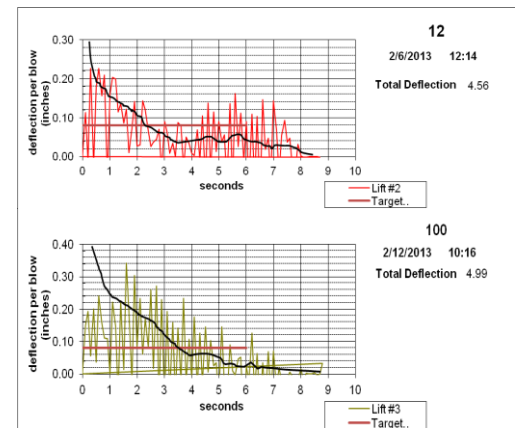


PROJECT DESCRIPTION

PROJECT: Medical Office Building ---- Valley View Medical Plaza
LOCATION: Grand Junction, Colorado
DESIGN TEAM: *Architect:* Boulder Associates : Boulder, CO
Structural Engineer: Martin/Martin, Inc. : Lakewood, CO
Geotechnical Engineer: Ground Engineering Consultants : Grand Junction, CO
CONTRACTOR: GH Phipps Construction Co. : Greenwood Village, CO
OWNER: Canyon View Medical Center



Rammer stroke deflection monitoring during actual pier construction confirmed that the design pier modulus was achieved

DESCRIPTION:

- **7000 psf** allowable bearing pressure on aggregate pier-reinforced soil
- 2-story structure with column loads up to 250 kips and mat loads greater than 1000 kips
- Soft CLAY and SILT to a depth of 30' below grade
- Shallow groundwater
- Critical issues were control of total and differential consolidation settlements and potential hydro-collapse
- Aggregate piers were selected as a cost effective alternative to 35'-45' long concrete filled pipe piles

REFERENCES: Ryan Bonner, Project Manager Eric Mocko, Project Manager Lawrence Kemp, P.E.
 GH Phipps Construction Co. Ground Engineering Consultants Martin/Martin