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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



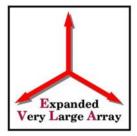


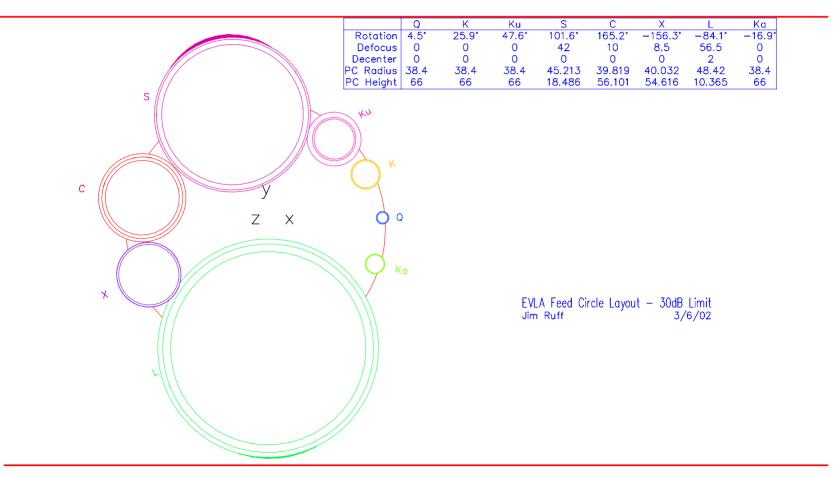


Antennas & Feeds CDR 2/17/05



#### Feed Circle

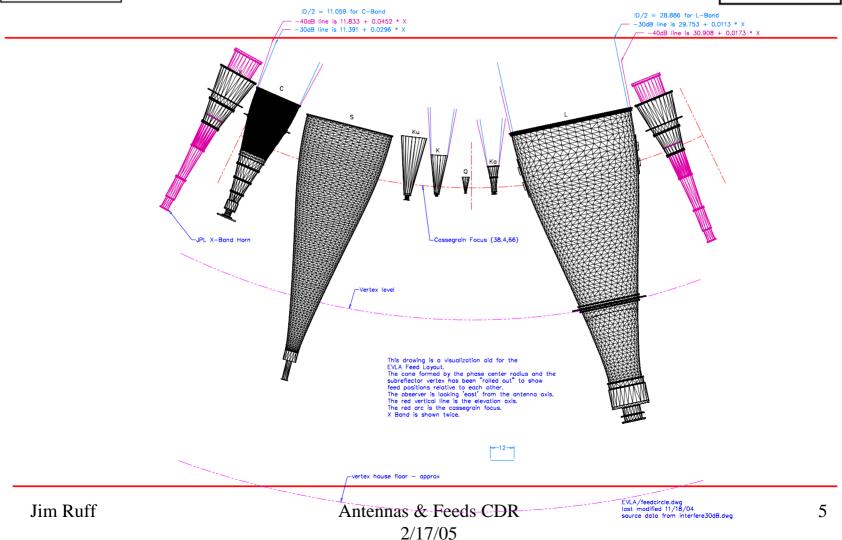






### Feed Circle 'Rolled Out'

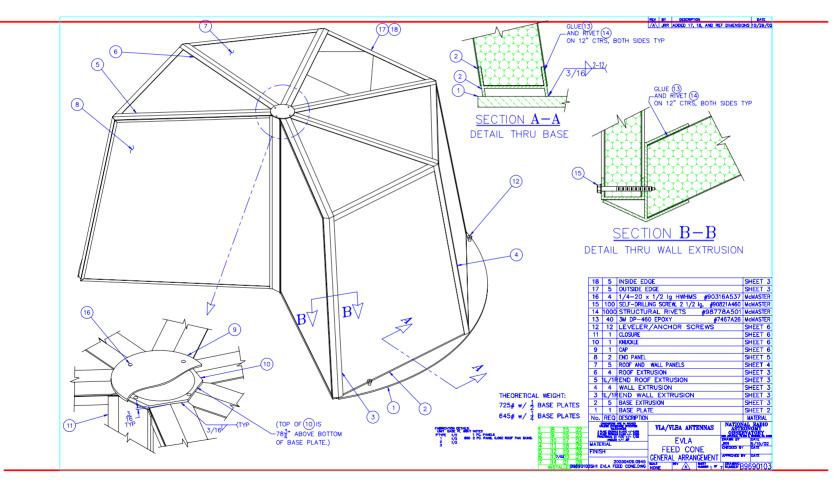






#### Feed Cone Structure



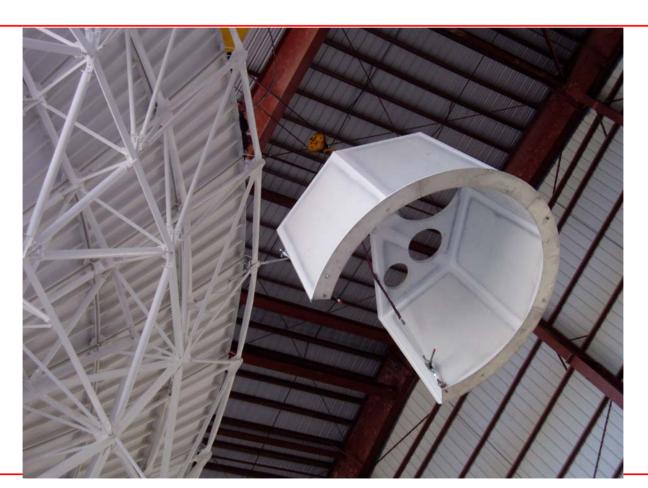


