REVISIONS			
REV.	DESCRIPTION	BY	DATE
B	MODIFIED ANTENNA USED	MJP	01/17/2018

33'-0.0"

∅14.6 ANTENNA

31'-0.0"
RAD CENTER

CANISTER ANTENNA
(PROVIDED BY OTHERS)
(12X MIDBAND PORTS, 4X 3.5Ghz, 4X 5.8Ghz LAA PORTS)

CABLE CONCEALMENT

27'-9.0"

ACTIVE RAN EQUIPMENT
2X NOKIA AIRSCALE MICRO RRU OR
4X ERC RRU 2203/2205

25'-0"

22'-6.0"

8' 0"

LUMINAIRE
GE EVOLVE LED STREETLIGHT

20'-0.0"

LUMINAIRE ARM
CUSTOMER SPECIFIED

LUMINAIRE MOUNTING

14'-9.0"

ACTIVE RAN EQUIPMENT
2X NOKIA AIRSCALE MICRO RRU
2X COMMSCOPE CBC-1923T-4310 AWS-PCS DIPLEXER

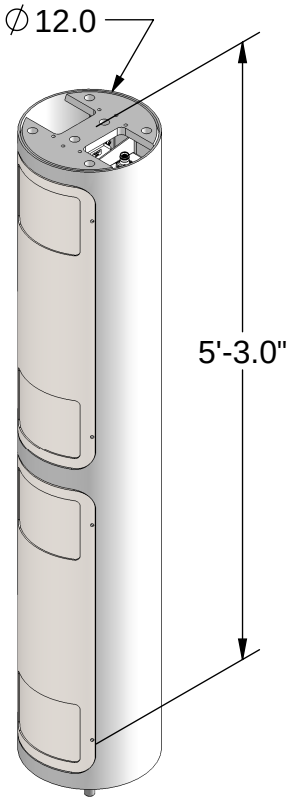
9'-6.0"

