

## **Appendix B: Illustrative Examples of Small Facility Designs**

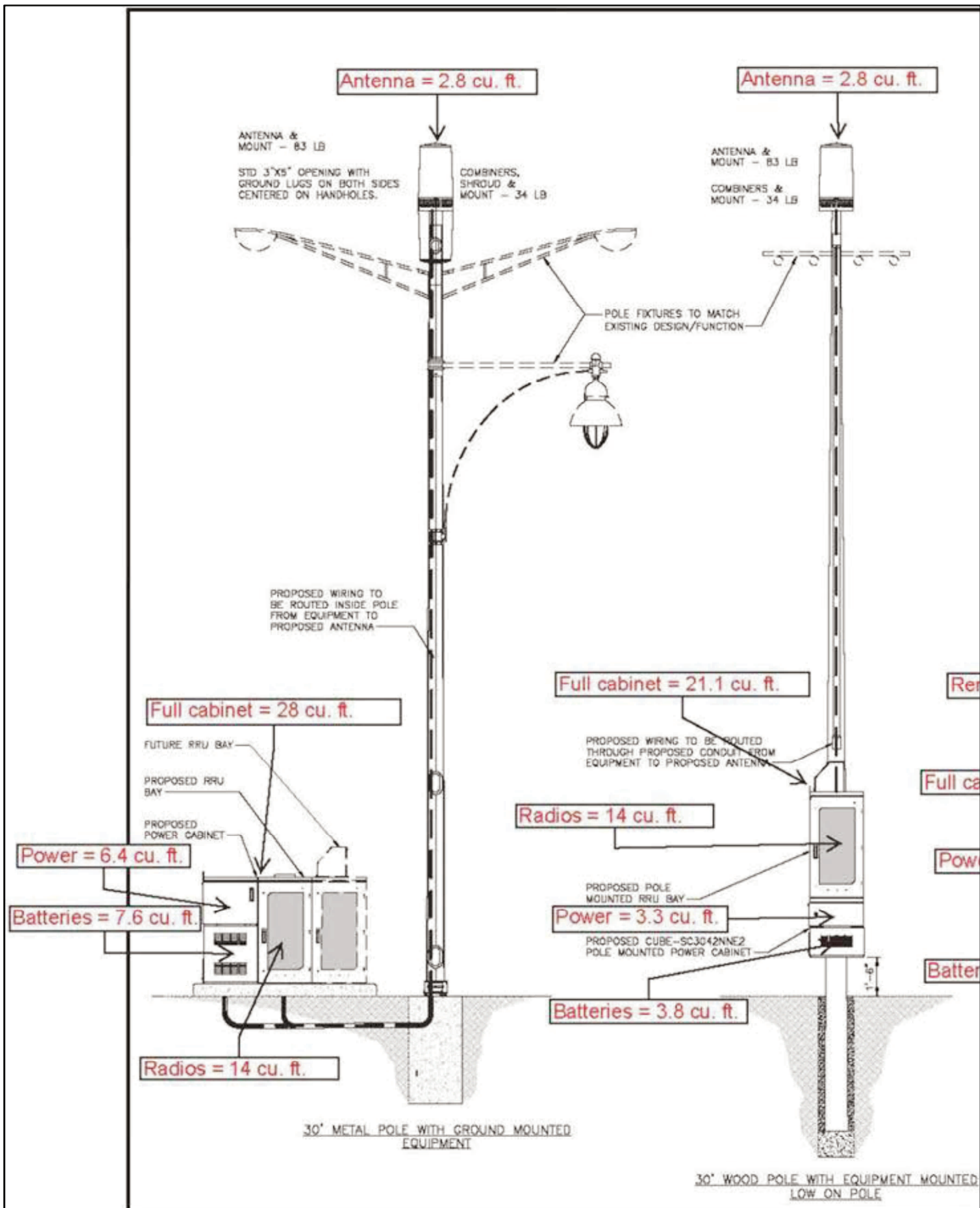


Figure B1. Small Cell pole options prepared for Verizon Wireless by SSC<sup>1</sup>

<sup>1</sup> Comments of PCIA - Attachment, WT Docket No. 15-180, filed September 28, 2015, at 13. Antenna volume in both options shown is 2.8 cubic feet; the total volume of the associated equipment on these poles, from left to right, is approximately 28 cubic feet, and 21 cubic feet, respectively.

