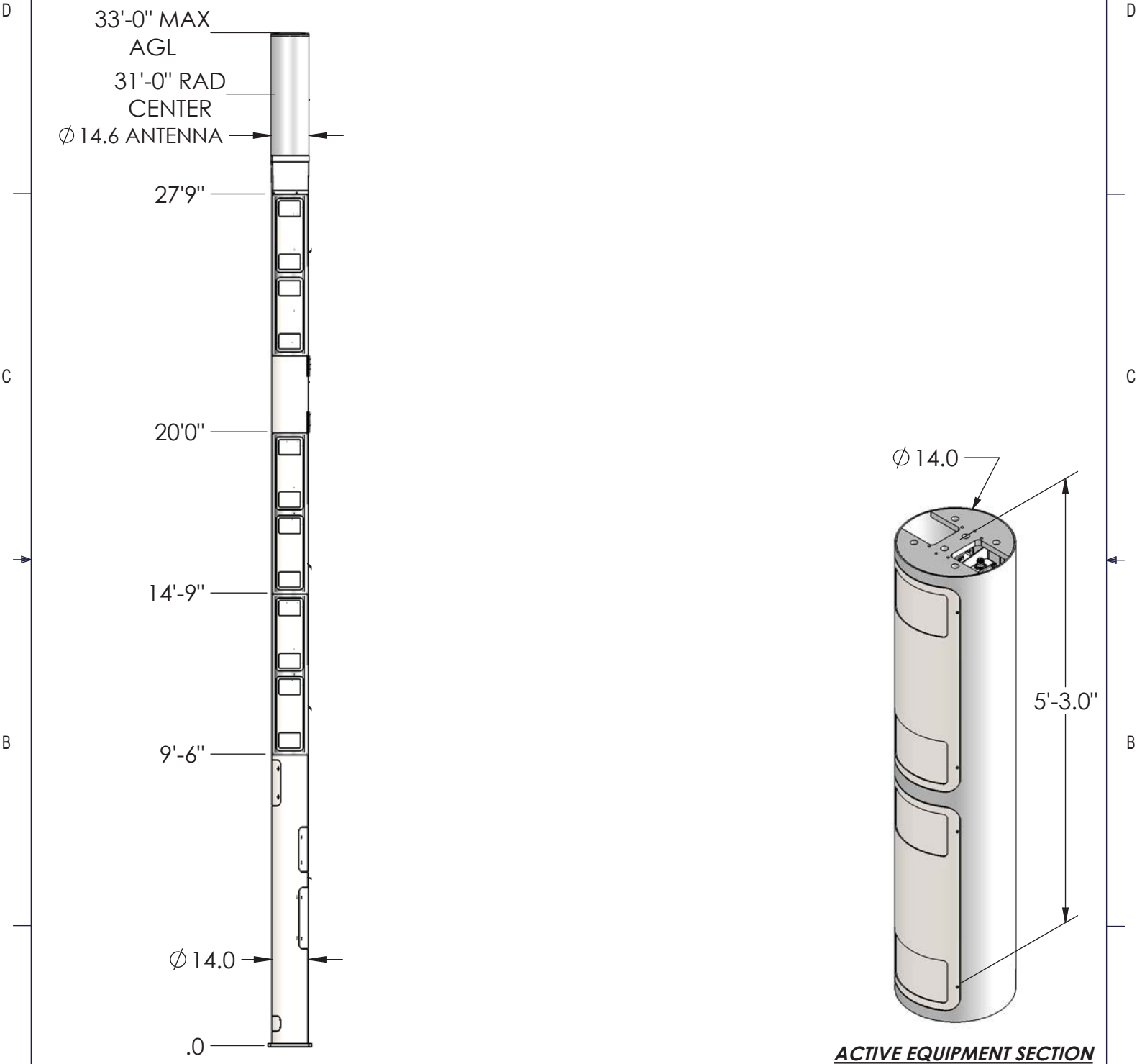
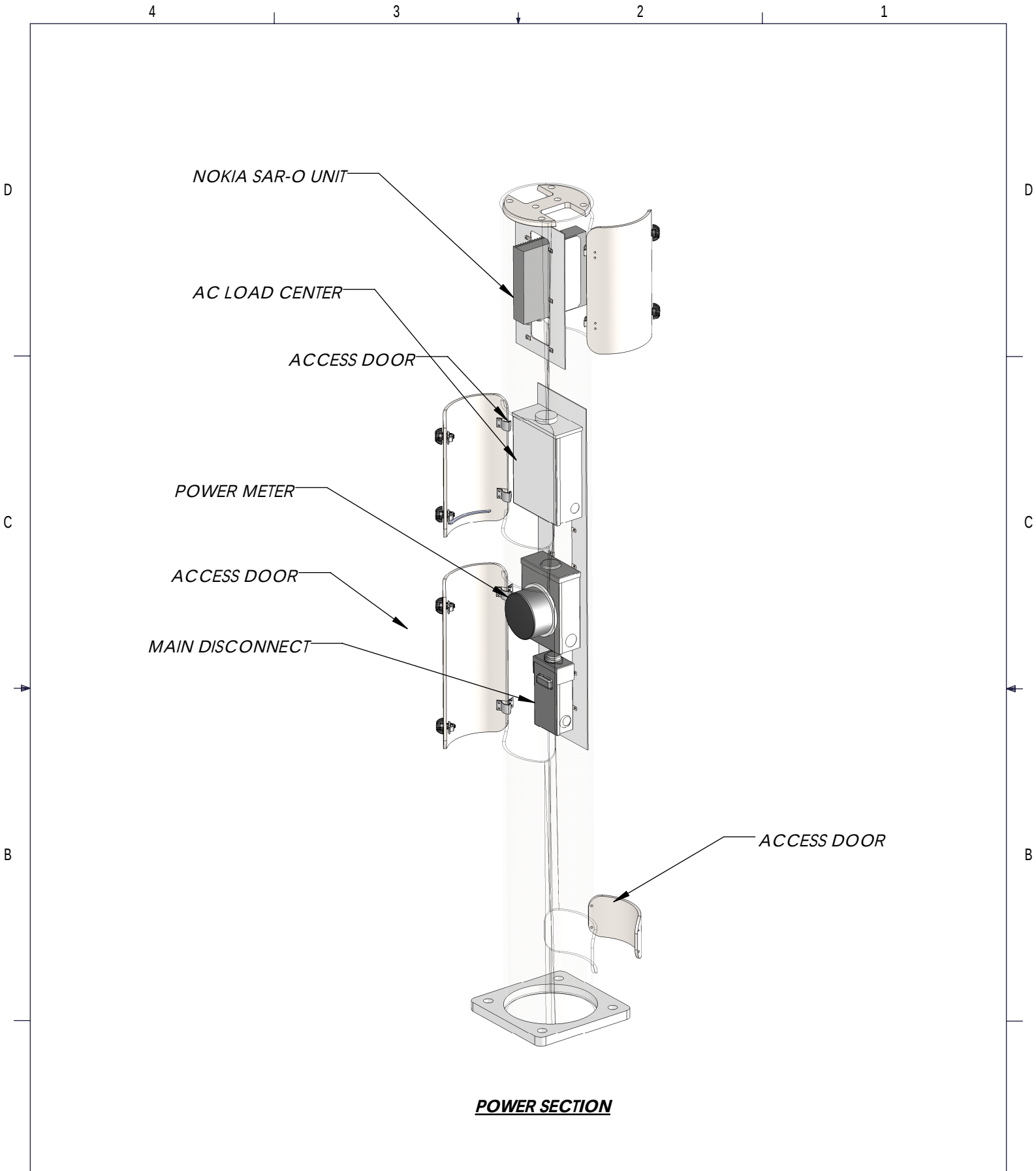


