

CEMSTONE ADVANTAGE

Sustainable Design - Energy/Green Building



PROJECT NAME: CineMagic Atlantis 15

LOCATION: Burnsville, MN

ARCHITECT: Theodore E. Knapp/Sean Gibbons,
TK Architects

CONTRACTOR: Engelsma Construction

ICF INSTALLER: Gresser Companies

CATEGORY: Commercial Insulating Concrete Forms (ICFs)

READY MIX CONCRETE: 5,000 Cubic Yards

ICF FORMS: 83,000 sq. ft. of ICF wall enclosed
60,290 sq. ft. of theater space

Energy Efficient and Whisper Quiet ICF Theatre

At CineMagic Atlantis 15 theatre in Burnsville, Minn., a Cemstone insulating concrete form (ICF) system allowed for wall heights in excess of 50' tall to accommodate the theatre's large screen format auditoriums. The ICF system also worked well with the exterior insulation and finish system (EIFS) chosen by the owner. And the towering stone-clad ICF walls helped to produce a sense of grandeur and drama.

With Cemstone Contractor Supply nearby, the construction team had the ICF forms on site immediately, which helped to fast track the construction: it took only 8 weeks to install 83,000 sq. ft. of ICF walls. And, by using the ICF walls as demising walls, the team was able to reduce the amount of structural steel as well as construction time.

Both the owner and the architect expected to see significant energy savings associated with the HVAC systems by using ICFs. In fact, the owner will be able to directly compare this theater with a near replica in St. Michael, MN built with traditional precast panels. The ICF wall assembly delivered a tight enclosure that will minimize CineMagic's carbon footprint for a more environmentally friendly and sustainable structure.



VOICE OF THE CUSTOMER

"This was our office's first project utilizing ICF construction. We had always been interested, but never had a client willing to 'take the plunge.' We had worked with CineMagic before on a similar theatre project in St. Michael, Minnesota using precast panels. The owner was not fully satisfied with the consistency of the exterior finishes, joints, and reveals—as well as the interior detailing. Further, the lead time for the panels was almost 4 months! He suggested we look into ICF construction. It was great to have an owner on board that was willing to try out a relatively new product in commercial construction."

**-Sean Gibbons, Architect
TK Architects**



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