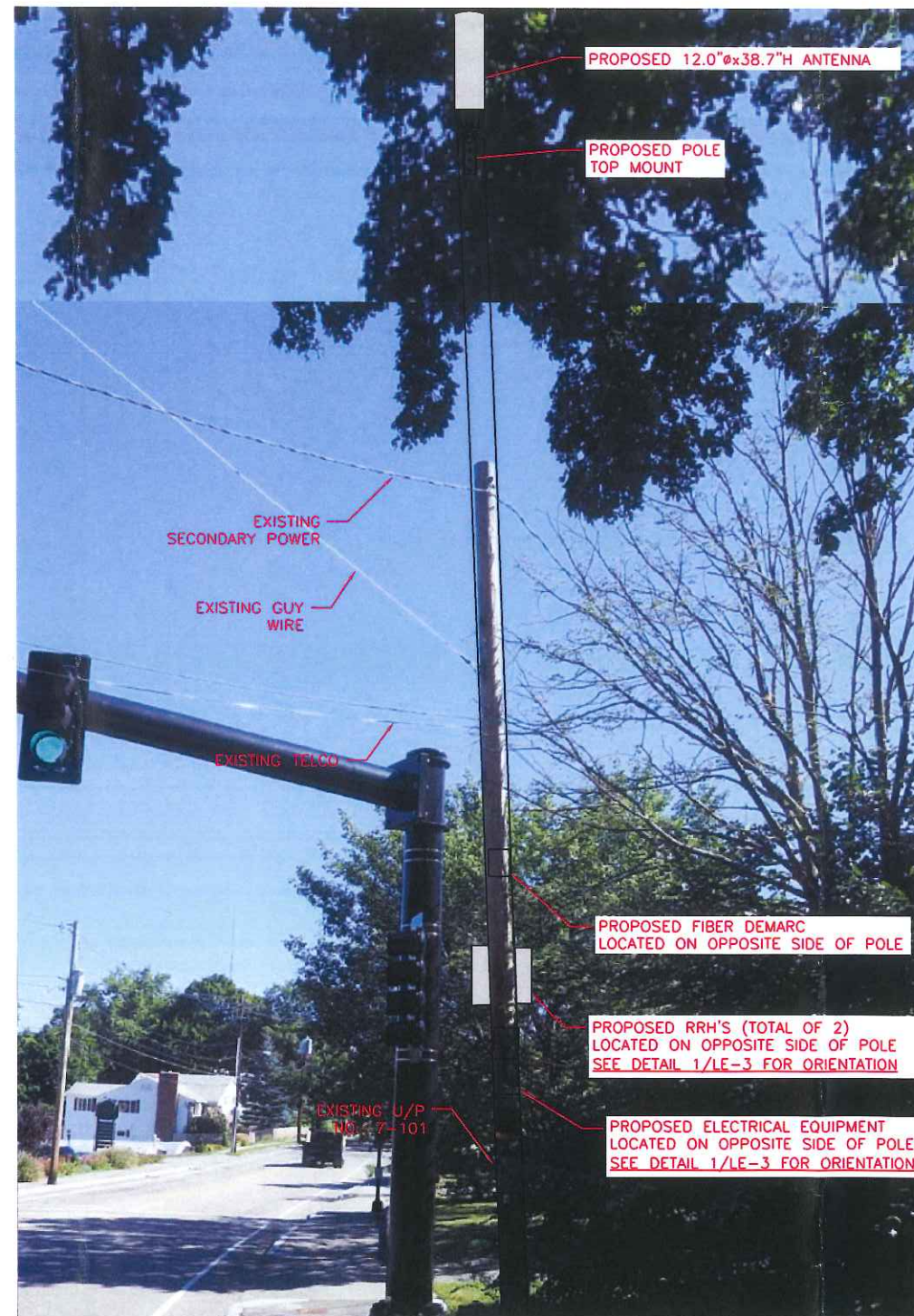
① **ELEVATION**  
3/16" = 1'-0"



1. NOTE ON STRUCTURAL ASSESSMENT OF UTILITY POLE BEFORE ISSUANCE OF ATTACHEMENT LICENCE, UTILITY POLE OWNER HAS COMPLETED INDUSTRY-STANDRAD STRUCTURAL ANALYSIS TO CONFIRM THAT POLE HAS STRUCTURAL CAPACITY TO SUPPORT THE ATTACHMENTS PROPOSED, BASED ON STANDARDS SPECIFIED IN: (1) NATIONAL ELECTRIC SAFETY CODE (LATEST EDITION); AND (2) NSI 05.1-2008 SPECIFICATIONS AND DIMENSIONS FOR WOOD POLES (LATEST EDITION).

