

ITEM	DESCRIPTION
1	POLE SKIN
2	TOP PLATE
3	BOTTOM PLATE
4	DOOR SUPPORT FRAME
5	REAR DUCT LINING
6	DUCT END CAPS
7	DUCT SEPARATOR
8	ION MOUNTING PLATE
9	ION TOP HOLDING ASSEMBLY
10	STRUCTURAL MEMBERS/ WIREWAY
11	DUCT WIREWAY LINING
12	M-ION
13	FILLER BLOCK
14	FRONT DUCT LINING
15	DOOR LINING
16	DOOR

NOTES:
1. STEEL COMPONENTS SHOWN IN GREEN, NOISE ATTENUATING FOAM SHOWN IN GRAY
2. DESIGN NOT YET STRUCTURALLY VERIFIED, SMALL CHANGES TO THICKNESS AND MATERIAL SPECIFICATION OF STEEL COMPONENTS MAY BE REQUIRED TO MEET REQUIRED LOADING.

ConcealFab
Corporation

3265 FILLMORE RIDGE HEIGHTS
COLORADO SPRINGS, CO 80907
PHONE :719-599-3400
FAX: 719-599-0057

PROPRIETARY INFORMATION
USE, REPRODUCTION, OR
DISCLOSURE IS SUBJECT TO
RESTRICTIONS SET FORTH IN
NON-DISCLOSURE AGREEMENT
AND OTHER CONTRACT
DOCUMENTS PERTAINING TO THIS
PROJECT

Project Information:

PROJECT
**12" DIAMETER ION
UTILITY POLE**

Rev: Date: Description: By:

A	07/10/13	NEW RELEASE	OBC
B	08/21/13	REVISED DESIGN	OBC

DO NOT
SCALE DWG

DIMENSIONS ARE IN INCHES

DECIMAL	ANGLE	FRACTION
X.XX ± 0.020	±1°	±1/16"
X.XXX ± 0.010		

Consultant:

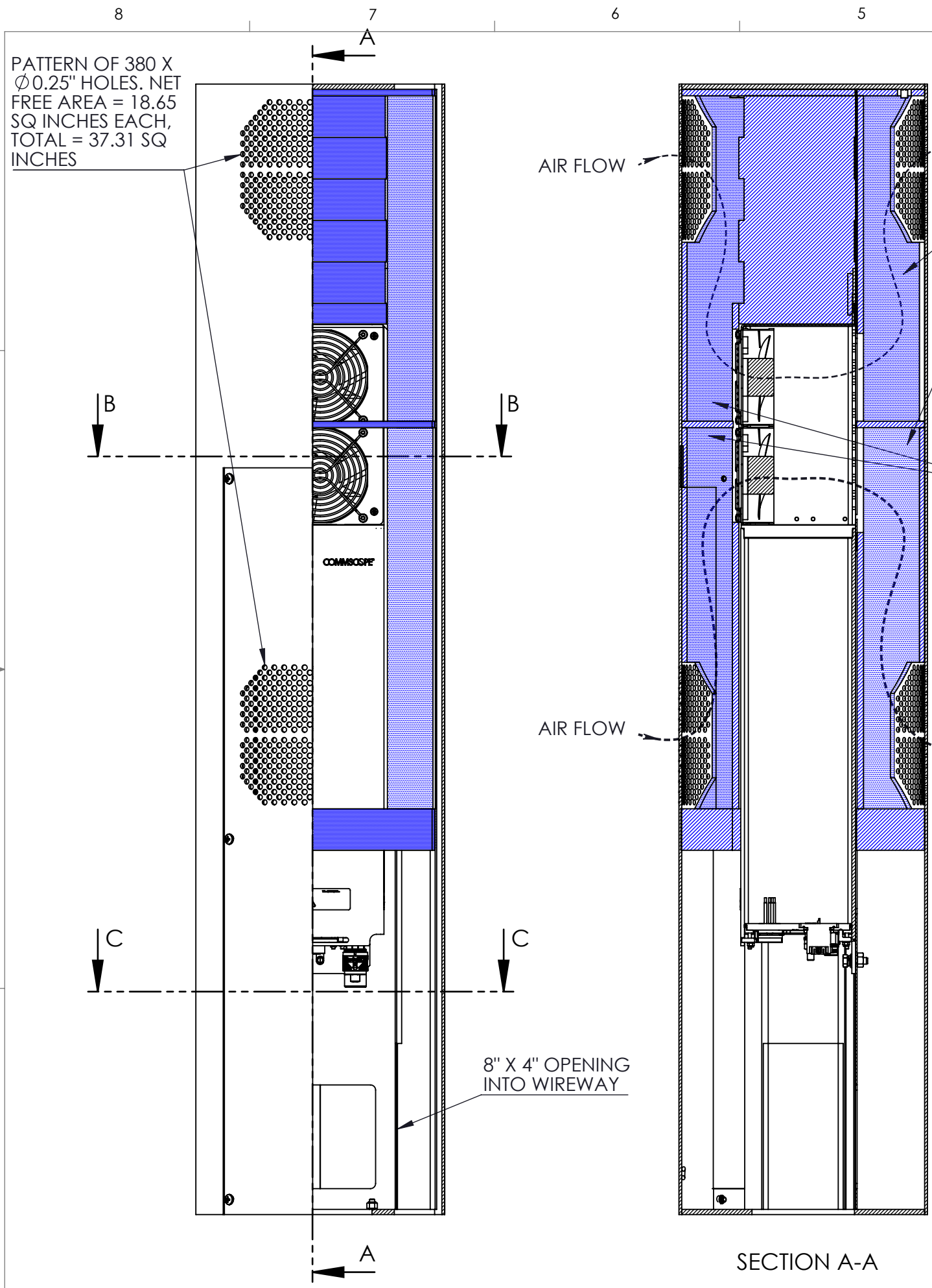
Consultant:

