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Nota di contenuto	Intro -- Contents -- Acronyms and Abbreviations -- List of Figures -- List of Tables -- Chapter 1: Introduction -- Chapter 2: Design Methodology -- Reference -- Chapter 3: Design Criteria -- 3.1 Meteorological Data -- 3.2 Indoor Air Temperature, Relative Humidity, and Velocity -- 3.3 Productivity and Thermal Comfort -- 3.4 Supply and Exhausted Air Rates -- 3.5 Indoor Air Quality -- 3.6 Air Distribution Method Selection -- 3.7 HVAC Equipment Selection -- References -- Chapter 4: Processes and Contaminant Generation in Welding Shops -- 4.1 Shop Heating from Welding Processes -- 4.2 Particle Size -- References -- Chapter 5: Target Levels -- References -- Chapter 6: Ventilation -- 6.1 Principles of Ventilation -- 6.2 Local Exhaust Ventilation -- 6.3 General Ventilation -- 6.4 Supply Air Distribution -- 6.5 Ventilation Rates, Contaminant and Heat Removal Efficiency -- 6.6 Return (Recirculating) Air and Energy Recovery from Exhaust Air -- 6.6.1 Outside and Recirculating Air Flow -- 6.6.2 Requirements for Recirculating Air Cleanliness -- 6.7 Fume Filtration -- 6.7.1 Collector Selection -- 6.7.2 Cartridge Collectors -- 6.7.3 Electrostatic Precipitators -- 6.7.4 Fabric Collectors -- 6.7.5 Fire Precautions -- 6.7.6 Safe Handling and Disposal of Collectors -- 6.7.7 Special Requirements to Duct Selection and Design -- 6.8 Some Ventilation System Design Cases (Reproduced from Zhivov 1993) -- References -- Chapter 7: Energy Conservation -- 7.1 Process Related

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