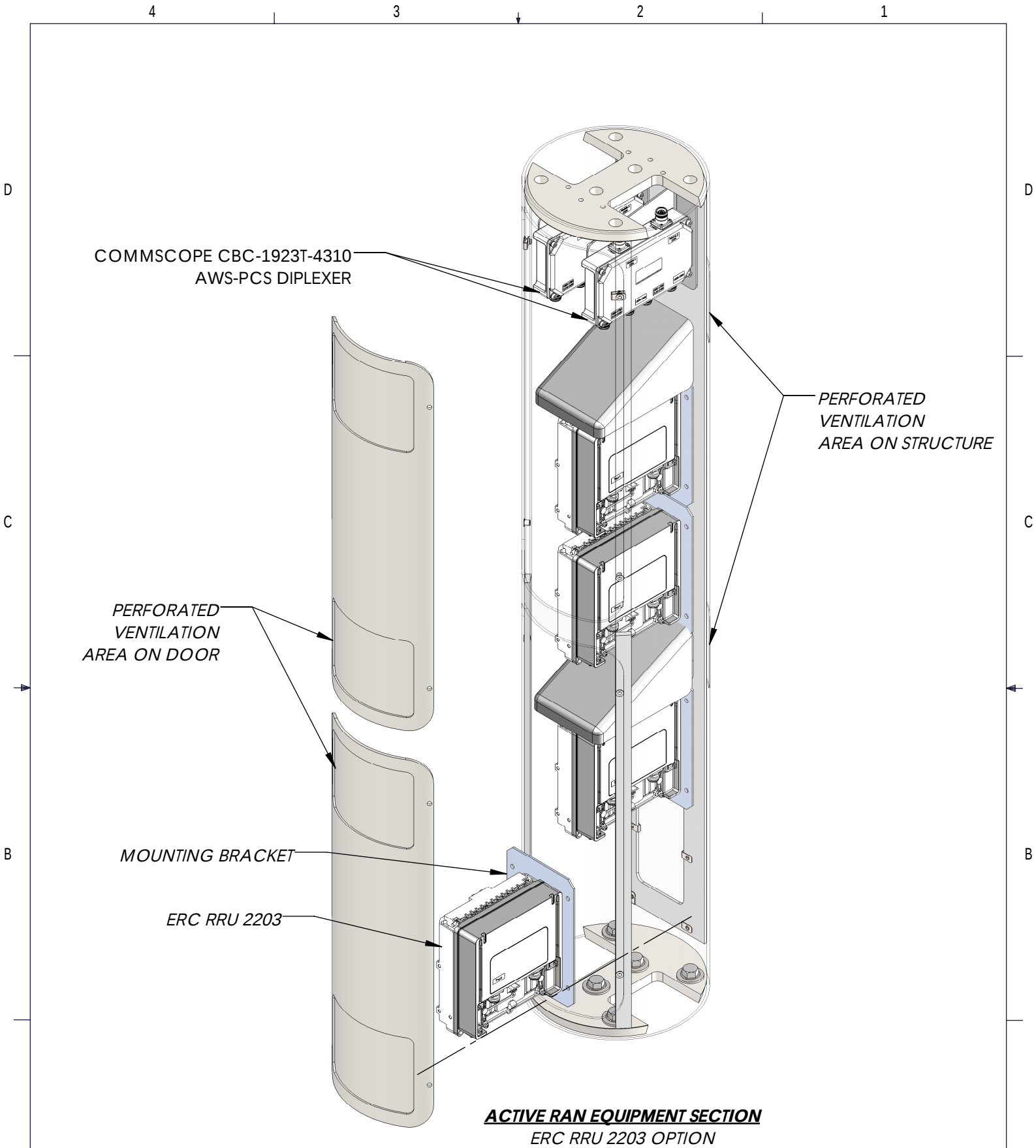
REVISIONS			
REV.	DESCRIPTION	BY	DATE
A	MODIFIED ANTENNA USED	MJP	07/11/2018