**LEASE EXHIBIT**

THIS LEASE PLAN IS DIAGRAMMATIC IN NATURE AND IS INTENDED TO PROVIDE GENERAL INFORMATION REGARDING THE LOCATION AND SIZE OF THE PROPOSED WIRELESS COMMUNICATION FACILITY. THE SITE LAYOUT WILL BE FINALIZED UPON COMPLETION OF SITE SURVEY AND FACILITY DESIGN



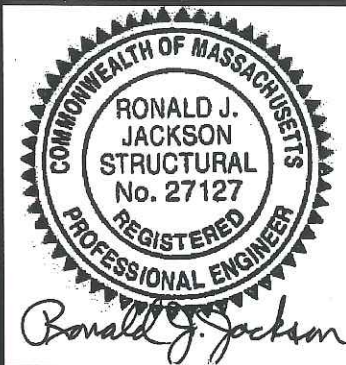
② **PHOTO DETAIL**  
N.T.S.

LEASE EXHIBIT

PREPARED BY:

**NEXIUS**  
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A&E OFFICE:  
7A LYBERTY WAY  
WESTFORD, MA 01886  
1 (972) 755-1882



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**SUBMITTALS**

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| C   | 03/28/17 | REVISED PER COMMENTS | KT |

SITE INFO:

SITE NAME:  
**NEEDHAM\_SC16\_MA**

SITE ADDRESS:

U/P NO.: 7-101  
842 CENTRAL AVENUE  
NEEDHAM, MA 02492

CHECKED BY:

KB

DATE:

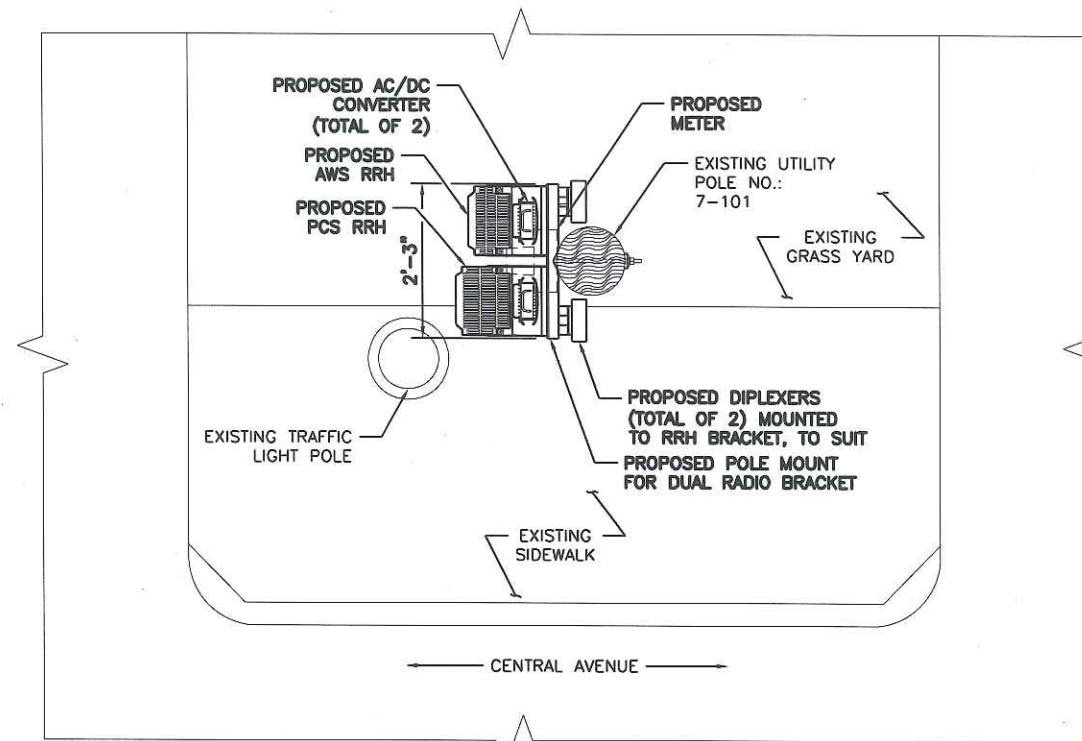
09/12/16

PROJECT NUMBER:

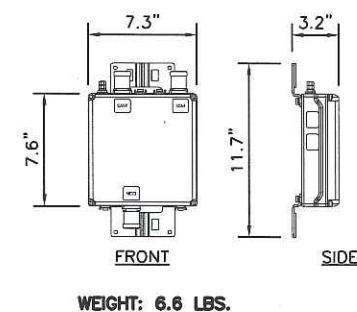
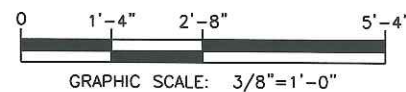
20151264305

SHEET NUMBER:

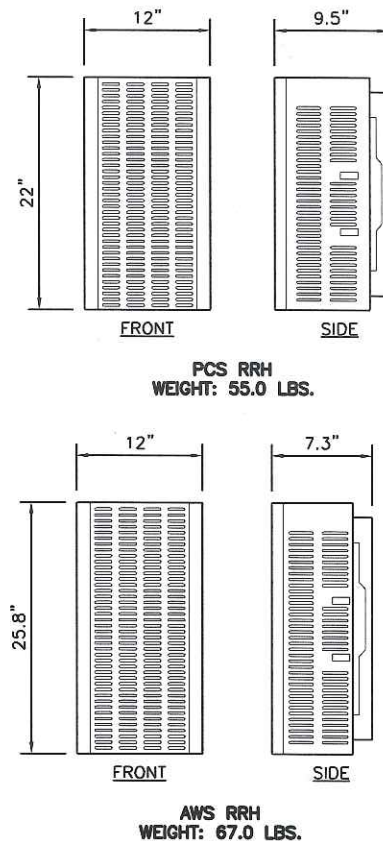
**LE-2**



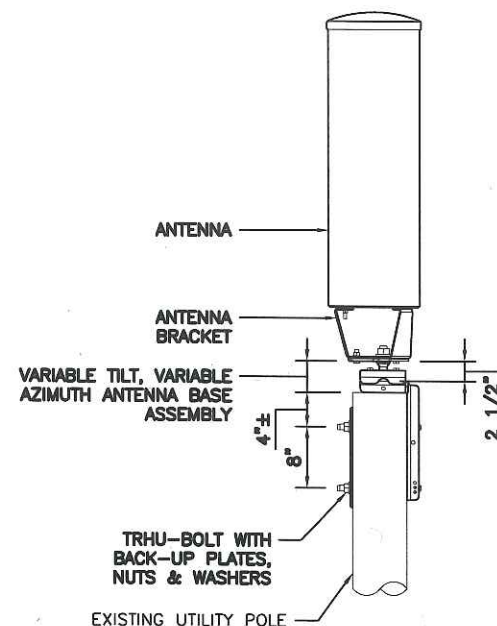
1 RRH ORIENTATION PLAN  
3/8" = 1'-0"



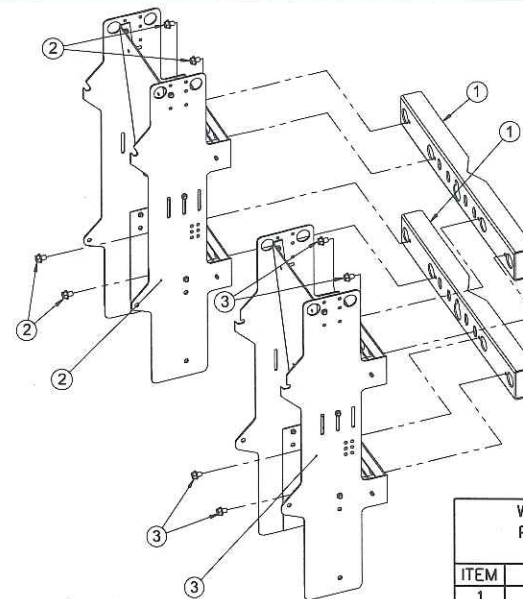
4 DIPLEXER SPEC.  
N.T.S.