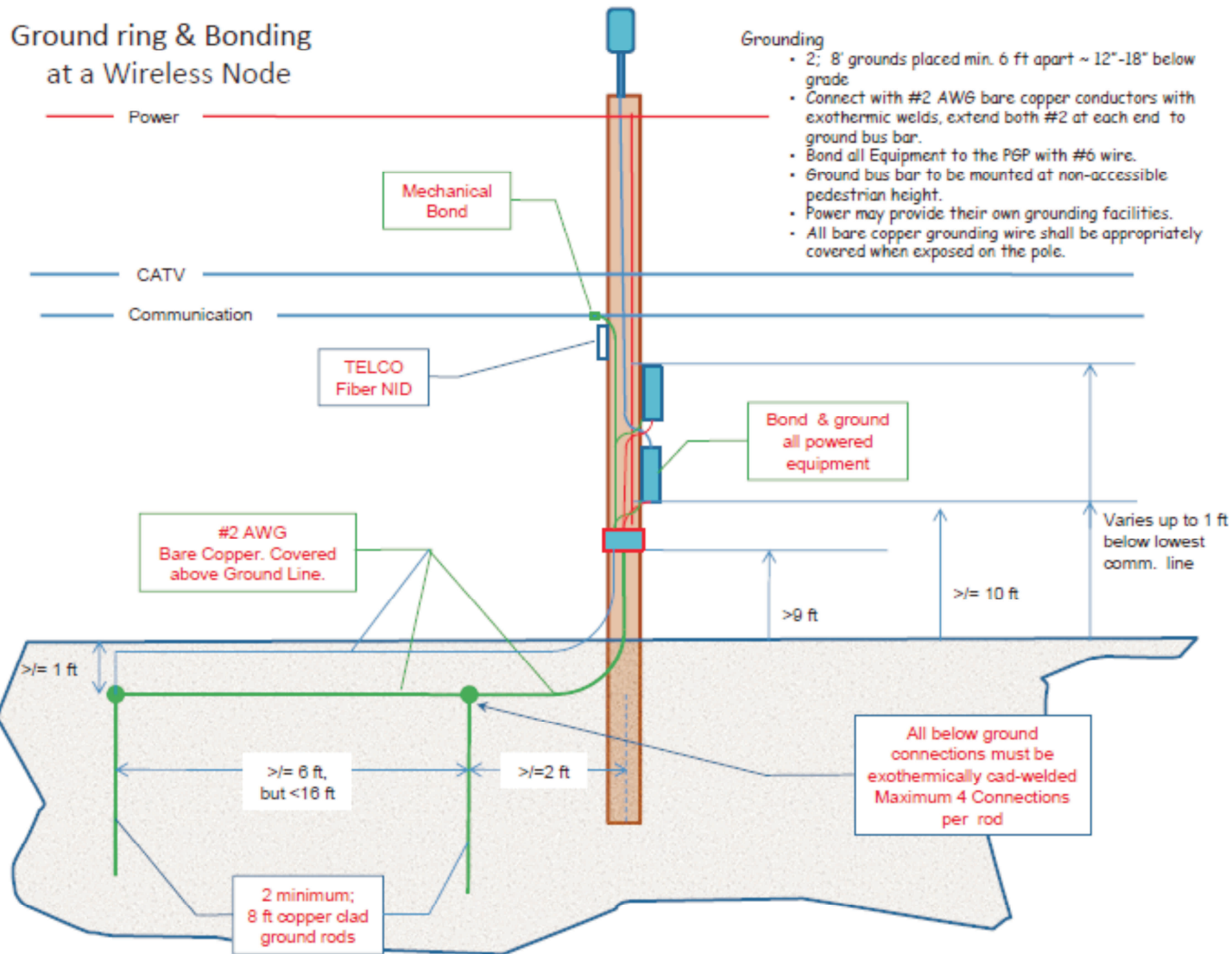


Figure B2. Example of grounding at a small AT&T facility deployment.<sup>2</sup>

<sup>2</sup> AT&T Letter to Marlene H. Dortch, Secretary, FCC, WT Docket No. 15-180, at 9 (filed January 13, 2016).

