pneumatech
medical gas solutions

Technical Datasheet

Zeus Trunking & Headwall Systems

Description
The Pneumatech Zeus General Care bedhead trunking system and Vertical Headwall shall be constructed from custom designed extruded aluminium sections with powder coated facia panels, offering a minimum 25 year service life. Fascia panels shall be cut prior to painting to ensure all surfaces are coated, providing a tight seal between panels to prevent dust traps.

Fascia fixing screws shall be covered with a removable extrusion, providing a tight seal to prevent dust traps. A wall seal shall run the full length of the bedhead unit, providing a dust tight seal between the bedhead unit and the wall and shall cater for a 10mm tolerance in the flatness of the mounting surface.

Three segregated service compartments (Zeus General care) and a segregated service compartment (Headwall) shall run the length of the unit to carry medical gas pipes, low-voltage electrical cables and ELV/data, with segregation of services being maintained throughout.

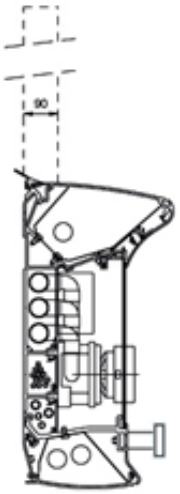
Luminaires with electronic ballast's suitable for use with TL5 high efficiency fluorescent tubes shall be provided (tubes not included).

Classification
Zeus trunking is designed to HTM 2007, HTM 2011, HTM 2015, HTM 2020, HTM 2022, HTM02-01, HTM08-03, BS EN ISO 11197, BS EN 60601-1, BS EN 60598-1 and BS EN 60598-2-25, BS 6496, BS 7671, BS EN 60439, IEC 60364-7-710, CIE, CIBSE LG2, CIBSE LG3.

Features
- Pre-wired, pre-piped, factory tested and certified
- Including BS East SP or Zeus SP medical gas terminal units as standard
- Large range of country norms (gases and electrics)
- Integrated lighting for patient and rooms, with electronic ballasts
- High lighting performance
- Bespoke layout and length
- Compact design with superior aesthetics
- Accessories

Services for Use
- Medical gases BS, DIN, AFNOR, ISO norms (max 5 gases horizontal, 3 gases narrow vertical and 12 gases vertical)
- Low voltage – BS, European, US, Chinese electrical sockets. Earthing jacks.
- Lighting – T5 up and down lighting. Examination and reading lamp accessories (rail or bracket mounted)
- Extra low voltage – RJ45, RJ11, nursecall provisions, etc.
- Accessories – medical equipment rail

Construction
- All pipework and gas components degreased for oxygen use
- Extruded aluminium sections with fullt segregated services
- 2.5mm thick UV stabilised and fire retardant high-impact Fabex 578 end caps
- RAL9010 powder coated aluminium fascia panels
- Removable UV stabilised polymer screw covers
- UV stabilised elastomer wall seal
- Fire-retardant Lexan® ML3290 polycarbonate resin diffusers with prismatic inner surfaces
- Alanod Miro4 or Miro27 aluminium mirror finished reflectors



Horizontal trunking cross section showing service segregation

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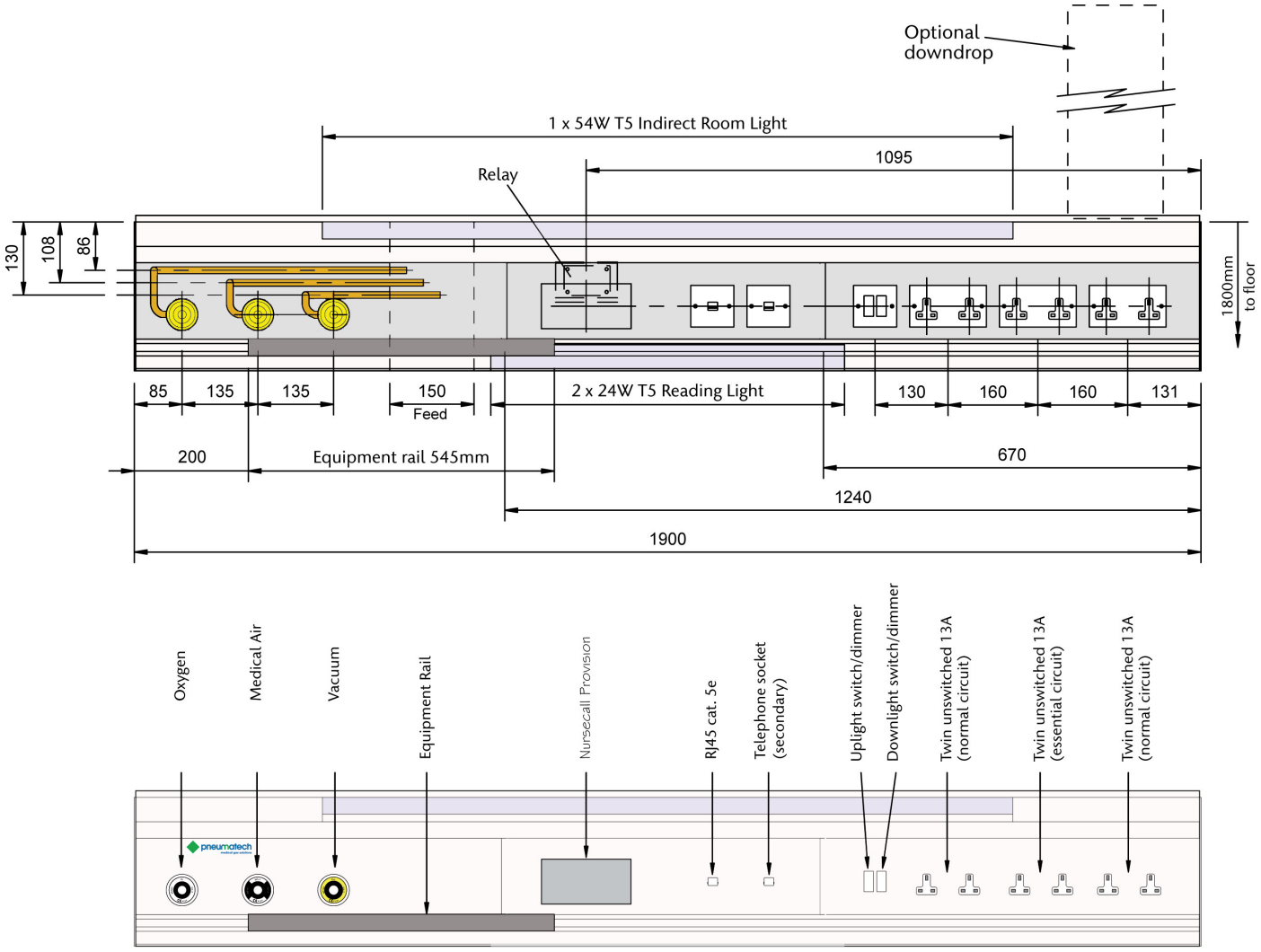
Typical Services Layout - Zeus Geneal Care