ACTIVE RAN EQUIPMENT
4X ERC RRU 2203
2X COMMSCOPE CBC-1923T-4310 AWS-PCS DIPLEXER

POWER SECTION
AC LOAD CENTER
POWER METER
OPTIONAL AC-DC RECTIFIER
NOKIA SAR-O UNIT

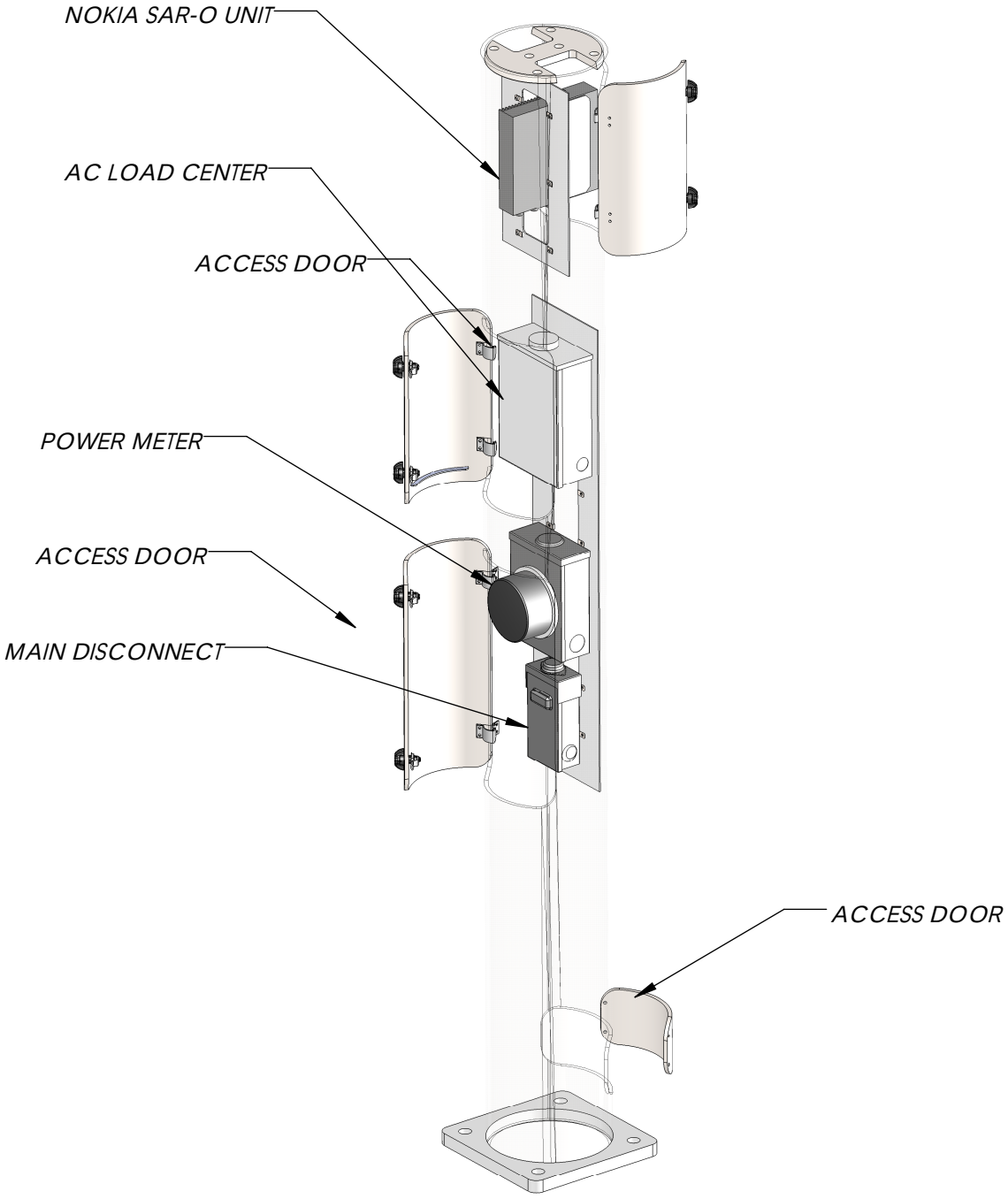
∅12

.0



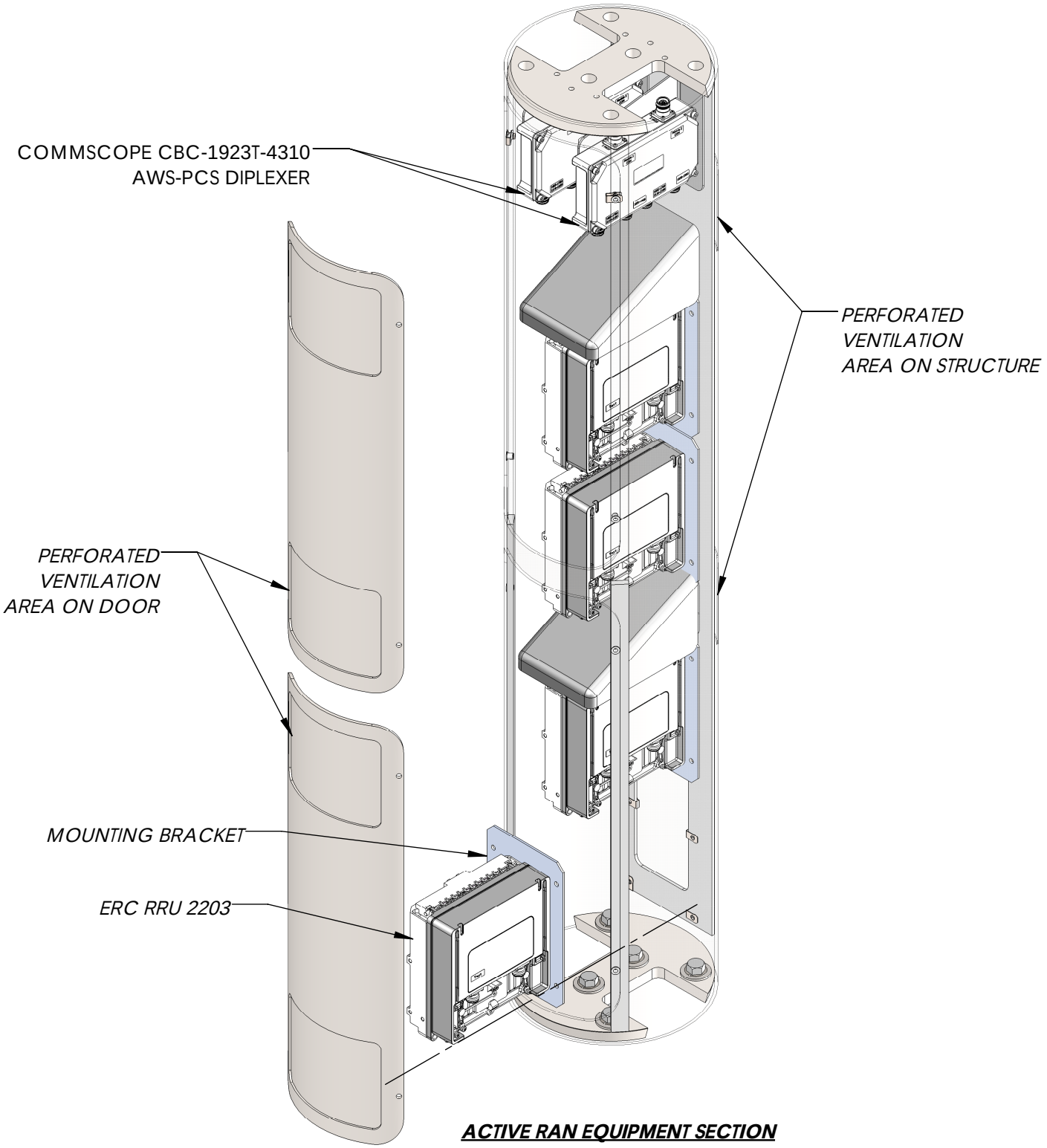
ACTIVE EQUIPMENT SECTION

Qdaoaş`n]sıjcoş]j`şola_ebe_]pekjoş]naşpdaşlnklneap]nuşlnklanpu şkbş@kıiP_klaşfj_+ş]j`şı]uş^aşqoa`şkjhuşbknşpdaşola_ebe_şlqnlkoaş]qpdkneva`şıjşsnepejcş^uş@kıiP_klaşfj_+	JGM	. şkbş2	**SSC-760238641N933**
>IIşAFJBKPFLKPş>OBşFKşFK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2		KQP	METRO CELL, INT POLE SOLN, PICO, CC 33FT - AMP
ALşKLQşP@>IBşQEFPşMOFKQ	B		COMMSCOPE®