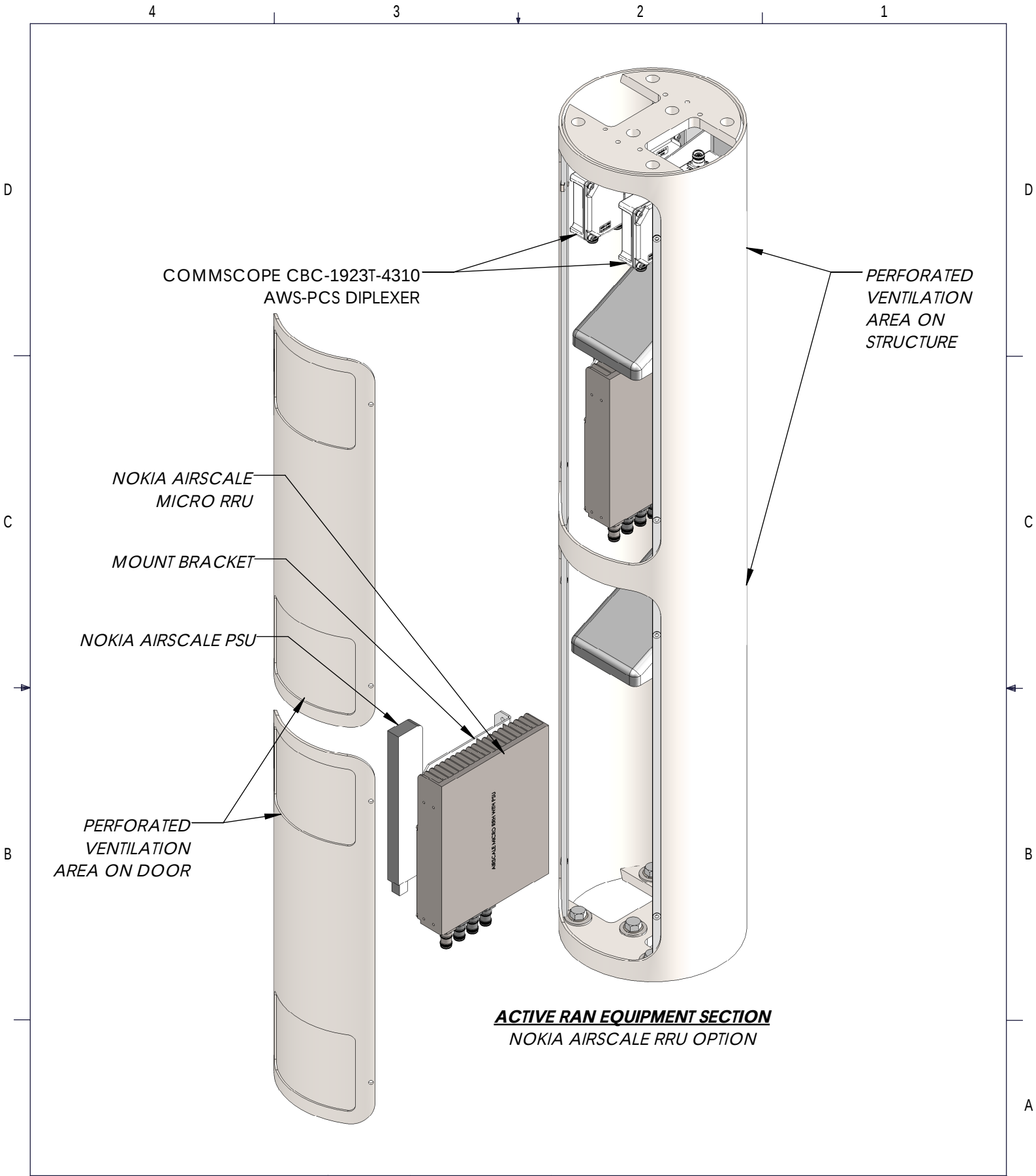
DO NOT SCALE THIS PRINT	DRAWN BY:	SHEET:	PART NUMBER:
	CHECKED BY:	SCALE:	DESCRIPTION:
	DATE:	MATERIAL:	DRAWING TYPE:
	REVISION:	FINISH:	
		WEIGHT	



