

Exhibit 8.4 – KVKR Directional Antenna Alignment Survey and Installation

At the time of tower construction a complete survey (Figure 8.4a) of the site real estate and tower location was performed by licensed surveyor Bruce Jensen, including the distances and azimuths to each guy wire anchor point from the tower base. Because the Sabre 2400 series tower utilizes a single load-bearing base pin, the guy wire tension holds each tower leg in alignment with its associated guy wire, with the result that the opposing face is aligned to the reciprocal azimuth. Referring to the property sketch in lower portion of this survey, it can be observed that the azimuth of the northwest guy wire is 32 degrees west of north, or 328 degrees relative to true north. Thus, the azimuth of the southeast tower face, to which the KVKR antenna is attached, is always maintained at the desired reciprocal azimuth of 148 degrees.

The PSI antenna built for KVKR is a unique face-mount design (Figure 8.4b) which utilizes custom mounting brackets (Figure 8.4c) designed specifically for the Sabre tower to take advantage of its previously surveyed alignment. Each bracket attaches to both legs of the tower's southeast face using U-bolts and does not allow adjustment or inadvertent misalignment. The same is true for the bracket's bay supports, which attach to the bays at two points using heavy duty stainless steel hose clamps, thus preventing inadvertent misalignment of the bay with the bracket (figure 8.4d). Parasitics are likewise attached to these brackets at two points using stainless steel bolts, thus assuring that they remain properly aligned with the tower and bays. Thus, it is possible to conclude that since the azimuth of the tower face to which the antenna is mounted is known, then the azimuth of the antenna is also known.