Sheet Title:

**12" ION
UTILITY POLE
BOM**

Part Number:

001485

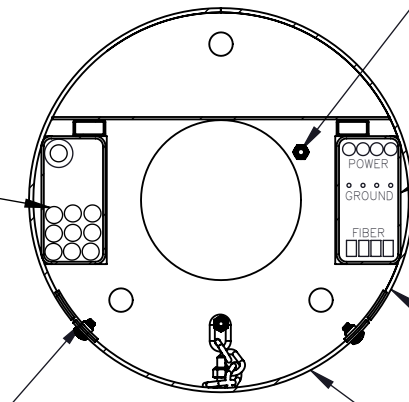
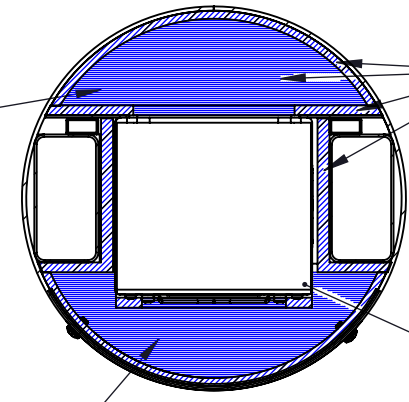


AIR OUTLET DUCT
18.61 SQ INCHES
AREA UP & DOWN
= 37.22 SQ INCHES

AIR INLET DUCT
18.78 SQ INCHES
AREA UP & DOWN
= 37.56 SQ INCHES

WIREWAY SHOWING
9 SIGNAL CABLES
ALREADY ROUTED
THROUGH PLUS ONE
CONNECTOR BEING
PASSED THROUGH

1/4" RIVET NUT
AND 1/4" CH
SCREW HATCH
FASTENING



NOISE
ATTENUATING
FOAM

M-ION RADIO UNIT

SECTION B-B

GROUNDING STUD

4" X 2" X 14GA
RECTANGULAR TUBE
(VERTICAL WIREWAY)

12" OD X
10GA STEEL

REMOVEABLE
DOOR HATCH

SECTION C-C

PROPRIETARY

KEY

- NOISE ATENUATING FOAM (SECTION)
- NOISE ATENUATING FOAM (END VIEW)

ConcealFab Corporation
3265 FILLMORE RIDGE HEIGHTS
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**12" DIAMETER ION
UTILITY POLE**