POWER SECTION

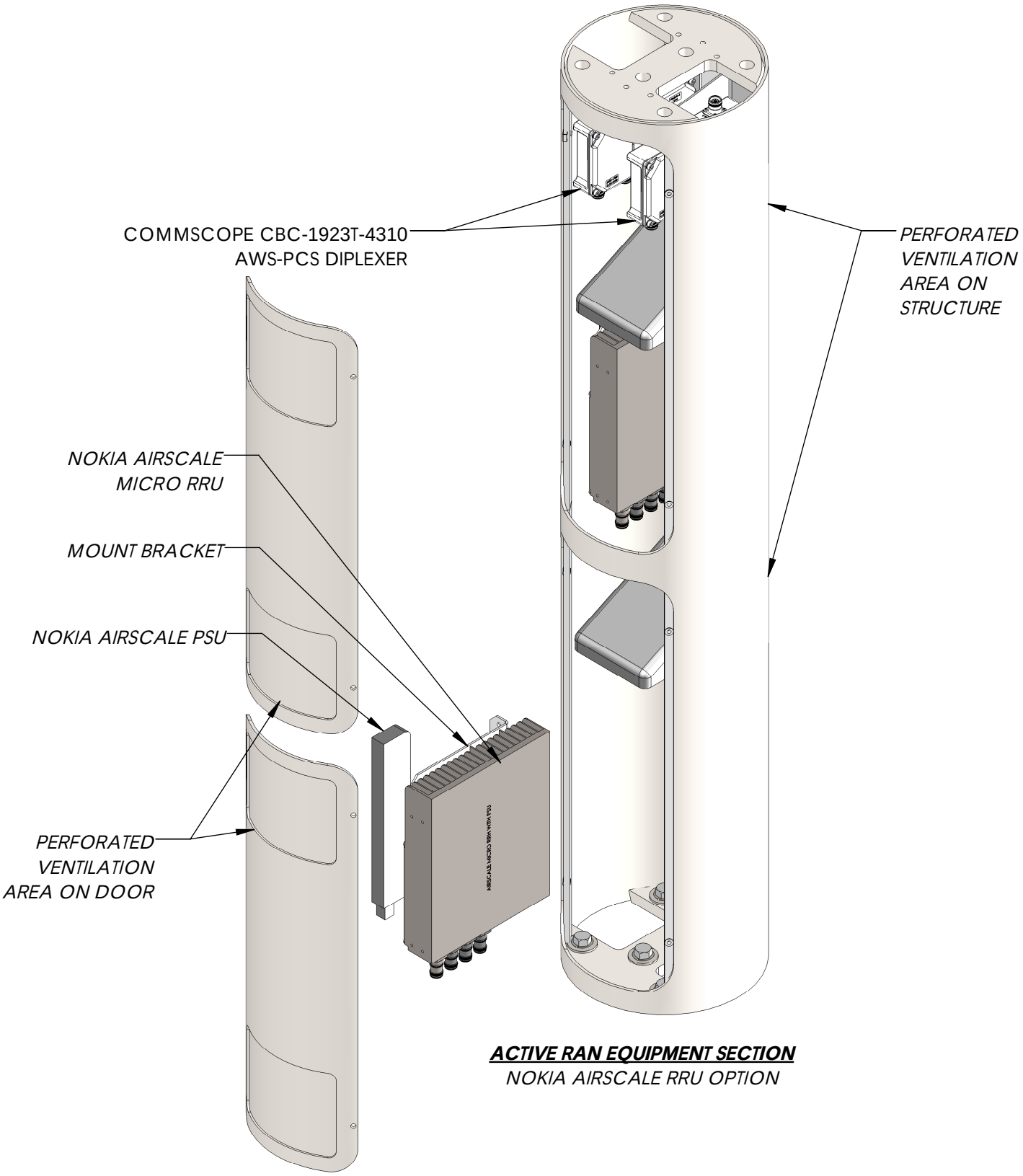
Qdaoaş`n]sıjcoş]j`şola_ebe_]pækjoş]naşpdaşlnklnıeap]nuşlnklanpu şkbş@kıiP_klaşfj_+ş]j`şı]uş^aşqoa`şkjhuşbknşpdaşola_ebe_şlqnlkoaş]qpdknıeva`şıjşsnıpejcş^uş@kıiP_klaşfj_+	AO>TKş?V? JGM	PEBBQ? /şkbş3	M>OQşKRJ?BO? **SSC-760239359N936**
>IIşAFJBKPFLKPş>OBşFKşFK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2	@EB@HBAş?V?	P@>IB? KQP	ABP@OIMQ'LK? METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
ALşKLQşP@>IBşQEFPşMOFKQ	A>QB?	J>QBOI>I?	AO>TFKDşQVMB?
	OBSFPFLK7 A	C'KIPE?	COMMSCOPE®
		TBIDEQ * *	