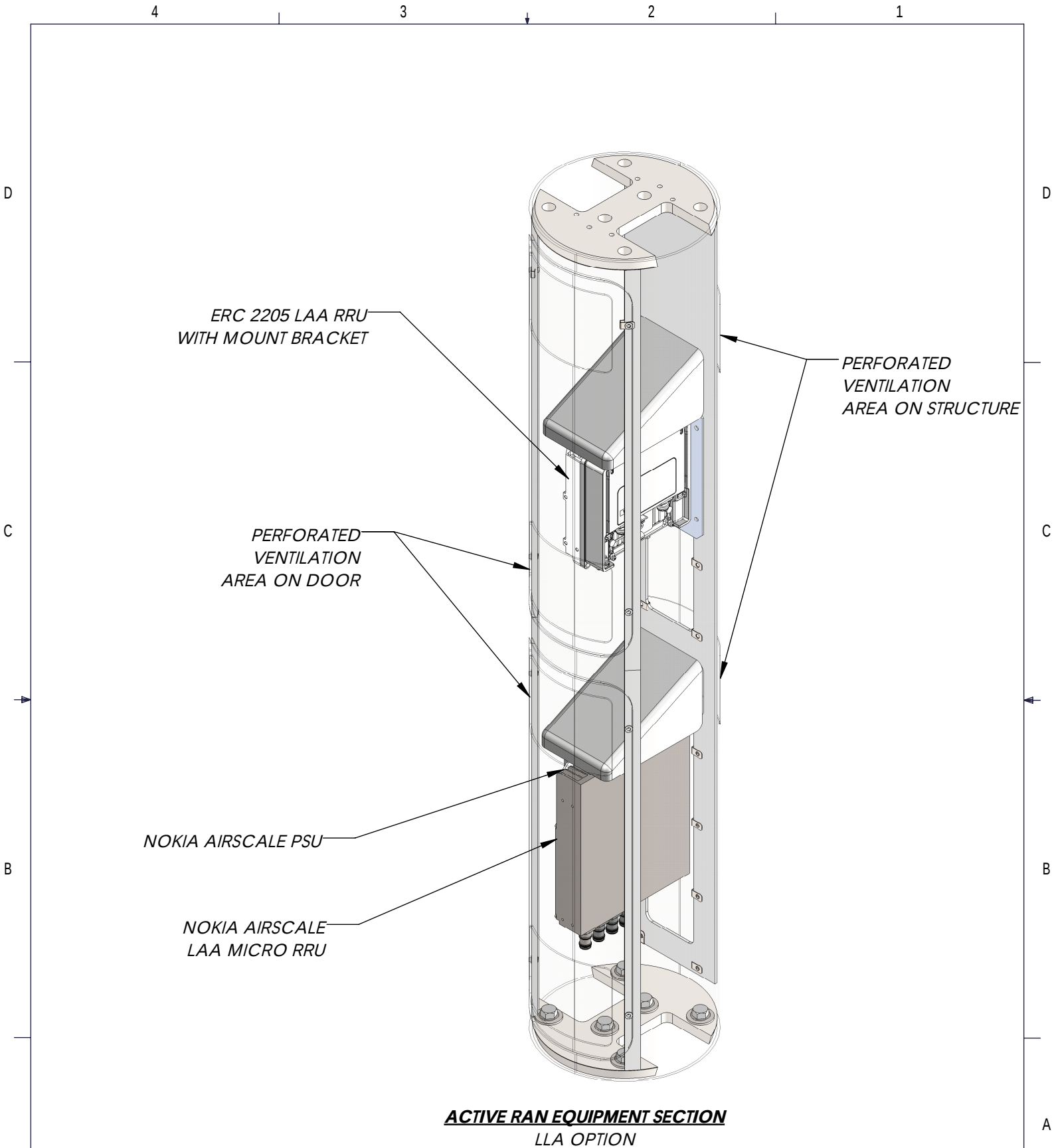
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>I IŠAfJBKPF LKPS>OBŠKŠfK@EBPŠR+L+P+ QLIBO>K@BPŠRKIBPPŠLQEBOTfPBŠPMB@fCBA7 +UŠŠ : ŠŠ +. / >KDIBPŠ Š / +UUŠ : ŠŠ +-3 CO>@QLKPS Š . , 0 / +UUU : ŠŠ +-0.	QEBfHBAŠ7V7 A>QBf	Pf>IBf KQP J>QBO>f	ABPQOMQLK7 METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP AD>TKDŠQfMBf
OBJLSBŠ?ROOPŠ>KAŠ?OB>HŠBADBPŠ+-2 ALŠKLQŠP@>IBŠQEFŠŠMOFKQ	OBSfPFLK7 A	OKfPEf TBQEQ * *	COMMScope®