5 RRH SPEC.  
N.T.S.

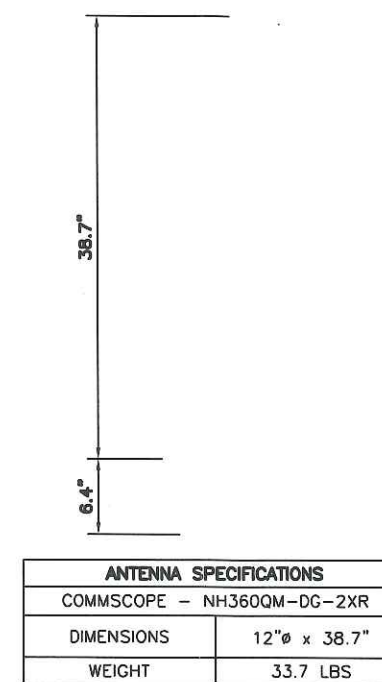


6 ANTENNA MOUNTING DETAIL  
N.T.S.

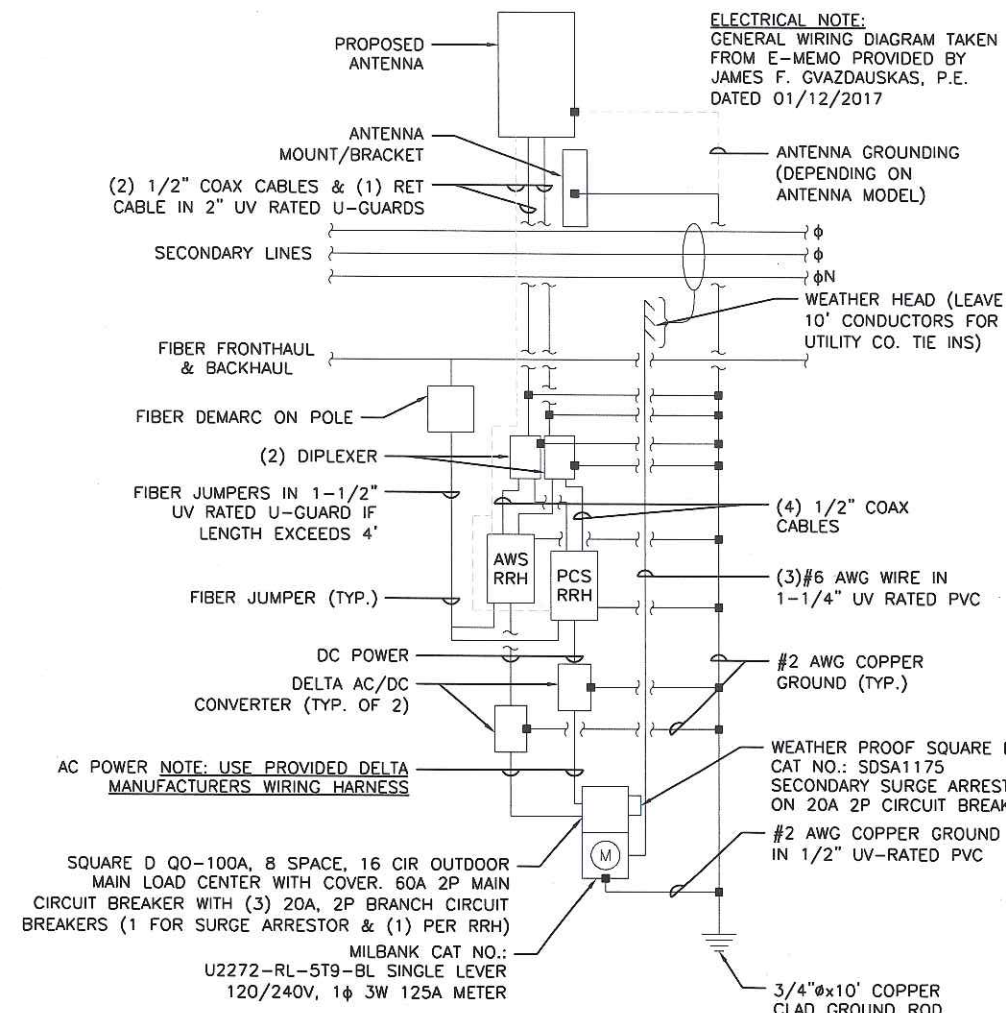


| WIRELESS CONSTRUCTION, INC.<br>POLE/WALL MOUNT FOR DUAL<br>RADIO BRACKET |                                         |      |
|--------------------------------------------------------------------------|-----------------------------------------|------|
| ITEM                                                                     | DESCRIPTION                             | QTY. |
| 1                                                                        | DOUBLE MOUNT                            | 2    |
| 2                                                                        | 700MHZ RRH RACK W/<br>SUPPLIED HARDWARE | 1    |
| 3                                                                        | AWS RRH RACK W/<br>SUPPLIED HARDWARE    | 1    |

2 RRH MOUNTING BRACKET SPEC.  
N.T.S.



3 ANTENNA SPEC.  
N.T.S.



7 GENERAL WIRING DIAGRAM  
N.T.S.

PREPARED BY:

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CHECKED BY: **KB** DATE: **09/12/16**

PROJECT NUMBER:  
**20151264305**

SHEET NUMBER:

**LE-3**