### **Wavefront Precision WPC**

The loudspeaker shall be a bi-amplified, vertically-arrayable three-way system powered by a dedicated controller amplifier. Its transducers shall consist of two 10” low frequency drivers, two 5” midrange drivers each coupled to a constant-directivity midrange horn, and four 0.7” exit compression drivers each coupled to a constant-directivity high frequency horn. Crossover frequencies shall be 440Hz active, 4.4kHz passive.

The loudspeaker shall have 100° horizontal dispersion and 10° vertical dispersion. Vertical dispersion of the complete array shall be determined by a combination of the splay angles between adjacent enclosures and dedicated array control software. The on-axis frequency response shall be 65Hz-18kHz +/- 3dB and the loudspeaker shall produce a maximum SPL of 135dB peak at 1 metre. Power handling shall be 500W AES, 2000W peak for the LF section and 220W AES, 880W peak for the combined mid and HF section.

The rear of the enclosure connector panel shall be fitted with two NL4 type connectors.

The loudspeaker enclosure shall be constructed from multi-laminate birch and poplar ply and finished with a durable textured black paint. The drivers shall be protected by a perforated steel grille with a scrim cloth backing and the enclosure shall incorporate a pocket handle in each side panel and two rear grip handles. The enclosure shall additionally incorporate an integral three-point rigging system to assemble an array of up to 16 enclosures suspended from a dedicated flying frame.

Dimensions (W x H x D) shall be 772mm x 319mm x 421mm (30.4in x 12.6in x 16.6in). Weight shall be 35kg (77.1lbs).

The loudspeaker shall be the Martin Audio Wavefront Precision WPC.