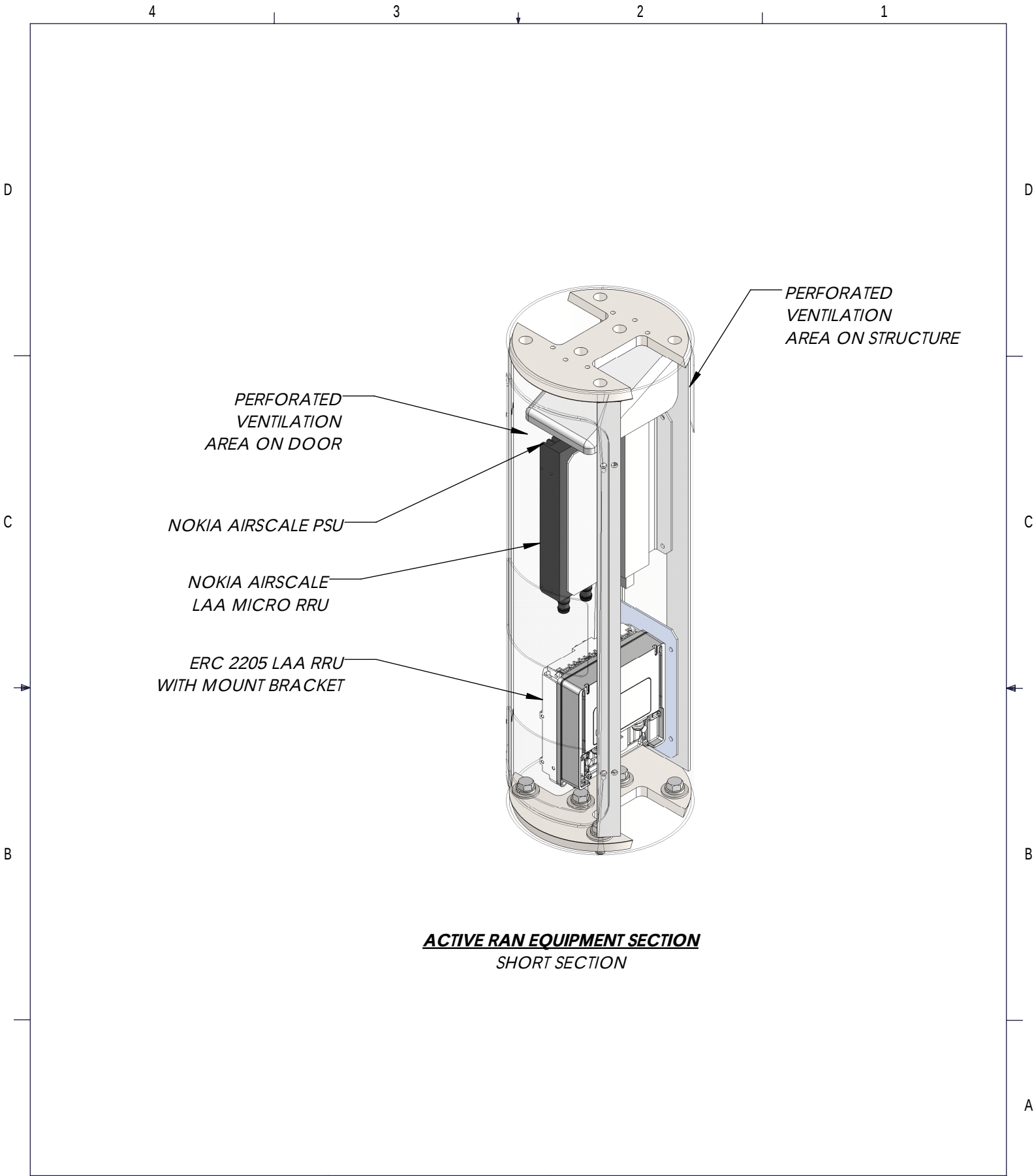
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QLIBO>K@BPŠRK i BPPŠLQEBOTFPBŠPMB@fCBA7	QEBQHBAS7V7 KQP	PŠ> iB7 KQP	ABPŠQMLK7 METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
> i i AfJBKPF LKPŠ>OBŠKŠfK@EBPŠR+L+P+ +UŠŠ: ŠŠ +./ >KDIBPŠ Š / i +UUŠ: ŠŠ ++3 CO>@QFLKPŠ Š . , 0/ +UUU: ŠŠ ++0.	A>QŠ7 A	J>QBO> i7 OŠKPE7	AD>TKDŠQMB7
OBJLSBŠ?ROOPŠ>KAŠ?OB>HŠBADBPŠ+- -2 ALŠKLQŠP@>IBŠQEFPŠMOfKQ	OBSFPFLK7 A	TBQEQ * *	COMMScope®



Qdaoaš`n]sejcoš]]`šola_de_]pekjoš]našpdašlnklnep]nušlnklnepu škbš@k i i P_klašfj_+š]]`š i ]uš`ašqoa`škjnušbknšpdašola_de_š lqnlkoaš]qpdkneva`šej šsnepejcs`uš@k i i P_klašfj_+	AD>TKŠ7V7 JGM	PEBBQ 1škbšš3	M>QŠKJR J7BQ7 SSC-760239359N936
>I IŠAfJBKPF LKPŠ>OBŠKŠfK@EBPŠR+L+P+ QLIBO>K@BPŠRKIBPPŠLQEBOTfPBŠPMB@fCBA7	@EBfHBAŠ7V7 KQP	PfB>fB7 KQP	ABPŠOMQLK7 METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
+UŠŠ: ŠŠ +./ >KDIBPŠ Š /f +UUŠ: ŠŠ +-3 CO>@Qf LKPŠ Š ., 0/ +UUU: ŠŠ +-0.	A>QB7 OBSfPFLK7	J>QBQ>f7 OKfPE7	AD>TKDŠQfMB7
OBJLSBŠ?ROOPŠ>KAŠ?OB>HŠBADBPŠ+-2	A	TBQEQ * *	COMMScope®
ALŠKLQŠP@>IBŠQEFPŠMOFKQ			



