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Nota di bibliografia	Includes bibliographical references (p. 417-425) and index.
Nota di contenuto	Net zero energy building overview -- The case for net zero energy buildings -- Defining net zero energy -- Building industry trends and standards -- Project conception and delivery -- The objective of net zero energy -- Project conception -- Project planning -- Project team selection -- Delivery methods -- Risks and rewards -- Integrated process -- Integrated delivery and management -- The project delivery phases -- Integrated design methods -- Building energy modeling -- Energy -- Energy basics -- Energy use intensity -- Energy targets -- Energy and thermal comfort -- Design fundamentals -- Energy design conditions -- Climate assessment -- Site assessment -- Building massing and geometry -- Building type and program -- Passive architecture -- Passive design -- Design science -- Building envelope -- Passive strategies -- Energy efficient building systems -- Active systems -- Basic concepts -- HVAC overview -- Low energy distribution -- Low energy primary equipment -- Domestic hot water -- Lighting -- District energy -- Renewable energy -- Renewable energy basics -- Solar power -- Solar thermal -- Wind -- Hydro -- Geothermal -- Biomass -- Fuel cells and hydrogen -- Economics -- Financial considerations -- Financial models -- Financial analysis -- Net zero energy and the real estate market -- Operations and occupancy -- Building operations -- Plug loads -- Green behavior -- Net zero energy performance plan -- Net zero energy -- Net zero

energy balance -- Net zero energy measures -- Carbon neutrality -- Case study -- DOE/NREL research support facility.