#### Antennas & Feeds CDR 2/17/05



# Feed Cone Being Installed in A13

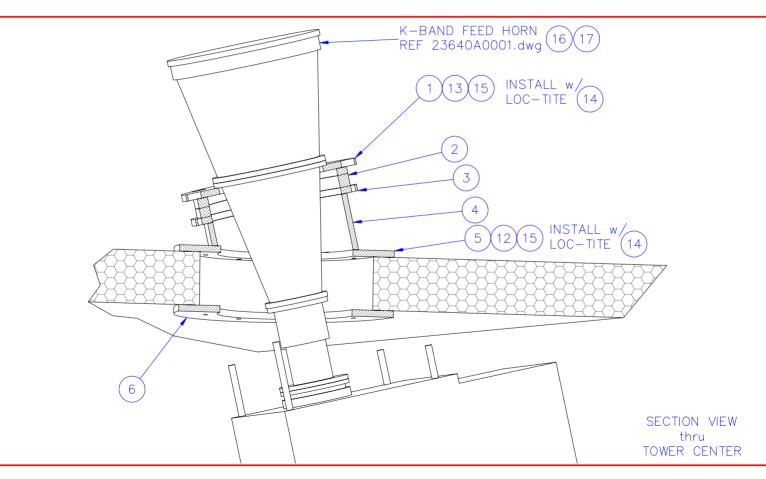






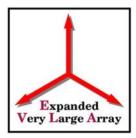
### K-Band Feed Mount C, X, and Ku Similar

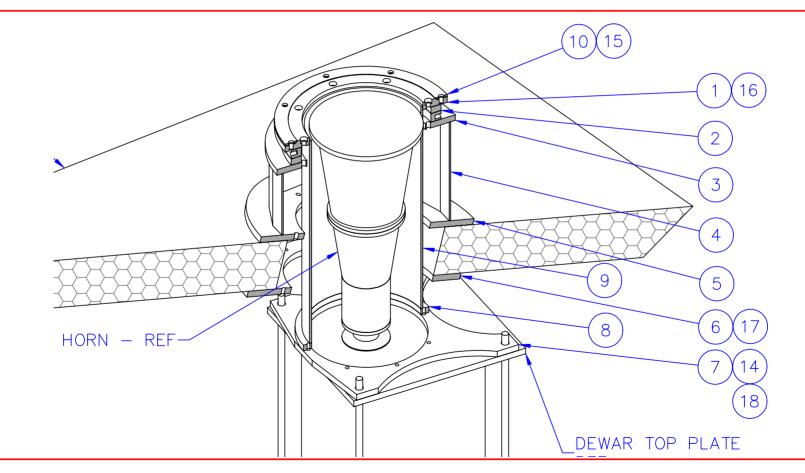






# Ka-Band Feed Mount Q-Band Similar

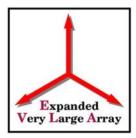




Jim Ruff



## A14 Feed Cone and A13 Feed Mounts

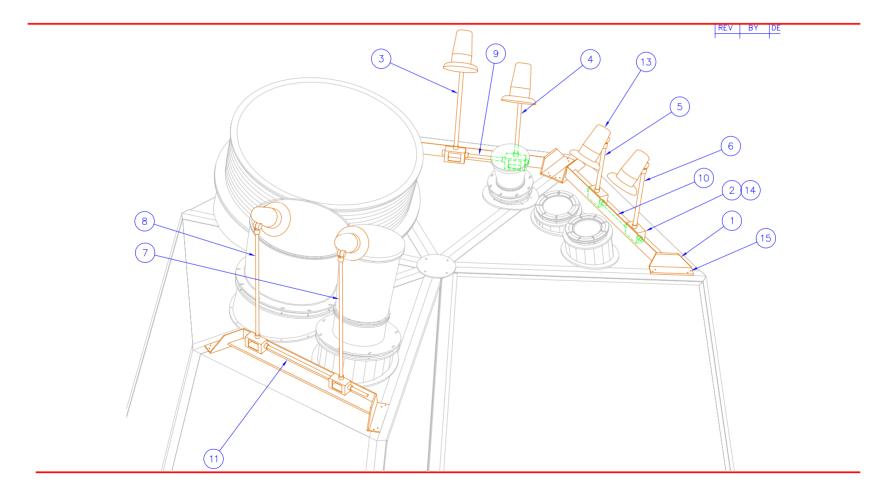






#### Feed Heaters







### 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