A	Qdaoaš`n]sejcoš]]`sola_dē_]pekjoš]našpdašlnklnap]nušlnklnapu škbš@k i i P_klašfj_+š]]`š i ]uš`ašqoa`škj]ušbknšpdašola_dē_š lqnlkoaš]qpdkneva šej šsnapejcs`uš@k i i P_klašfj_+			AD>TKŠ7V7	PEBBQ	M>QŠKJR J7BQ7
	JGM			2 škbš3		SSC-760239359N936
	QEBQHBAS7V7			PŠ>IB7	KQP	
	A>QB7			J>QBQ>17	AD>TKDŠQ7MB7	
	OBS7P7LK7			OK7PE7	COMMScope®	
A			TBDQ7	**		
>11šAfJBKPF7LKPS>OBS7KŠ7K@EBPŠR+L7P+ QLIBO>K@BPŠRK7IBPPŠ7LQEBOT7PBPŠPMB@7CBA7 +UŠŠ: ŠŠ +. / >KDIBPŠ Š /7 +UUŠ: ŠŠ +-3 CO>@Q7LKPS Š . , 0 / +UUU: ŠŠ +-0. OBJLSBŠ7ROOPŠ>KAŠ7OB>HŠBADBPŠ+-2 AL ŠKLQŠP@>IBŠQE7PŠŠMO7KQ			3	4	2	1



ACTIVE RAN EQUIPMENT SECTION
SHORT SECTION

A	Qdaoaš`n]sejcoš]]`šola_dē_]pekjoš]našpdašlnklnep]nušlnklnpu škbš@ki i P_klašfj_+š]]`š`i]uš`ašqoa`š`kjnušbknšpdašola_dē_š lqnlkoaš]qpdkneva`šej`šsnepejcs`uš@ki i P_klašfj_+`	AD>TKŠ7V7 JGM	PEBQ 3škbš3	M>QŠKJR J7BQ7	SSC-760239359N936
	>I IŠAfJBKPF LKPS>OBŠKŠfK@EBPŠR+L+P+ QLIBO>K@BPŠRK I BPPŠLQEBOTfPBŠPMB@fCBA7	QEBfHBAŠ7V7	PfB>I87 KQP	ABPfiOMQLK7	METRO CELL, INT POLE SOLN, PICO, CC, LAA 36FT - AMP
	+UŠŠ: ŠŠ +. / >KDIBPŠ Š / I +UUŠ: ŠŠ +-3 CO>@QFLKPŠ Š . , 0 / +UUU: ŠŠ +-0.	A>Q87	J>Q8D>I7	AD>TKDŠQfMB7	
	OBJLSBŠ?ROOPŠ>KAŠ?OB>HŠBADBPŠ+-2	OBSfPFLK7 B	OKfPE7 TBQ8Q * *		COMMScope®
	AL ŠKLQŠP@>IBŠQEFŠMOfKQ				



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



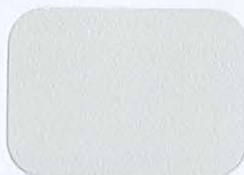
T241-GR11

Platinum Gray Fine Texture Semi-Gloss



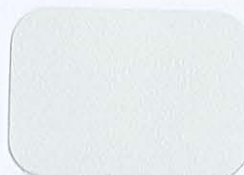
T031-WH06

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



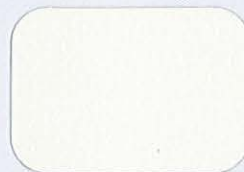
T064-GN81

Green Hammertone Semi-Gloss



C013-GR08

Gray Hammer Semi-Gloss



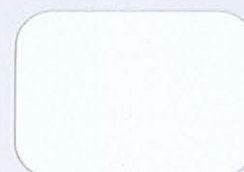
T013-BG38

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*



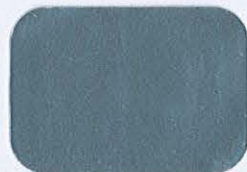
T357-GR105

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



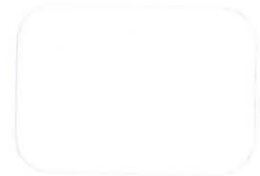
P008-GR21
RAL 7042 Gray 80% Gloss



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



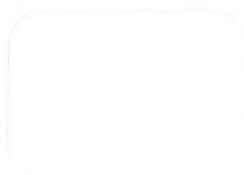
T009-BG01
Almond 90% Gloss



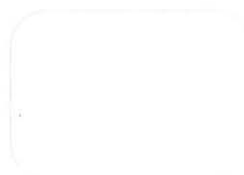
H308-WH25
White 80% Gloss**



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.

