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EVLA Feed Cone

Current Status Feed Circle Layout Structural Design Feed Mounting Feed Heaters Cost



Current Status



- Four built to date.
 - One mock-up.
 - Three installed. (Antennas 13, 14 & 16)
- Extrusions and Base Plates ordered for all.
- Panels Ordered for all.



Antenna 13 Feed Cone



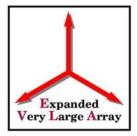


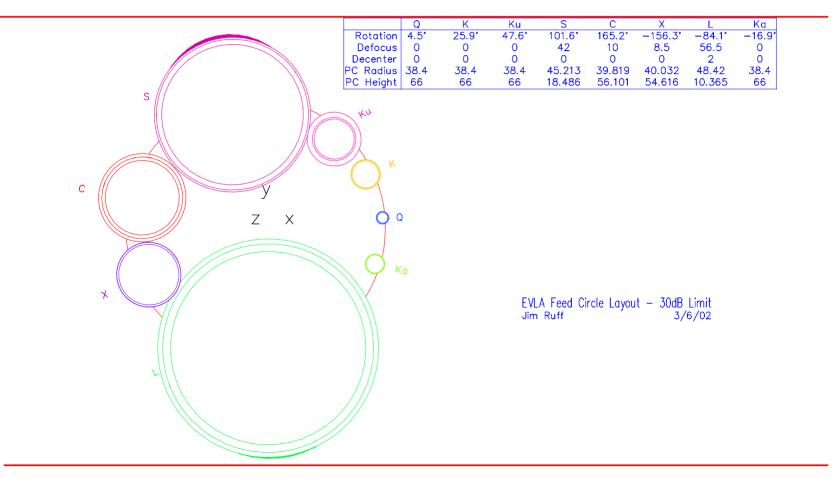


Antennas & Feeds CDR 2/17/05



Feed Circle

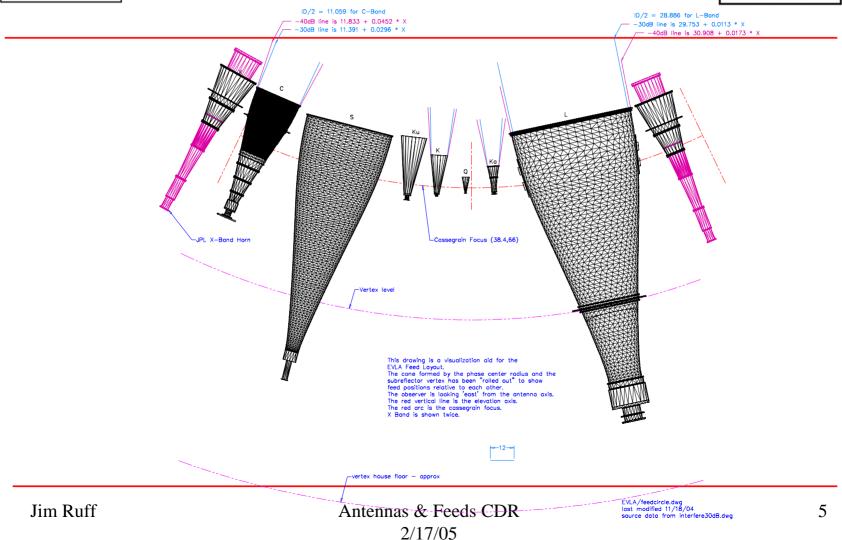






Feed Circle 'Rolled Out'