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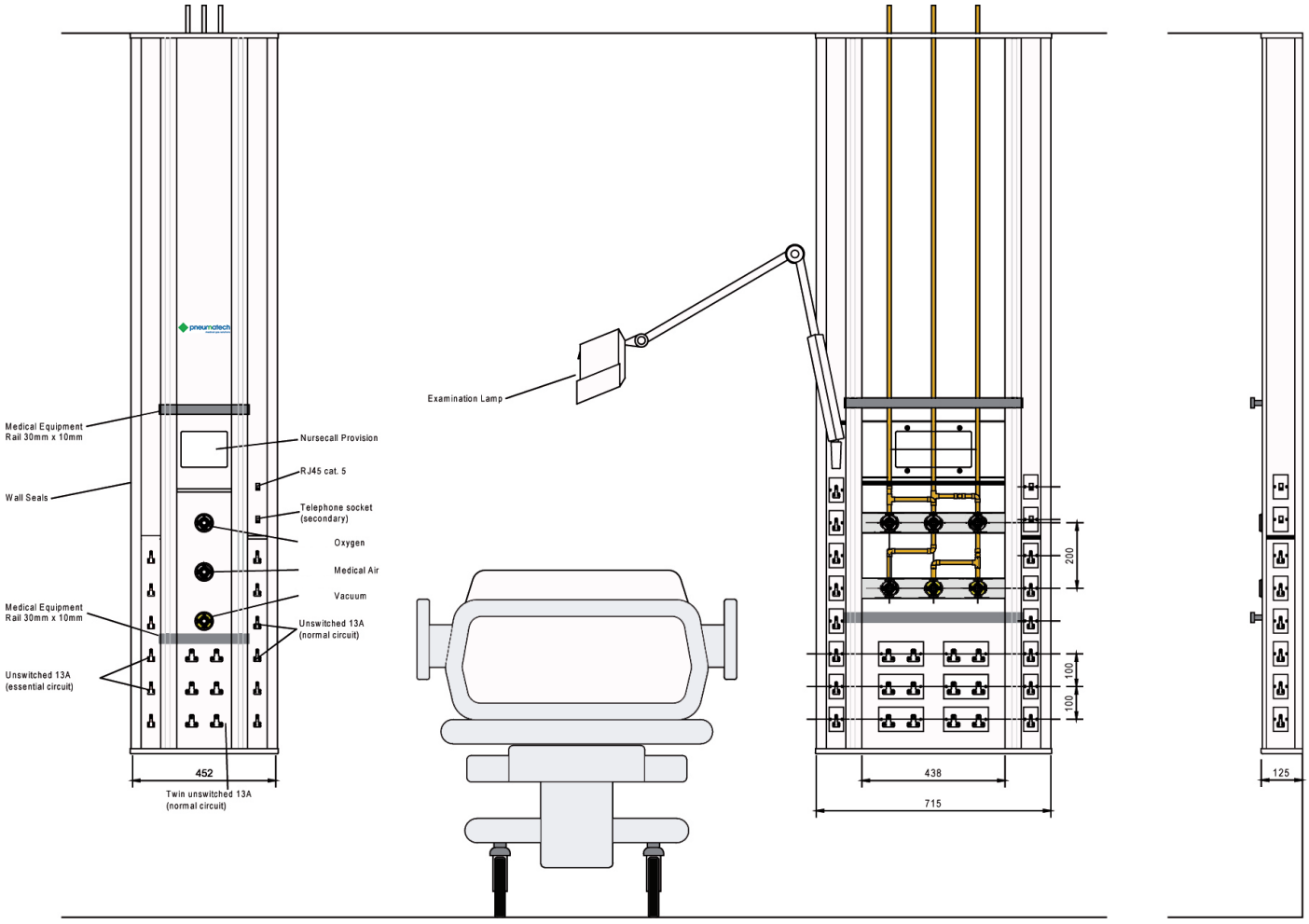
Typical Services Layout - Zeus Vertical Headwall



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