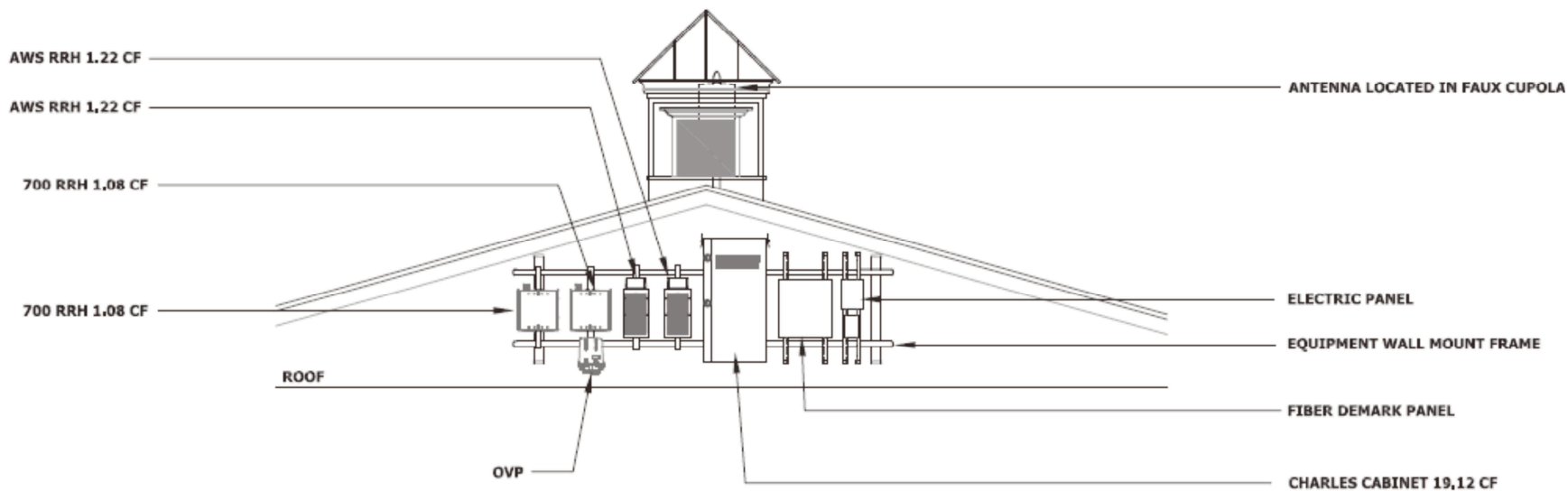


Figure B3. Example of Verizon wall-mounted small facility.<sup>3</sup>

<sup>3</sup> PCIA Letter to WTB, FCC, WT Docket No. 15-180, at 21 (filed December 18, 2015). Total volume of most associated equipment is 23.72 cubic feet (not including the electric panel and the fiber demark panel). The Charles Cabinet houses a router, electric service equipment and 8 hours of backup batteries. The associated equipment appears to be mounted on a wall as seen from the rooftop, and it may be hidden.