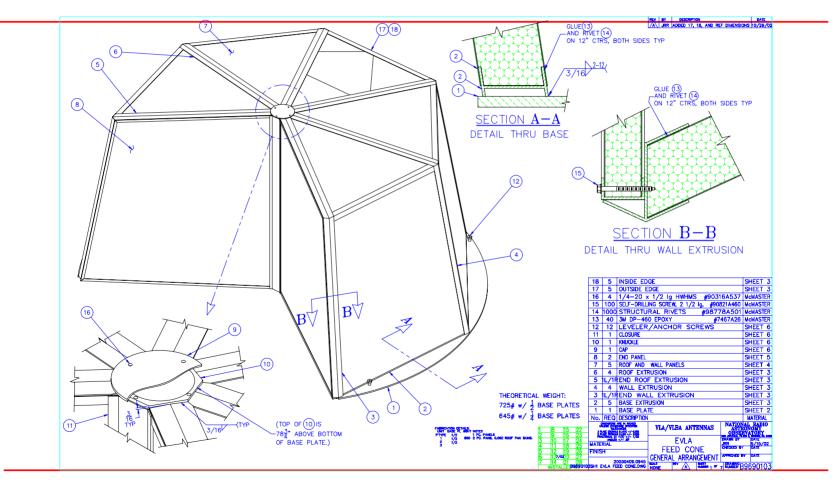






Feed Cone Structure





Antennas & Feeds CDR 2/17/05



Feed Cone Being Installed in A13

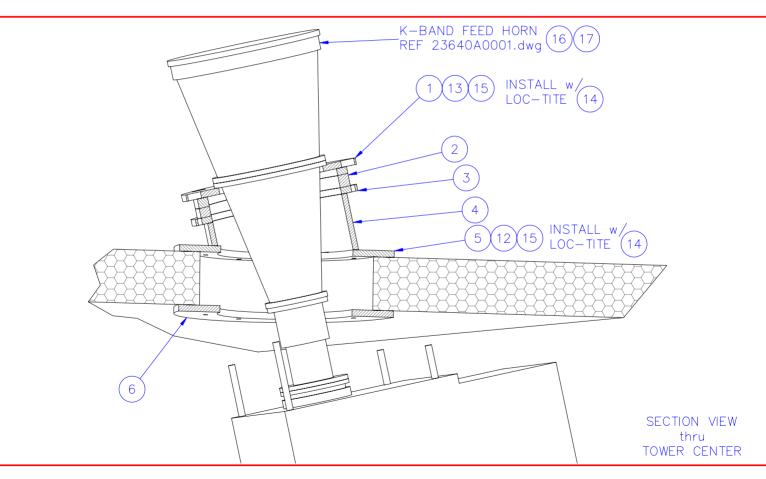






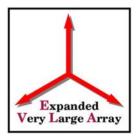
K-Band Feed Mount C, X, and Ku Similar

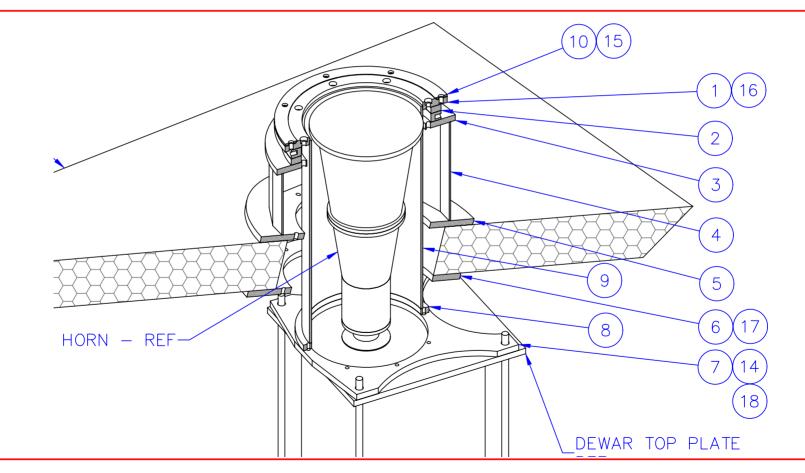






Ka-Band Feed Mount Q-Band Similar

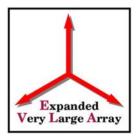




Jim Ruff



A14 Feed Cone and A13 Feed Mounts

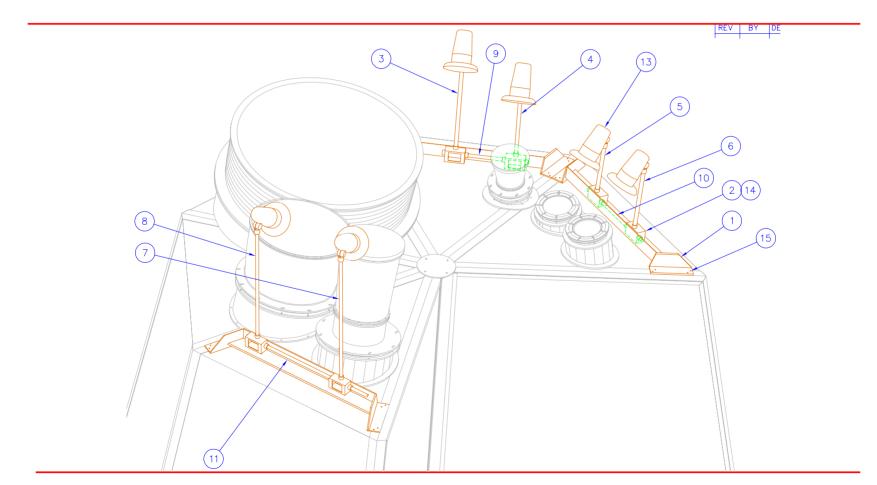






Feed Heaters







Feed Cone Cost



Actual Production Feed Cone Costs. (Not included: Feed mounts, Feed Cone Floor, Skirt, 'Combo Strips', Feed Heaters, etc.) \$5550 Laminated Panels \$275 Extrusions \$1050 Base Plates \$1125 Consumables \$8000 Total

Assembly & Installation labor ~ 4 man-months