

RIT Global Village

Rochester, NY

building statistics

function | residential / commercial

size | 122,000 sf

levels | four stories + mech pent.

cost | \$57.5 million

construction dates | march 2009 - sept 2009

delivery method | cm at risk

project team

owner | rochester institute of technology

architect | architectural resources cambridge

construction manager | the pike company

civil | erdman anthony

structural | lemessurier consultants

mechanical | ibc engineering

lighting / electrical | iam partners

architecture

global village is a european-inspired complex that incorporates themes and materials to represent different regions from around the world; including marble from italy and wood panel siding from denmark. commercial space is located on the first and second floors while campus housing is located on the third and fourth floors. commercial and retail space consists of two dining facilities, a post office, salon, wellness center, sports outfitter, and a convenience store. the "u" shape footprint creates a courtyard that features a removable stage, gas fireplace, glass fountain, and outdoor seating.

structure

foundation | isolated spread and continous strip footing

superstructure | steel concentrically braced frame. ground floor comprised of 6" concrete slab. second and third floor consists of lightweight concrete slab on metal decking supported by wide flange beams and girders. upper floors comprised of wood flooring and wood framing.

mep systems

mechanical | 15 demand-controlled ahu's, 14 vav, ranging from 2,000 to 9,600 cfm. vav boxes with reheat coils and fcu's are located throughout the building.

lighting | three 333 kva from existing t-splice. main power is 120/208v with a 150kw 3p / 4w emergency generator. exterior features led and metal halide lighting while interior uses cfl and fluorescent lighting.