ACTIVE RAN EQUIPMENT SECTION

ERC RRU 2203 OPTION

Qdaoaş`n]sıjcoş]j]`şola_ebe_]pekjoş]naşpdaşlnklneap]nuşlnklanpu şkbş@kıiP_klaşfj_+ş]j`şı]uş^aşqoa`şkjhuşbknşpdaşola_ebe_şlqnlkoaş]qpdkneva`şıjşsnepejcş^uş@kıiP_klaşfj_+	AO>TKş?V? JGM	PEBBQ? 0şkbş3	M>OQşKRJ?BOT **SSC-760239359N936**
>IIşAFJBKPFLKPş>OBşFKşK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2	@EB@HBAş?V?	P@>IBT KQP	ABP@OIMQ'LK7 METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
ALşKLQşP@>IBşQEFPşMOFKQ	A>QBT	J>QBOI>I7	AO>TIKDşQVMB?
	OBSFPFLK7 A	C'KIPE?	COMMSCOPE®
		TBIDEQ * *	

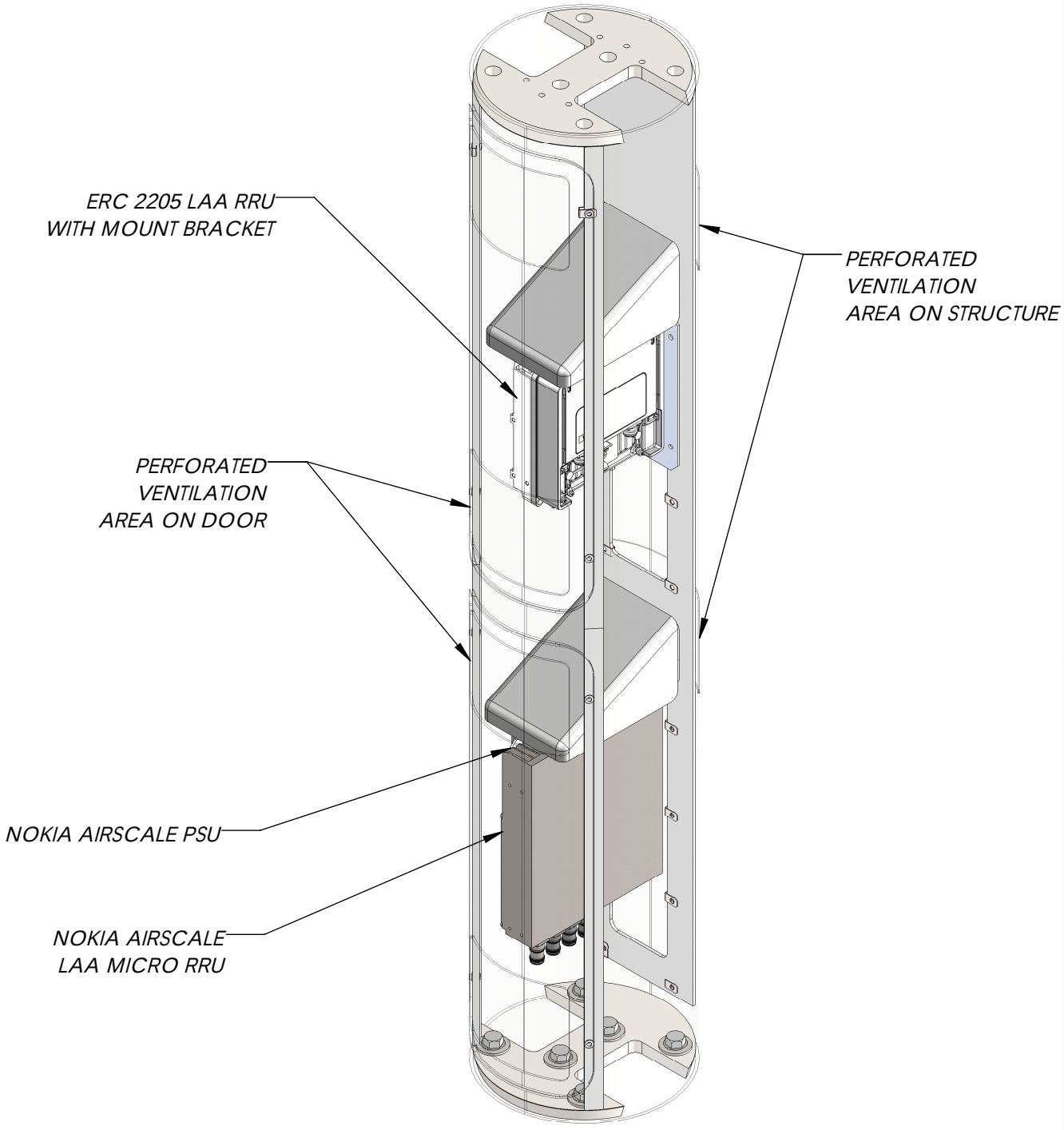


ACTIVE RAN EQUIPMENT SECTION

NOKIA AIRSCALE RRU OPTION

Qdaoaş`n]sıjcoş]j`şola_ebe_]pekjoş]naşpdaşlnklneap]nuşlnklanpu şkbş@kıiP_klaşfj_+ş]j`şı]uş^aşqoa`şkjhuşbknşpdaşola_ebe_şlqnlkoaş]qpdkneva`şıjşsnepejcş^uş@kıiP_klaşfj_+	AO>TKş?V? JGM	PEBBQ? 1şkbş3	M>OQşKRJ?BOT **SSC-760239359N936**
>IIşAFJBKPFLKPş>OBşFKşFK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2	@EB@HBAş?V?	P@>IB? KQP	ABP@OIMQ?LK? METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
ALşKLQşP@>IBşQEFPşMOFKQ	A>QB?	J>QBOI>I?	AO>TKDşQVMB?
	OBSFPFLK7 A	O'KIPE?	TBIDEQ * *