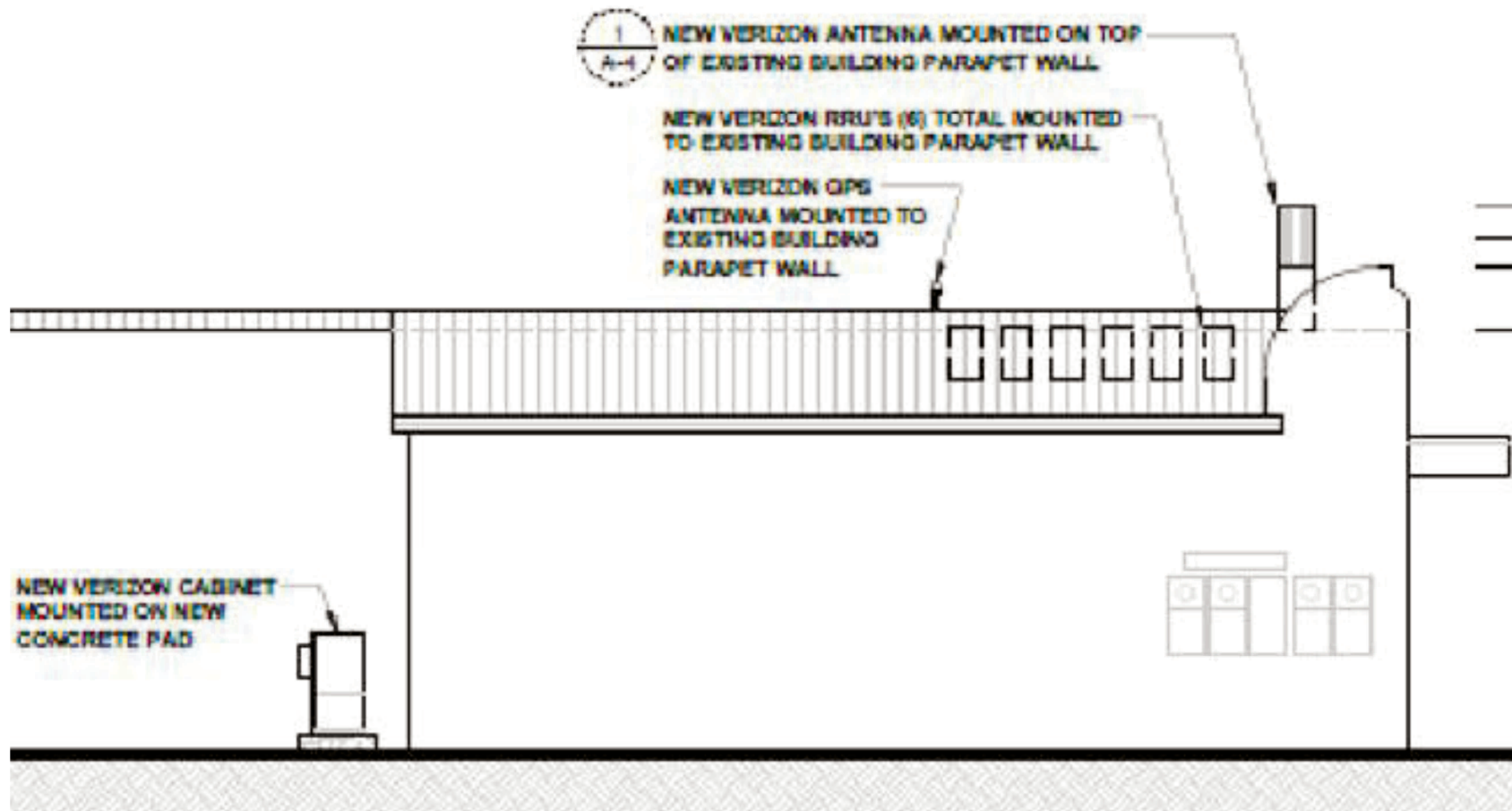


Figure B4. Verizon Small Cell deployment in a visible location of a building in Northern California/Nevada region.<sup>4</sup>

<sup>4</sup> Comments of PCIA - Attachment, WT Docket No. 15-180, at 18 (filed September 28, 2015). Antenna is on top of the roof, six radios (RRUs) are mounted to parapet wall, and the rest of the associated equipment is in a cabinet installed on a concrete pad on the side of the building. Antenna volume is reported under 3 cubic feet, and the total associated equipment volume is reported to be approximately 17 cubic feet.