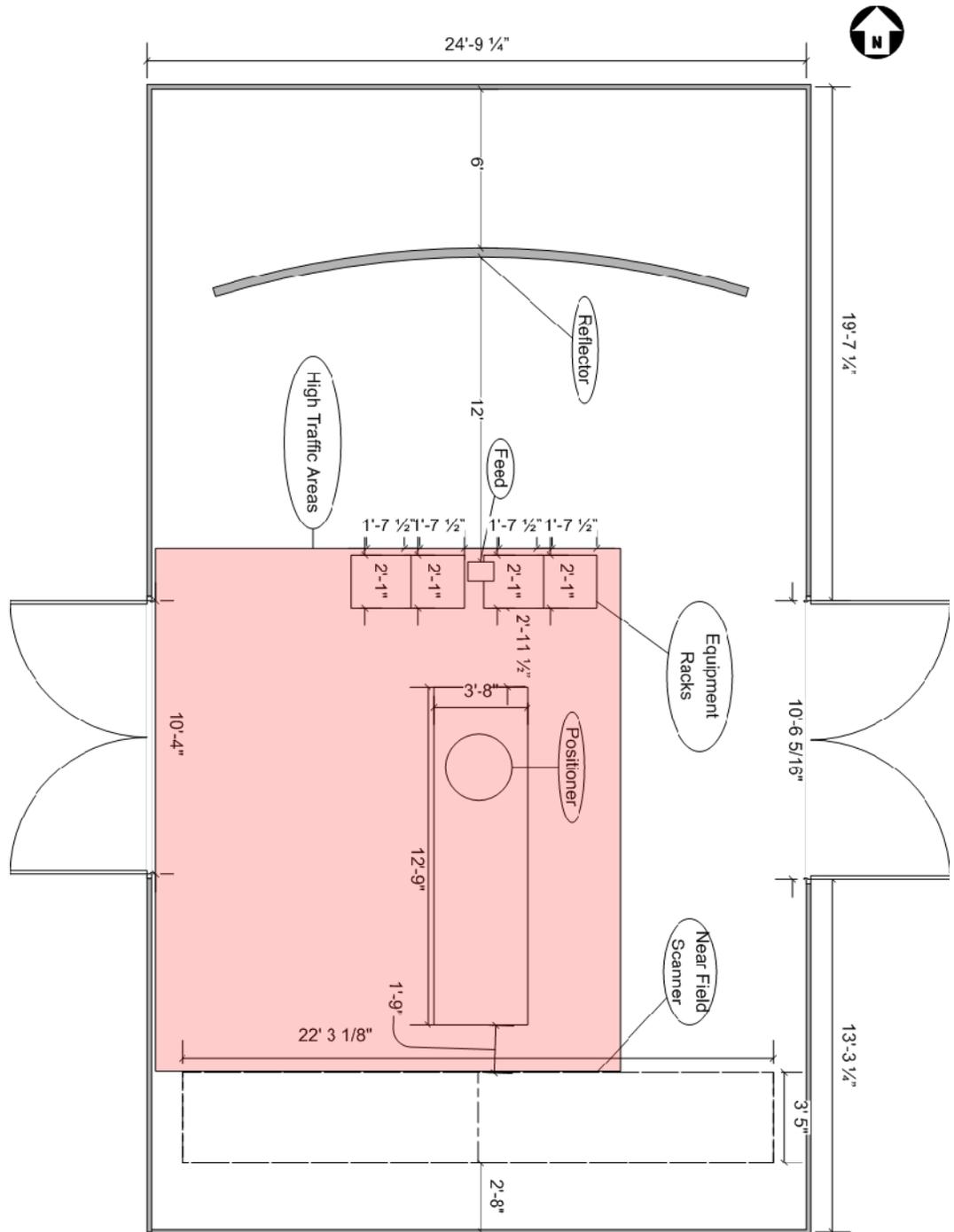


Appendix A – Antenna/RCS Measurement Facility Dimensions



NOTE: This drawing is for informational purposes only and can be used for gauging the overall scope of the project.

Appendix A – Antenna/RCS Measurement Facility Dimensions

The critical features of the existing compact range are provided below.

- ❖ Chamber type: Compact Range (1990 vintage)
- ❖ Approximate Chamber Size: 25' x 25' x 50' (Height x Width x Length)
- ❖ Operational Frequency Range: 2 – 100 GHz
- ❖ Quiet Zone Dimensions: Cylindrical: Diameter = 8', Length = 8'
- ❖ Existing Absorber Configuration:
 - 12" pyramidal on front walls, side walls, ceiling, and floor
 - 24" pyramidal on back walls
- ❖ Supported Measurement Types: Antenna and Radar Cross-section (RCS)
- ❖ Chamber Construction: Drywall with foil
- ❖ Doors: Two double doors (6' x 10') on side walls
- ❖ Lighting: 6 ceiling lights
- ❖ HVAC: YORK standalone: currently awaiting final approval for replacement independent from this contract. This should not affect this work as it was designed to mimic existing system, and will utilize same venting structure.
- ❖ Fire Suppression and Detection: Water based
- ❖ Existing Equipment: Compact range serrated reflector, AUT Positioner, 14' x 20' near-field scanner