COMMSCOPE®

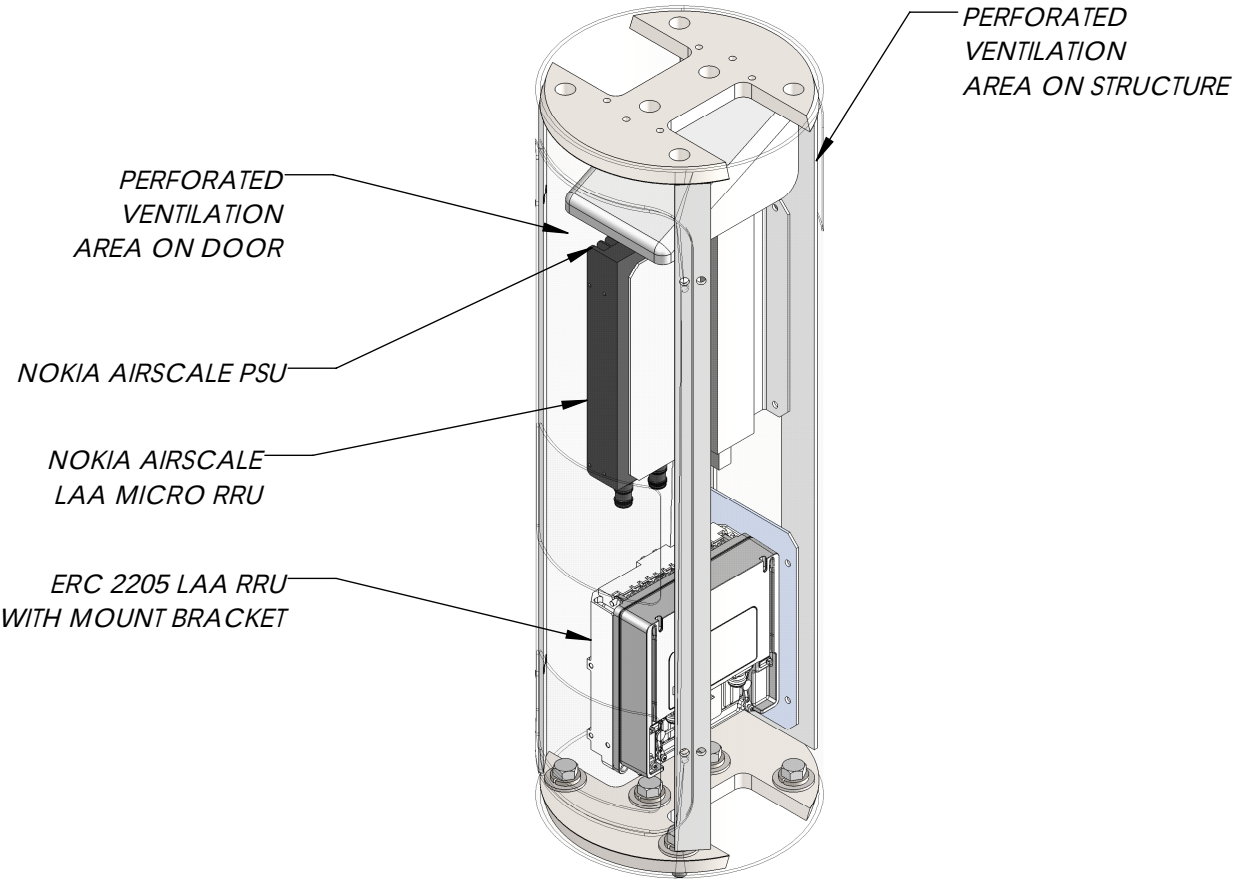


ACTIVE RAN EQUIPMENT SECTION

LLA OPTION

Qdaoaş`n]sıjcoş]j`şola_ebe_]pekjoş]naşpdaşlnklneap]nuşlnklanpu şkbş@ki iP_klaşfj_+ş]j`şi]uş^aşqoa`şkjhuşbknşpdaşola_ebe_ş lqnlkoaş]qpdkneva`şıjşsnepejcş^uş@ki iP_klaşfj_+	AO>TKş?V? JGM	PEBBQ? 2şkbş3	M>OQşKRJ?BOT **SSC-760239359N936**
>IIşAFJBKPFLKPş>OBşFKşFK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2	@EB@HBAş?V?	P@>IB? KQP	ABP@OIMQ?LK? METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
	A>QB?	J>QBOI>I?	AO>TKDşQVMB?
ALşKLQşP@>IBşQEFPşMOFKQ	OBSFPFLK7 A	C'KIPE?	TBIDEQ * *