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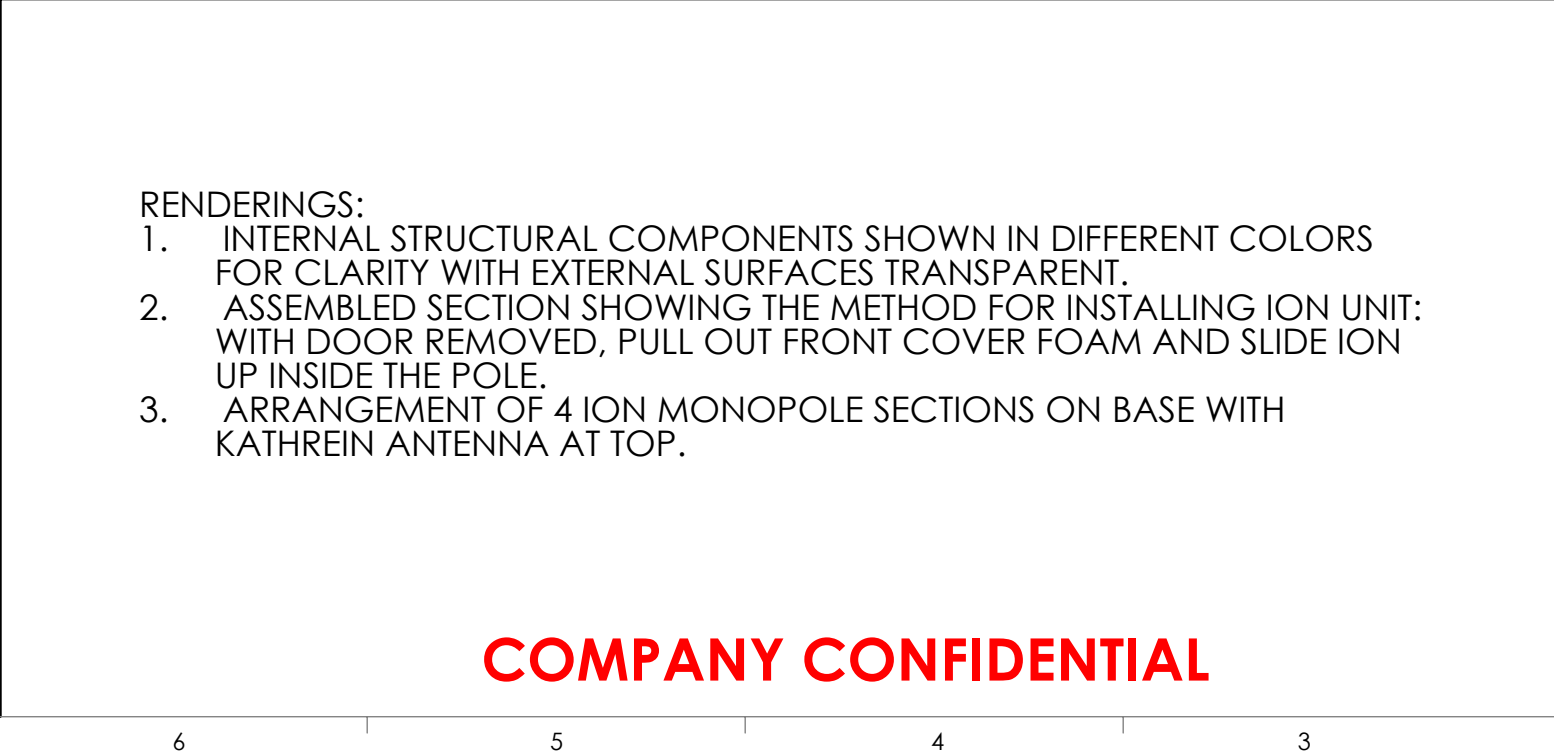
