

FIELD REPORT

05



PROJECT: Polson Linderman Gym Partial Collapse
LOCATION: 4th Street East & 5th Avenue Polson MT
REPORT DATE: 01-29-18

TIME: 2:30 PM to 5:00 PM
WEATHER: 40 degrees, partly cloudy
REPORT BY: Paul Bishop, Project Manager, Paradigm v2

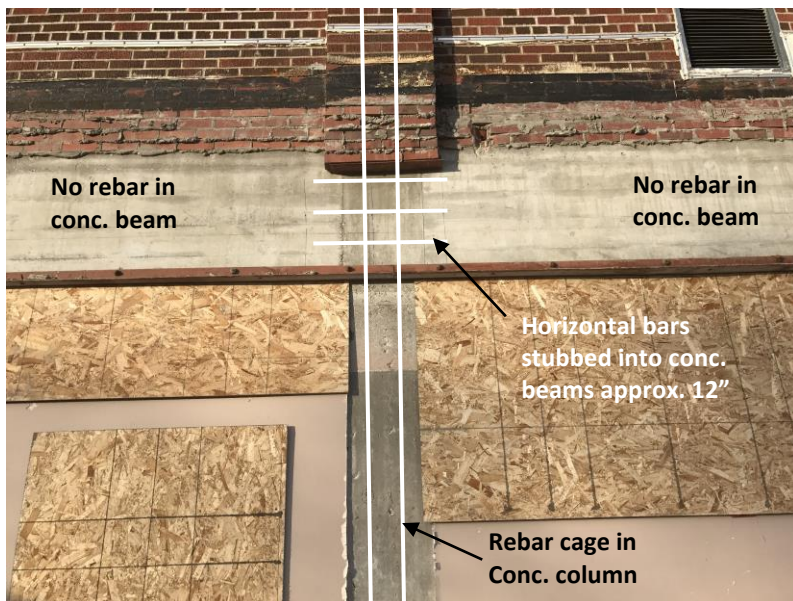
Present: Dan Giles, Facilities Manager Polson School District
Levi Hubble, Technician A-Core
Paul Bishop, Project Manager Paradigm v2 Architects PC
Also Swank crew (2)



Swank installing bracing



A-core scanning bond beam with GPR unit



Schematic rebar diagram

OBSERVATIONS & DISCUSSIONS:

1. Levi Hubble of A-Core used a hand held ground penetrating radar unit to view the internal structure of the concrete columns and beams of the south side of the Linderman Gymnasium.
2. The concrete columns have a re-bar cage consisting of vertical bars with horizontal ties as would be expected.
3. There are several horizontal bars connecting the vertical column cages to the concrete beams on either side of the column. However, these bars extend only about 12" into the beams.
4. There are no horizontal bars or vertical ties in the concrete beams. Levi scanned several beams to make sure, and scanned both the inside and outside faces for further redundancy.
5. Wires about 0.04" in dia. can be seen at regular spacings in the beams, which we surmised were used to help hold the board forms from spreading while the concrete was poured.
6. Levi also discovered a large area of rock pocketing inside the beam between columns 1 and 2. Dan G. noted several areas of parging which appeared to be at rock pockets on the beam surface.
7. Two Swank workers were installing diagonal shoring at the demolished locker room.

NEXT STEPS:

1. It will take about two days to receive a 3-d model of the scanned data from A-core. Levi will email the files to Paradigm v2 for distribution to all.
2. DCI+BCE Engineering will be on site Tuesday, January 30, to start a full assessment of the building.
3. Swank will continue to install shoring.

End of report