COMMSCOPE®



ACTIVE RAN EQUIPMENT SECTION

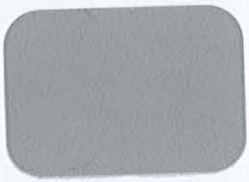
SHORT SECTION

Qdaoaş`n]sıjcoş]j`şola_ebe_]pekjoş]naşpdaşlnklneap]nuşlnklanpu şkbş@ki iP_klaşfj_+ş]j~şi]uş^aşqoa`şkjhuşbknşpdaşola_ebe_ş lqnlkoaş]qpdkneva`şıjşsnepejcş^uş@ki iP_klaşfj_+	AO>TKş?V? JGM	PEBBQ? 3şkbş3	M>OQşKRJ?BOT **SSC-760239359N936**
>IIşAFJBKPFLKPş>OBşFKşFK@EBPşR+L+P+ QLIBO>K@BPşRKIBPPşLQEBOTFPBşPMB@FCFBA7 +Uşş:ş¦ +./ >KDIBPş ¦/¥ +UUş:ş¦ +-3 CO>@QFLKPş ¦.,0/ +UUU:ş¦ +-0. OBJLSBş?ROOPş>KAş?OB>HşBADBPş+--2	@EB@HBAş?V?	P@>IBT KQP	ABP@OIMQ?LK7 METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
ALşKLQşP@>IBşQEFPşMOFKQ	A>QBT	J>QBOI>IT	AO>TIKDşQVMB?
	OBSFPFLK7 B	C'KIPE?	COMMSCOPE®
		TBIDEQ * *	

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

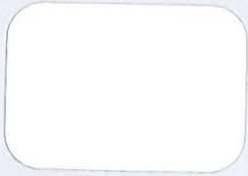
T064-GR05
Silver Hammertone Semi-Gloss

T064-BL95
Blue Hammertone Semi-Gloss

T064-GN81
Green Hammertone Semi-Gloss

C013-GR08
Gray Hammer Semi-Gloss

T013-BG38
Beige Hammer Semi-Gloss



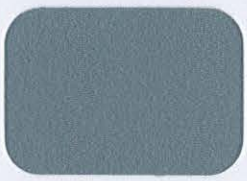
T012-WH260
White Hammer Semi-Gloss

T013-WH09
White Hammer Semi-Gloss

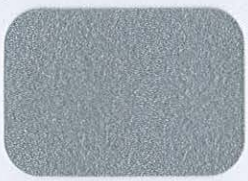
T025-BR01
Bronze Pearlescent 50% Gloss

T028-GR02
Steel Gray Pearlescent 80% Gloss

T353-YL02
Brass 30% Gloss*



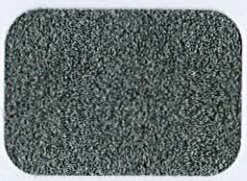
T357-GR105
Silver Metallic 70% Gloss*



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

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

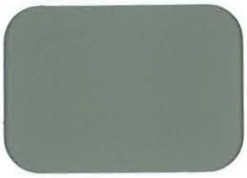
T032-BR62
Brown Fine Texture Semi-Gloss

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

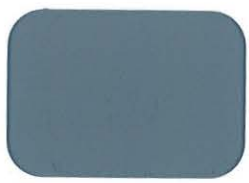
T009-WH11
White 90% Gloss

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**

NEW **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.

GE (General Electric) LED Cobra Head Lights (spec's)

Ordering Number Logic

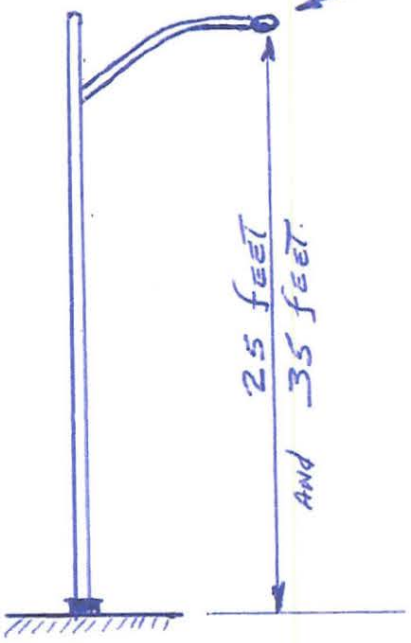
Scalable Specification Grade Cobrahead (ERS2)

ERS2 ____ _ __ __ _ __ _ ____ __

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
E = Evolve R = Roadway S = Scalable 2 = Double Module Optical Assembly	0 = 120-277 1 = 120 2 = 208 3 = 240 4 = 277 H = 347-480 D = 347 5 = 480	Product Tier *3 = Specification Grade See Charts for all levels	A1 = Extra Narrow Asymmetric B1 = Narrow Asymmetric (Medium) C1 = Asymmetric (Short) D1 = Asymmetric Forward E1 = Asymmetric (Medium)	5 = 525mA 7 = 700mA 1 = 1050mA	40 = 4000K 50 = 5000K* NOTE: For 1050mA drive current, nominal color temperature (CCT) = 5300K	1 = None 2 = PE Rec 4 = PE Rec with Shorting Cap 5 = PE Rec with Control 7 = GE Dimming 5-Pin PE Receptacle *† 9 = GE Dimming 5-Pin PE Receptacle with Shorting Cap *† † When ordering PE function socket 7 or 9, a dimming driver add after dimming driver (D=Dimming) must also be ordered under the "OPTIONS" column * Order dimming control PE as a separate item NOTE: As ANSIC136.41 7-Pin dimming receptacle, contact manufacturer	BLCK = Black GRAY = Gray	B = Internal Bubble level D = Dimming* F = Fusing G = External Bubble Level L = Tool-Less Entry R = Additional Secondary Surge Protection Device T = GE Energy Extreme Surge Protection per IEEE/ANSI C62.41.2-2002. - Rating 1 - 10kV/5kA Location Category (120 events). - Rating 2 - 6kV/3kA Location Category C-Low (5000 events). XXX = Special Options * When ordering Dimming PE Receptacle 7, 9 or A, D=Dimming driver must be selected under "OPTIONS" column NOTE: If no dimming receptacle under PE Function is selected and D=Dimming is selected under OPTIONS, 0-10v dimming leads will be provided with access through slipfitter opening in unit