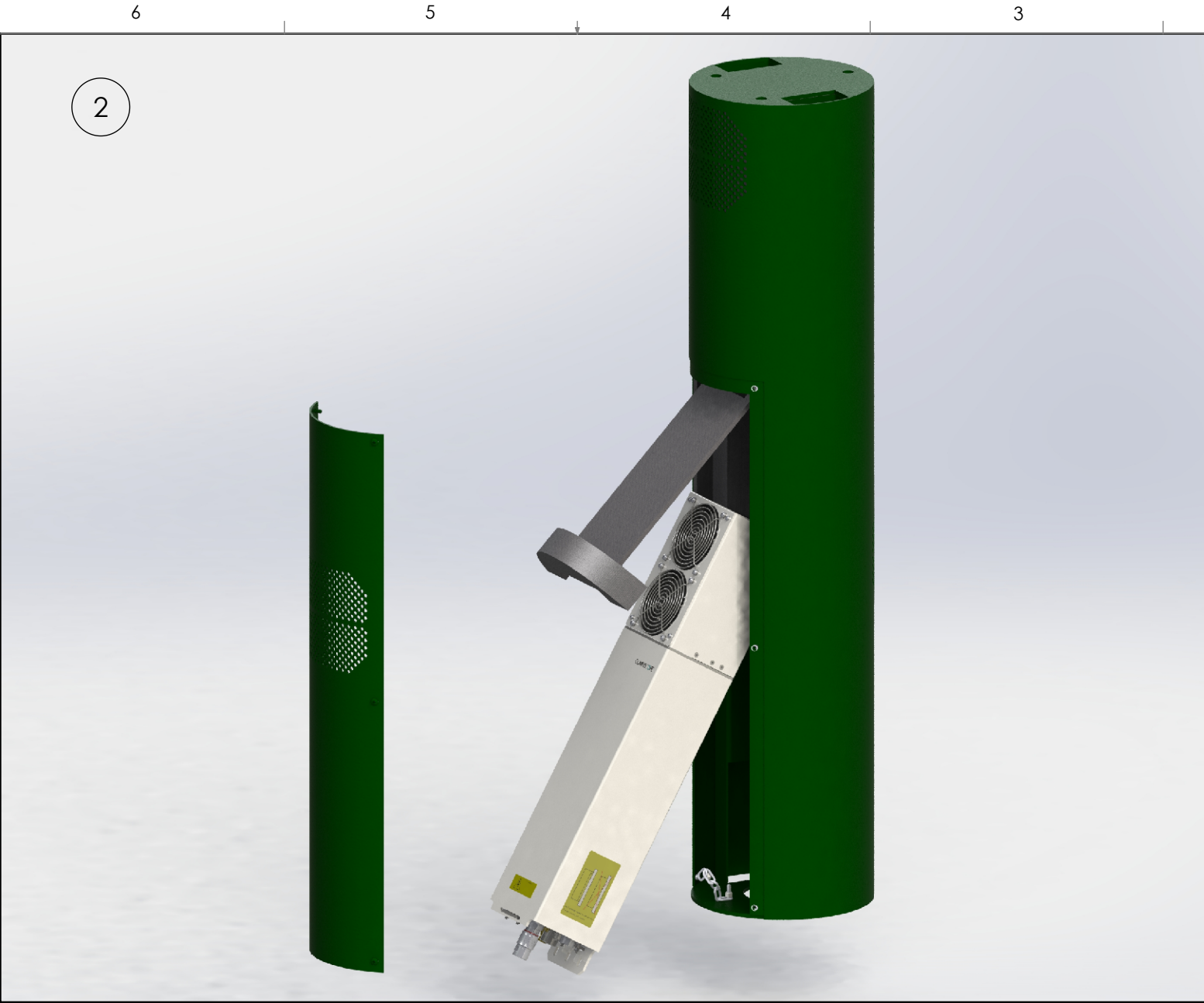
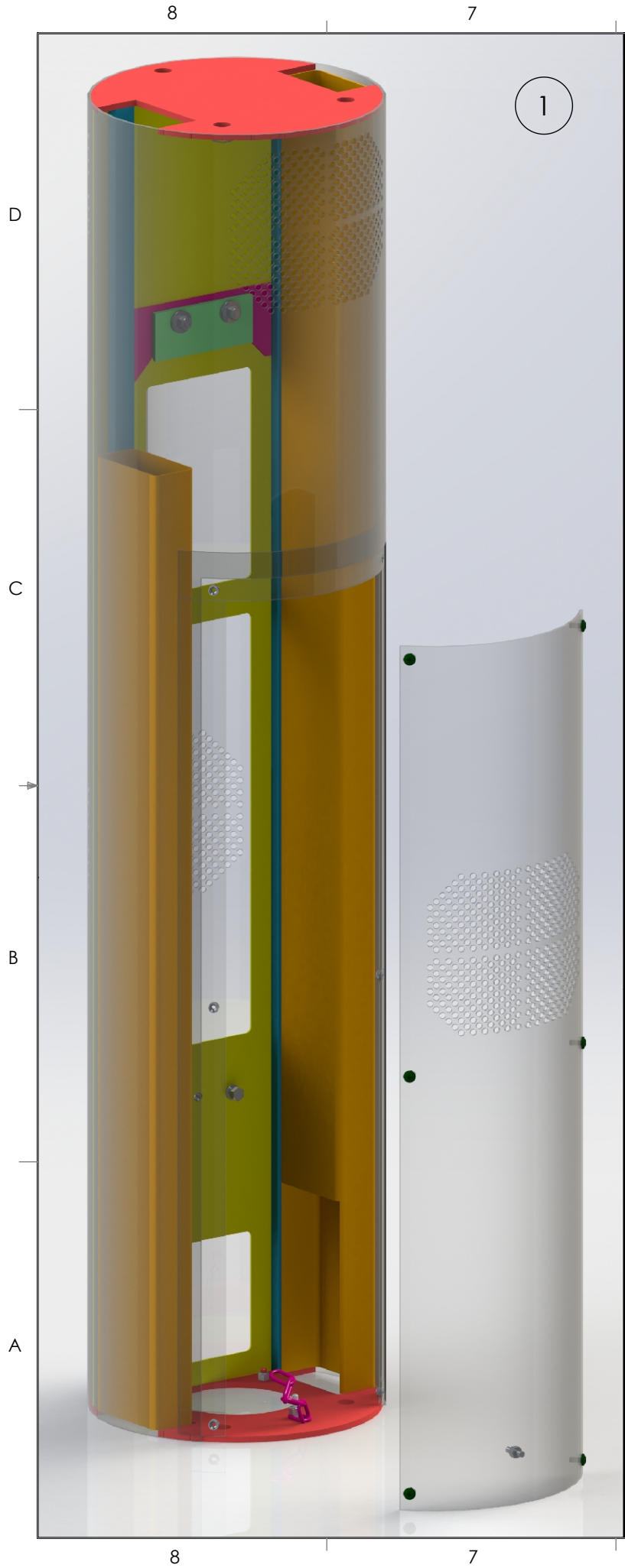
Consultant:

Consultant:

Sheet Title:
**12" ION
UTILITY POLE
SECTION VIEWS**

Part Number:
001486

SCALE 1:6



- RENDERINGS:
1. INTERNAL STRUCTURAL COMPONENTS SHOWN IN DIFFERENT COLORS FOR CLARITY WITH EXTERNAL SURFACES TRANSPARENT.
 2. ASSEMBLED SECTION SHOWING THE METHOD FOR INSTALLING ION UNIT: WITH DOOR REMOVED, PULL OUT FRONT COVER FOAM AND SLIDE ION UP INSIDE THE POLE.
 3. ARRANGEMENT OF 4 ION MONOPOLE SECTIONS ON BASE WITH KATHREIN ANTENNA AT TOP.

COMPANY CONFIDENTIAL

ConcealFab Corporation

3265 FILLMORE RIDGE HEIGHTS
COLORADO SPRINGS, CO 80907
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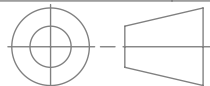
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12" DIAMETER ION
UTILITY POLE

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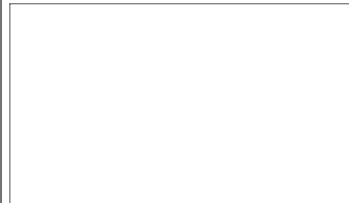
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X.XXX ± 0.010		

Consultant:



Consultant:



Sheet Title:

12" ION
UTILITY POLE
RENDERINGS

Part Number:

001487



C241-GR484

Dark Gray Fine Texture Semi-Gloss



C241-GR07

Gray Fine Texture Semi-Gloss



C241-GR305

Bay Gray Fine Texture Semi-Gloss



T243-GR522

Flint Gray Fine Texture Semi-Gloss



T241-GR11

Platinum Gray Fine Texture Semi-Gloss



T031-WH06

Pearl White Fine Texture Semi-Gloss



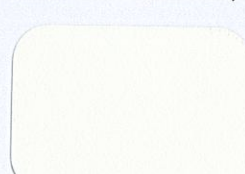
T243-GR301

Quartz Gray Fine Texture Semi-Gloss



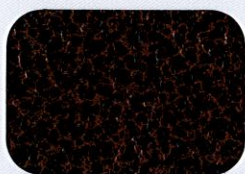
T241-GR142

Light Gray Fine Texture Semi-Gloss



T241-BG137

Beige Fine Texture Semi-Gloss



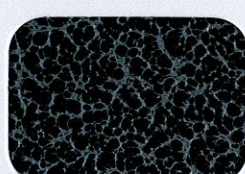
T375-BK07

Copper Vein Semi-Gloss*



T375-BK10

Gold Vein Semi-Gloss*



T375-BK26

Silver Vein Semi-Gloss*



T075-WH34

Black/White Vein Semi-Gloss



T064-BR24

Bronze Hammertone Semi-Gloss



T064-GR660

Gray Hammertone Semi-Gloss



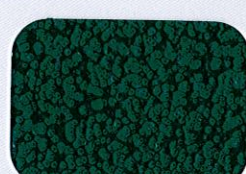
T064-GR05

Silver Hammertone Semi-Gloss



T064-BL95

Blue Hammertone Semi-Gloss



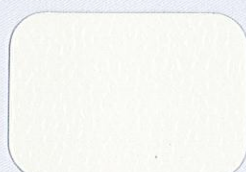
T064-GN81

Green Hammertone Semi-Gloss



C013-GR08

Gray Hammer Semi-Gloss



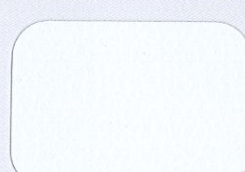
T013-BG38

Beige Hammer Semi-Gloss



T012-WH260

White Hammer Semi-Gloss



T013-WH09

White Hammer Semi-Gloss



T025-BR01

Bronze Pearlescent 50% Gloss



T028-GR02

Steel Gray Pearlescent 80% Gloss



T353-YL02

Brass 30% Gloss*



T357-GR105

Silver Metallic 70% Gloss*



T353-GR06

Silver Metallic 30% Gloss*



T358-GR539

Chrome 80% Gloss*



T391-BG290

Metallic Bronze Semi-Gloss Texture*



T091-GR309

Mock Rock Texture Semi-Gloss



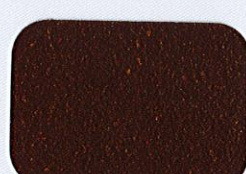
C291-GN20

Patina Texture Semi-Gloss



T091-GN57

Verdigris Texture Semi-Gloss

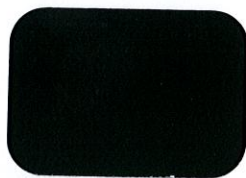


T091-BR47

Rust Texture Semi-Gloss

Computer Colors

Specialty Coatings



C241-BK303
Black Fine Texture Low-Gloss



C081-BK176
Black Wrinkle Semi-Gloss



E311-BK04
Black Hammer Low-Gloss**



T013-BK62
Black Hammer Semi-Gloss



T032-BR62
Brown Fine Texture Semi-Gloss



P004-BR23
Bronze 40% Gloss



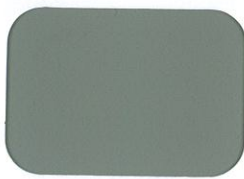
P004-GR09
ANSI #49 Gray 40% Gloss



P004-GR16
ANSI #61 Gray 40% Gloss



H305-GR10
Light Gunmetal Gray 50% Gloss**



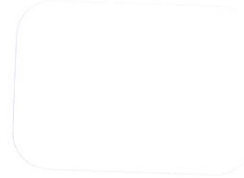
P003-GR01
Gray #26307 30% Gloss



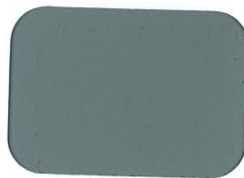
H303-WH16
Antique White 30% Gloss**



P005-WH01
White #27875 50% Gloss



T002-WH08
White 20% Gloss



T008-GR736
Gray ANSI 61 80% Gloss



P008-GR21
RAL 7042 Gray 80% Gloss



T009-GR230
RAL 7035 Gray 90% Gloss



T009-WH13
White 90% Gloss



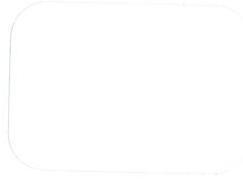
P009-WH14
White 90% Gloss



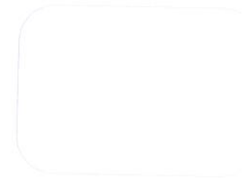
H309-WH27
Frost White 90% Gloss**



T032-BG03
Beige Texture Semi-Gloss



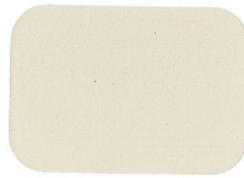
T032-WH15
White Texture Semi-Gloss



C031-WH120
White Texture Semi-Gloss



T009-BG16
Designer Beige 90% Gloss



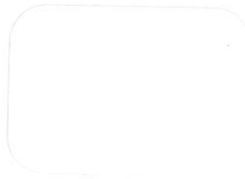
P009-BG02
Beige 90% Gloss



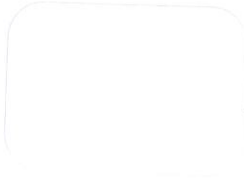
T009-BG01
Almond 90% Gloss



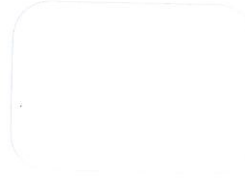
H308-WH25
White 80% Gloss**



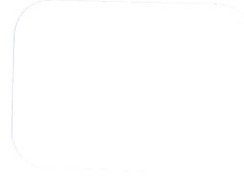
P009-WH04
White 90% Gloss



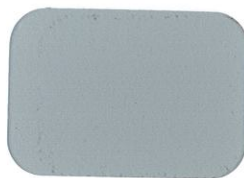
T009-WH11
White 90% Gloss



T009-WH12
Hi-Reflective White 90% Gloss



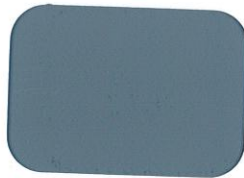
T007-WH121
White 70% Gloss



E305-GR533
Gray Primer 50% Gloss**



E305-WH243
White Primer 50% Gloss**



H304-GR312
Anti-Gassing Primer 40% Gloss**



E396-GR1372
Zinc Rich Primer

If a clear topcoat finish is preferred
T209-CL01 90% Gloss Clear TGIC Polyester
T002-CL02 20% Gloss Clear TGIC Polyester

The samples on this card are
representative only and vary slightly
from actual gloss, color and texture.