GE (General Electric)

Ordering Number Logic

Scalable Specification Grade Cobrahead (ERS2)

LED Cobra
Head
Lights

(SPEC'S)



ERS2

PROD. ID	VOLTAGE	OPTICAL CODE	PHOTOMETRIC TYPE	DRIVE CURRENT	LED COLOR TEMP	PE FUNCTION	COLOR	OPTIONS
E = Evolve	0 = 120-277	Product Tier	A1 = Extra Narrow Asymmetric	5 = 525mA	40 = 4000K	1 = None	BLCK = Black	B = Internal Bubble level
R = Roadway	1 = 120	*3 = Specification Grade	B1 = Narrow Asymmetric (Medium)	7 = 700mA	50 = 5000K	2 = PE Rec	GRAY = Gray	D = Dimming
S = Scalable	2 = 208	See Charts for all levels	C1 = Asymmetric (Short)	1 = 1050mA	NOTE: For 1050mA drive current, nominal color temperature (CCT) = 5300K	4 = PE Rec with Shorting Cap		F = Fusing
	3 = 240		D1 = Asymmetric Forward			5 = PE Rec with Control		G = External Bubble Level
	4 = 277		E1 = Asymmetric Medium			7 = GE Dimming 5-Pin PE Receptacle *†		L = Tool-Less Entry
2 = Double Module Optical Assembly	H = 347-480					9 = GE Dimming 5-Pin PE Receptacle with Shorting Cap *†		R = Additional Secondary Surge Protection Device
	D = 347							T = GE Energy Extreme Surge Protection per IEEE/ANSI C62.41.2-2002
	S = 480							- 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, 2=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 side/after opening in unit

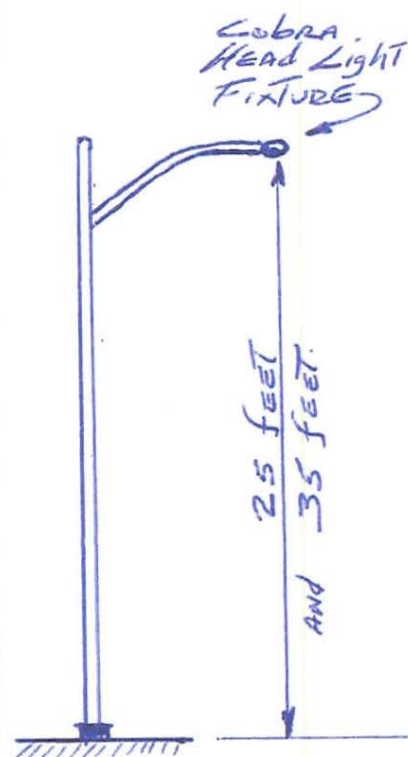
525 mA		TYPICAL SYSTEM RATING		TYPICAL INITIAL LUMENS		TYPICAL INITIAL LPM		JES FILE NUMBERS	
PRODUCT ID	OPTICAL CODE	PHOTO-METRIC TYPE	DRIVE CURRENT	120-277V	4000K	5000K	B RATING	U RATING	G RATING
ERS2	D3	A1	525mA	88	8000	8000	2	0	2
ERS2	E3		525mA	99	9100	9100	3	0	2
ERS2	F3		525mA	112	10300	10300	3	0	2
ERS2	G3		525mA	125	11500	11500	3	0	2
ERS2	H3		525mA	138	12700	12700	3	0	3
ERS2	D3	B1	525mA	88	8200	8200	2	0	1
ERS2	E3		525mA	99	9300	9300	2	0	1
ERS2	F3		525mA	112	10600	10600	3	0	2
ERS2	G3		525mA	125	11800	11800	3	0	2
ERS2	H3		525mA	138	13000	13000	3	0	2
ERS2	D3	C1	525mA	88	8200	8200	2	0	1
ERS2	E3		525mA	99	9300	9300	3	0	1
ERS2	F3		525mA	112	10600	10600	3	0	1
ERS2	G3		525mA	125	11800	11800	3	0	2
ERS2	H3		525mA	138	13000	13000	3	0	2
ERS2	D3	D1	525mA	88	8000	8000	2	0	1
ERS2	E3		525mA	99	9100	9100	2	0	2
ERS2	F3		525mA	112	10300	10300	2	0	2
ERS2	G3		525mA	125	11500	11500	2	0	2
ERS2	H3		525mA	138	12700	12700	3	0	2
ERS2	D3	E1	525mA	88	8200	8200	2	0	3
ERS2	E3		525mA	99	9300	9300	2	0	3
ERS2	F3		525mA	112	10600	10600	3	0	3
ERS2	G3		525mA	125	11800	11800	3	0	3
ERS2	H3		525mA	138	13000	13000	3	0	3

NOTES:

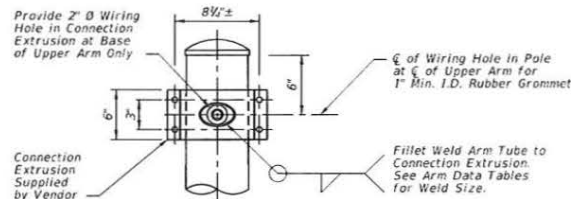
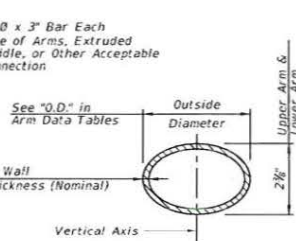
- Max Operating Ambient 50° C
- 347-480V Not Available
- For T Option Availability Contact Manufacturer