525 mA														
PRODUCT ID	OPTICAL CODE	PHOTO-METRIC TYPE	DRIVE CURRENT	TYPICAL SYSTEM WATTAGE 120-277V	TYPICAL INITIAL LUMENS 4000K	5000K	B RATING	U RATING	G RATING	TYPICAL INITIAL LPW 4000K	5000K	IES FILE NUMBERS 4000K	5000K
ERS2	D3	A1	525mA	88	8000	8000	2	0	2	91	91	456404	456429
ERS2	E3		525mA	99	9100	9100	3	0	2	92	92	456405	456430
ERS2	F3		525mA	112	10300	10300	3	0	2	92	92	456406	456431
ERS2	G3		525mA	125	11500	11500	3	0	2	92	92	456407	456432
ERS2	H3		525mA	138	12700	12700	3	0	3	92	92	456408	456433
ERS2	D3	B1	525mA	88	8200	8200	2	0	1	93	93	456409	456434
ERS2	E3		525mA	99	9300	9300	2	0	1	94	94	456410	456435
ERS2	F3		525mA	112	10600	10600	3	0	2	95	95	456411	456436
ERS2	G3		525mA	125	11800	11800	3	0	2	94	94	456412	456437
ERS2	H3		525mA	138	13000	13000	3	0	2	94	94	456413	456438
ERS2	D3	C1	525mA	88	8200	8200	2	0	1	93	93	456414	456439
ERS2	E3		525mA	99	9300	9300	3	0	1	94	94	456415	456440
ERS2	F3		525mA	112	10600	10600	3	0	1	95	95	456416	456441
ERS2	G3		525mA	125	11800	11800	3	0	2	94	94	456417	456442
ERS2	H3		525mA	138	13000	13000	3	0	2	94	94	456418	456443
ERS2	D3	D1	525mA	88	8000	8000	2	0	1	91	91	456419	456444
ERS2	E3		525mA	99	9100	9100	2	0	2	92	92	456420	456445
ERS2	F3		525mA	112	10300	10300	2	0	2	92	92	456421	456446
ERS2	G3		525mA	125	11500	11500	2	0	2	92	92	456422	456447
ERS2	H3		525mA	138	12700	12700	3	0	2	92	92	456423	456448
ERS2	D3	E1	525mA	88	8200	8200	2	0	3	93	93	456424	456449
ERS2	E3		525mA	99	9300	9300	2	0	3	94	94	456425	456450
ERS2	F3		525mA	112	10600	10600	3	0	2	95	95	456426	456451
ERS2	G3		525mA	125	11800	11800	3	0	2	94	94	456427	456452
ERS2	H3		525mA	138	13000	13000	3	0	2	94	94	456428	456453

Cobra Head Light Fixture



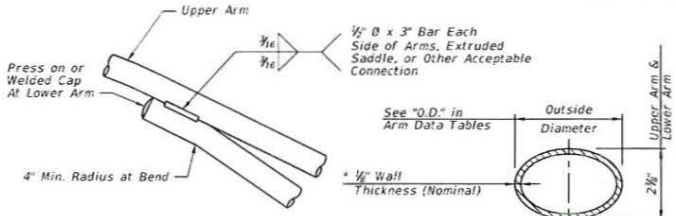
NOTES:

- Max Operating Ambient 50° C
- 347-480V Not Available
- For T Option Availability Contact Manufacturer

Lumen Maintenance

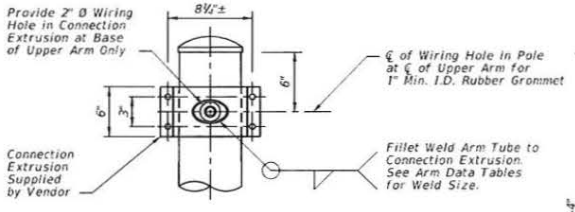
- Projected L92 (10K) ≥ 50,000 at Ta 25C
- Projected L70 (10K) > 100,000 at Ta 25C