Crown Castle
6420 Congress Avenue, Suite 2000
Boca Raton, FL 33487

December 2, 2015

Via Electronic Mail and Federal Express

Deborah Tackett, Senior Planner
Planning and Zoning Department
1700 Convention Center Dr.
Miami Beach, FL 33139

Re: Historic Review Board Application for the installation of One (1) Distributed Antenna System Utility Pole:
Crown Castle Node MBCC09 located at 1 18th St. Miami Beach, FL 33139

Dear Ms. Tackett:

Crown Castle NG East LLC ("Crown Castle") respectfully submits this letter to the City of Miami Beach (the "City") regarding applications seeking Historic Preservation Board (the "Board") review and approval for One (1) Distributed Antenna System ("DAS") utility poles within the City. As part of the application package, the Board requires an explanation whenever a proposed DAS utility pole or node (such poles are referred to in the telecommunications industry as "nodes") cannot be collocated. A "collocated" node would be a node placed on a pole or other infrastructure already existing in the right of way. This letter will explain why the one (1) application package referred to above is for "stand-alone" DAS nodes rather than collocated nodes.

Below is a brief description of the locations where Crown Castle is asking for a stealth node to be placed:

MBCC09 1 18th St. Miami Beach, FL 33139

As you know, Florida Statutes, Section 337.401(3), allows Crown Castle, as a communications services provider, to place its communications facilities within the right of way subject to reasonable and non-discriminatory regulation by the City. Although Crown Castle collocates its DAS facilities whenever possible on poles and other infrastructure already existing in the right of way, in this case Crown Castle engineers examined each potential collocation site and determined that there was not a suitable collocation site which would have provided the wireless coverage for the intended target of each node. In other words, the possible sites upon which Crown Castle might collocate the particular DAS node was too far away, was not in a location which would be able to provide the additional wireless capacity each node was intended to provide, or was not a site for which Crown had rights to attach. Therefore, in each of these instances, Crown Castle is proposing a stand-alone DAS stealth pole. Each particular node location above was determined by Crown Castle engineers to be the preferred location as it provides additional capacity to both the intended target while taking into account aesthetic and traffic safety criteria.

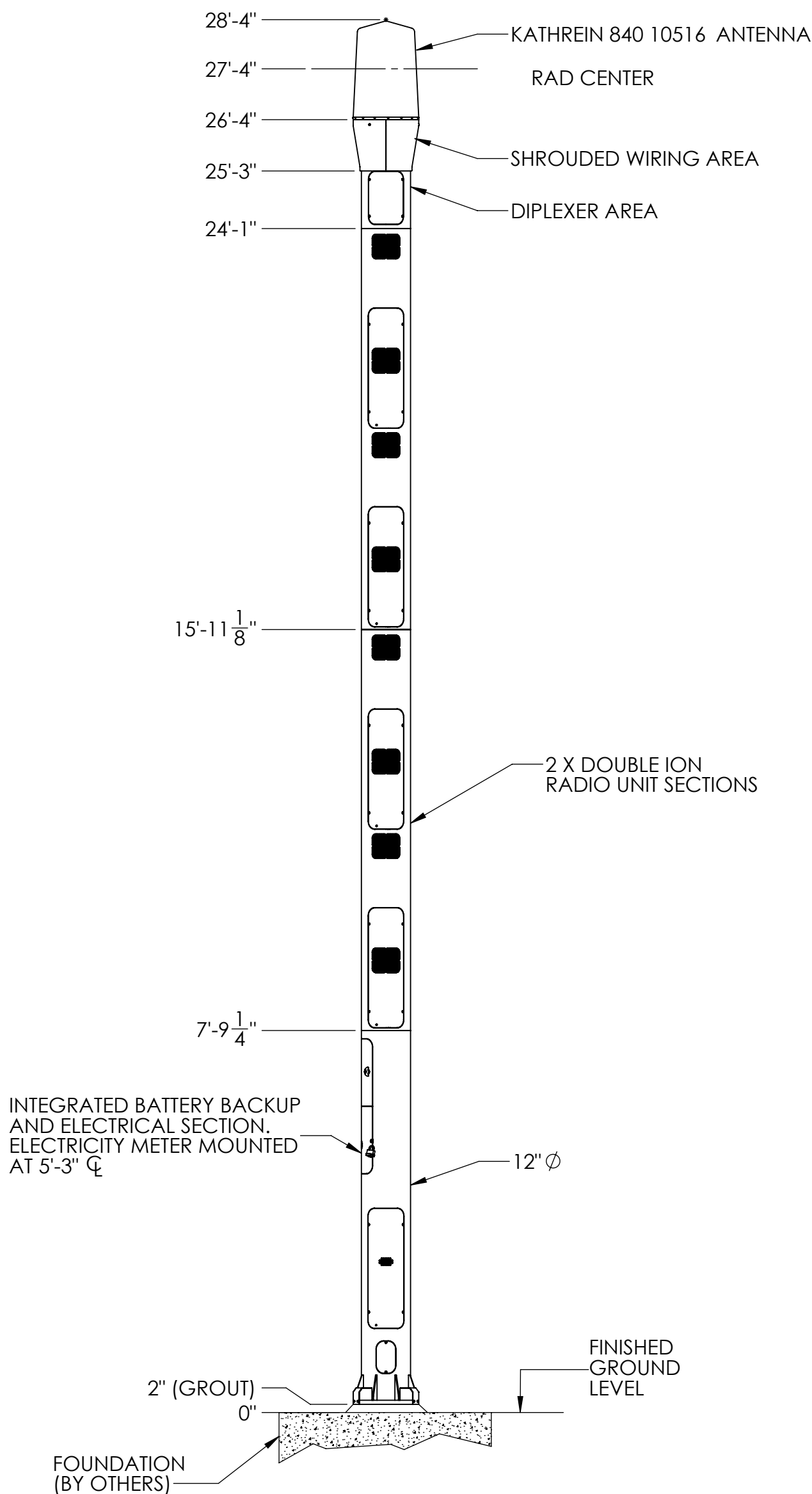
Please do not hesitate to call or contact me with any further questions or to discuss this matter.