Lumen Maintenance

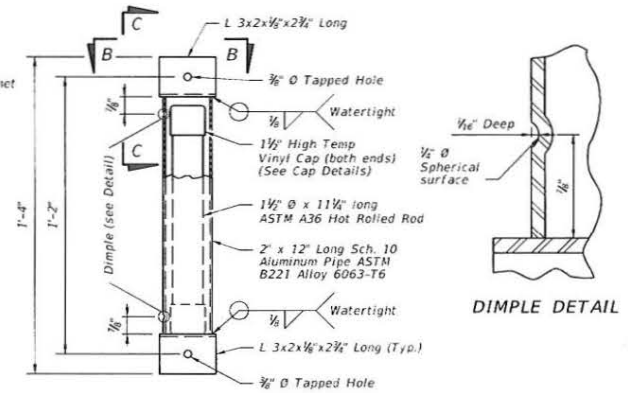
- Projected L92 (10K) ≥ 50,000 at Ta 25C
 - Projected L70 (10K) > 100,000 at Ta 25C
- Based on 10,000h LM-80 data for Nichia 219B SQTMLH17005



ARM CONNECTION DETAIL

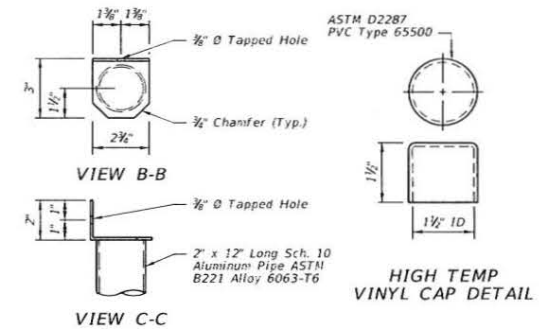


SECTION A-A
(Connection At Lower Arm Similar)

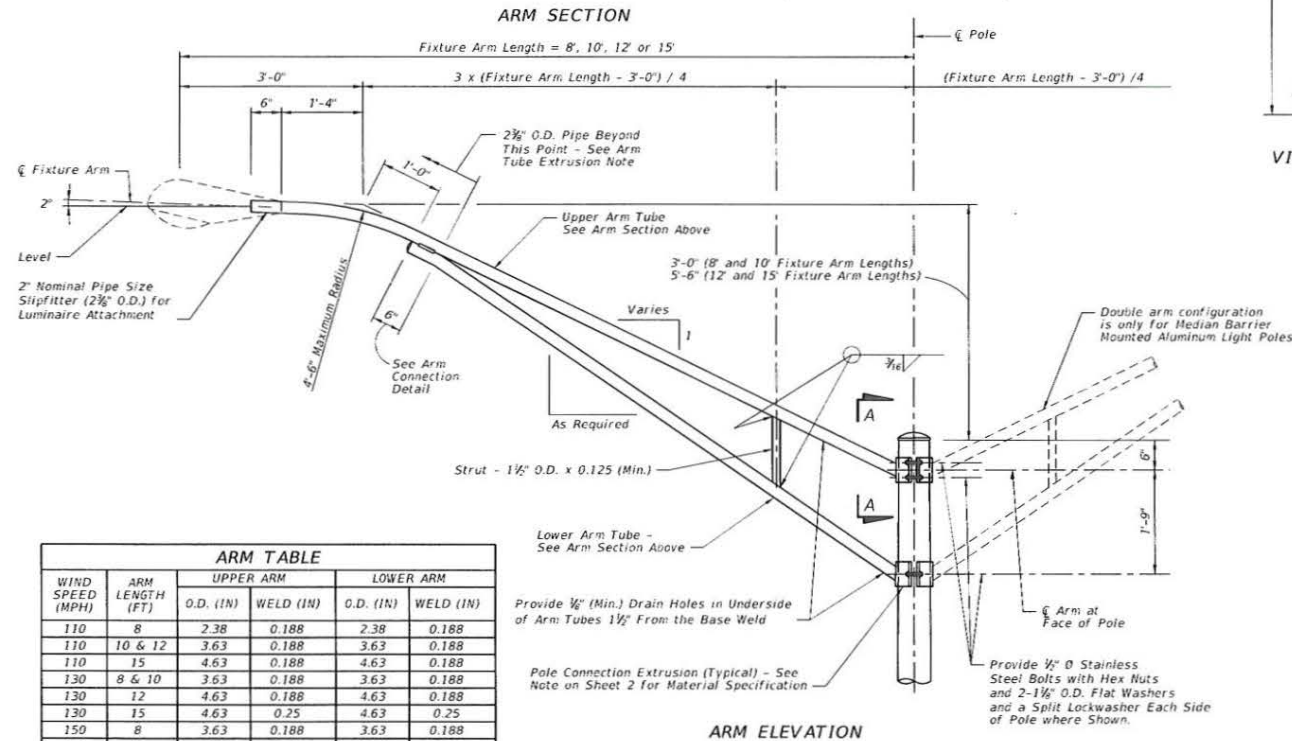


DIMPLE DETAIL

VIBRATION DAMPER ELEVATION



HIGH TEMP VINYL CAP DETAIL



ARM ELEVATION

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 $\frac{1}{8}$ " nominal and within the Aluminum Association Tolerances.

The outside diameter about the minor axis should be held at $2\frac{3}{8}$ " at the upper and lower arms.