Based on 10,000h LM-80 data for Nichia 219B SQETMLH17005

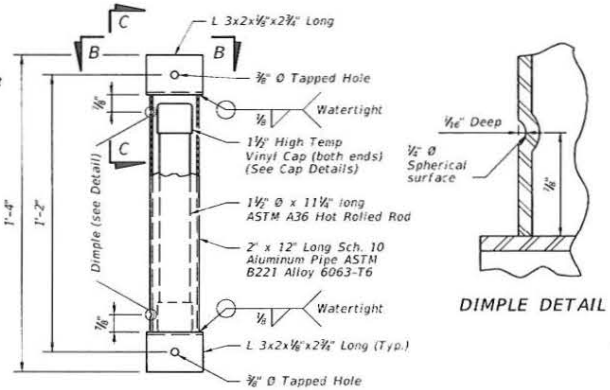


ARM CONNECTION DETAIL

ARM SECTION

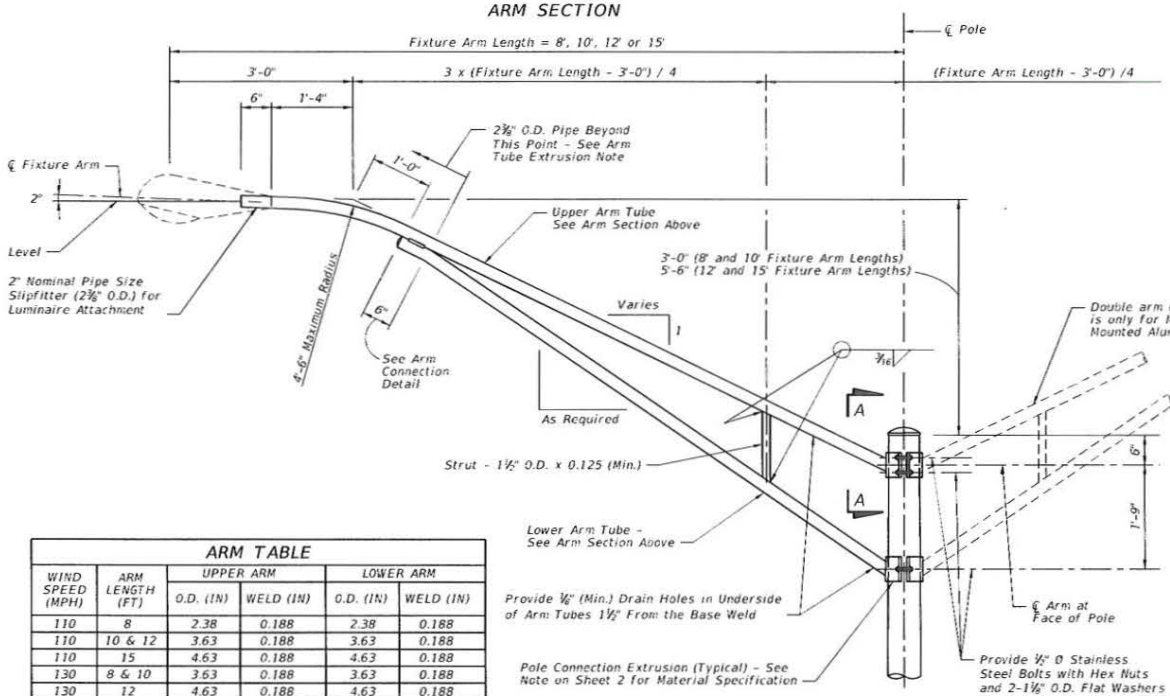


SECTION A-A
(Connection At Lower Arm Similar)

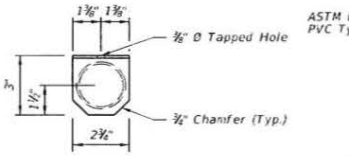


VIBRATION DAMPER ELEVATION

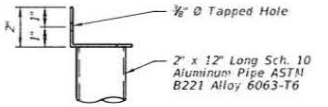
DIMPLE DETAIL



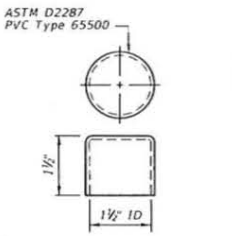
ARM ELEVATION



VIEW B-B



VIEW C-C



HIGH TEMP VINYL CAP DETAIL

ARM TABLE					
WIND SPEED (MPH)	ARM LENGTH (FT)	UPPER ARM		LOWER ARM	
		O.D. (IN)	WELD (IN)	O.D. (IN)	WELD (IN)
110	8	2.38	0.188	2.38	0.188
110	10 & 12	3.63	0.188	3.63	0.188
110	15	4.63	0.188	4.63	0.188
130	8 & 10	3.63	0.188	3.63	0.188
130	12	4.63	0.188	4.63	0.188
130	15	4.63	0.25	4.63	0.25
150	8	3.63	0.188	3.63	0.188
150	10	3.63	0.250	3.63	0.250
150	12	4.63	0.250	4.63	0.250
150	15	4.63	0.313	4.63	0.313

* Increase Member Wall Thickness as Necessary to Meet Minimum Requirements of the Welding Code for the Connection Weld Sizes Shown in the Arm and Pole Tables.

ARM TUBE EXTRUSIONS NOTES:

At the pole connections, provide arm tube extrusions with dimensions as shown in the ARM SECTION and as tabulated in the ARM DATA Tables. Uniformly transition elliptical section to a cylindrical section at the arm connection.

The fabricator may substitute elliptical cross sections other than those tabulated, provided the section properties about the vertical axis and the area of the section equal or exceed that of the required section, and provide minimum wall thickness of ⅛" nominal and within the Aluminum Association Tolerances.

The outside diameter about the minor axis should be held at 2⅜" at the upper and lower arms.

ARM & DAMPER DETAILS

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