Sincerely,


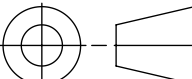
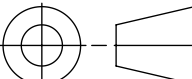
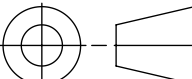
A handwritten signature in blue ink that reads 'Wanda Melton'.

Wanda Melton
Government Relations Manager
Southeast Region

PROPRIETARY



SCALE 1:30

 <p>3265 FILLMORE RIDGE HEIGHTS COLORADO SPRINGS, CO 80907 PHONE :719-599-3400 FAX: 719-599-0057</p>				<table border="1"> <thead> <tr> <th>Rev:</th> <th>Date:</th> <th>Description:</th> <th>By:</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>09/16/13</td> <td>NEW RELEASE</td> <td>OBC</td> </tr> <tr> <td>B</td> <td>10/04/13</td> <td>REVISED DIMENSIONS</td> <td>OBC</td> </tr> <tr> <td>C</td> <td>11/04/13</td> <td>UPDATED WIRING AREA & ION SECTIONS</td> <td>OBC</td> </tr> <tr> <td>D</td> <td>12/06/13</td> <td>UPDATED MODEL & MADE PORTRAIT</td> <td>OBC</td> </tr> <tr> <td>E</td> <td>06/02/14</td> <td>ADDED SHADED VIEW</td> <td>OBC</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Rev:	Date:	Description:	By:	A	09/16/13	NEW RELEASE	OBC	B	10/04/13	REVISED DIMENSIONS	OBC	C	11/04/13	UPDATED WIRING AREA & ION SECTIONS	OBC	D	12/06/13	UPDATED MODEL & MADE PORTRAIT	OBC	E	06/02/14	ADDED SHADED VIEW	OBC																	<table border="1"> <thead> <tr> <th colspan="3">Project:</th> </tr> </thead> <tbody> <tr> <td colspan="3">12" DIAMETER ION UTILITY POLE</td> </tr> <tr> <td colspan="3"> DO NOT SCALE DWG  </td> </tr> <tr> <th colspan="3">DIMENSIONS ARE IN INCHES</th> </tr> <tr> <td> DECIMAL X.XX ± 0.020 X.XXX ± 0.010 </td> <td> ANGLE ±1° </td> <td> FRACTION ±1/16" </td> </tr> </tbody> </table>				Project:			12" DIAMETER ION UTILITY POLE			DO NOT SCALE DWG 			DIMENSIONS ARE IN INCHES			DECIMAL X.XX ± 0.020 X.XXX ± 0.010	ANGLE ±1°	FRACTION ±1/16"	<table border="1"> <thead> <tr> <th colspan="2">Consultant:</th> </tr> </thead> <tbody> <tr> <td colspan="2"> </td> </tr> <tr> <th colspan="2">Sheet Title:</th> </tr> <tr> <td colspan="2">12" DIAMETER ION UTILITY POLE EXTERNAL DIMENSIONS</td> </tr> </tbody> </table>				Consultant:				Sheet Title:		12" DIAMETER ION UTILITY POLE EXTERNAL DIMENSIONS		<table border="1"> <thead> <tr> <th colspan="2">Consultant:</th> </tr> </thead> <tbody> <tr> <td colspan="2"> </td> </tr> <tr> <th colspan="2">Part Number:</th> </tr> <tr> <td colspan="2">001705</td> </tr> </tbody> </table>				Consultant:				Part Number:		001705	
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