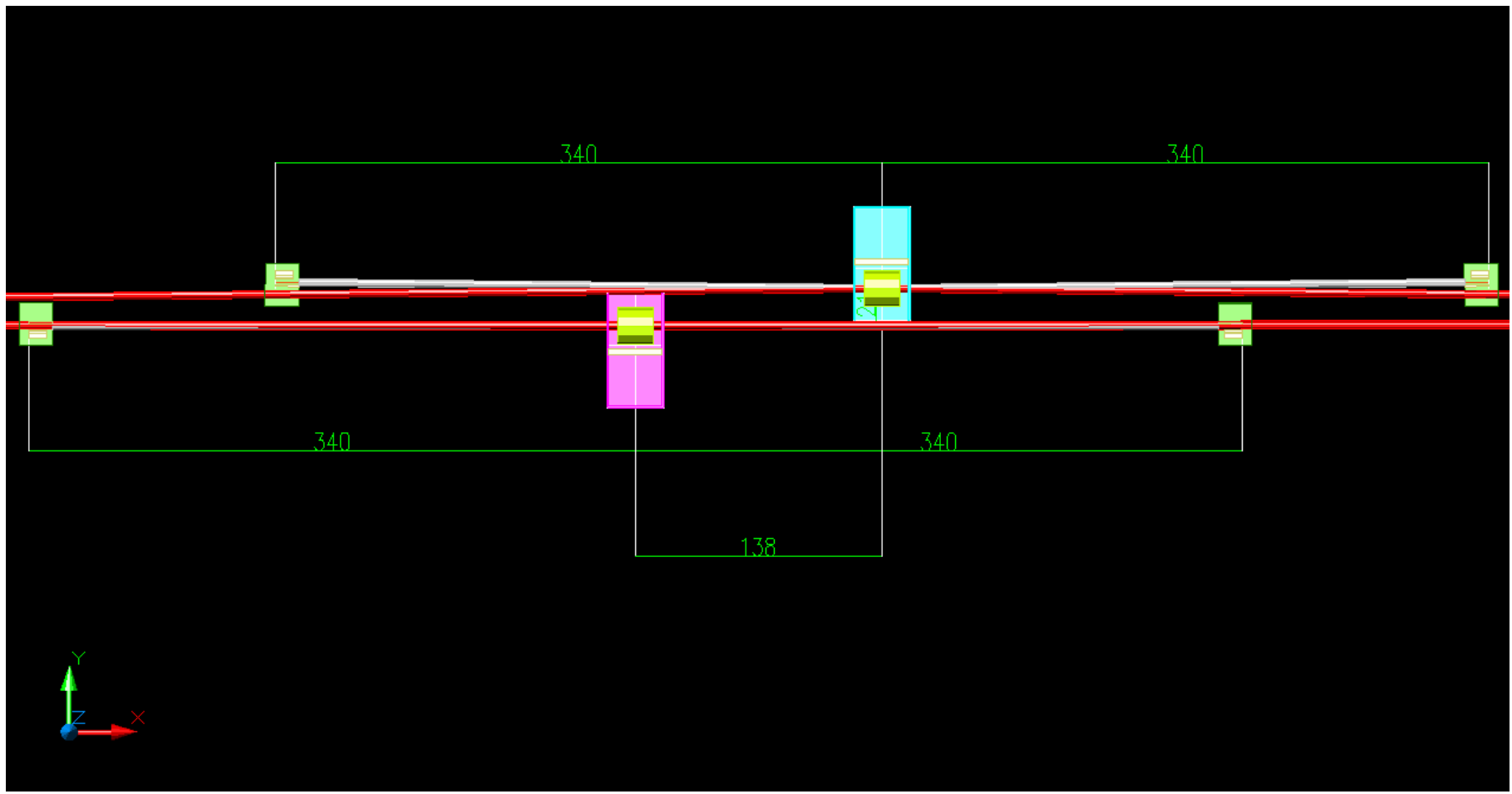
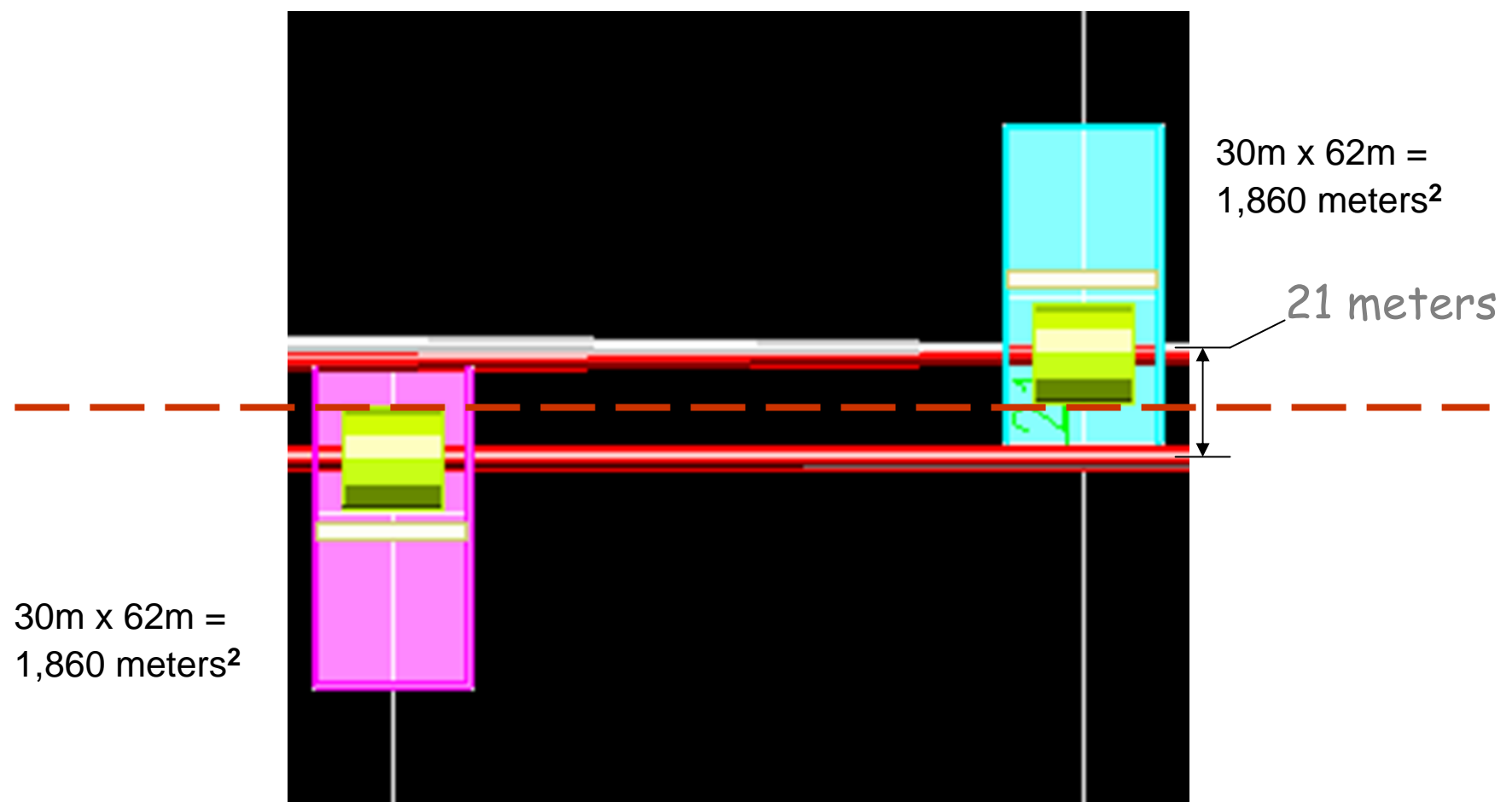




20 mr & 2 mr Crossing Angles





30m x 62m =
1,860 meters²

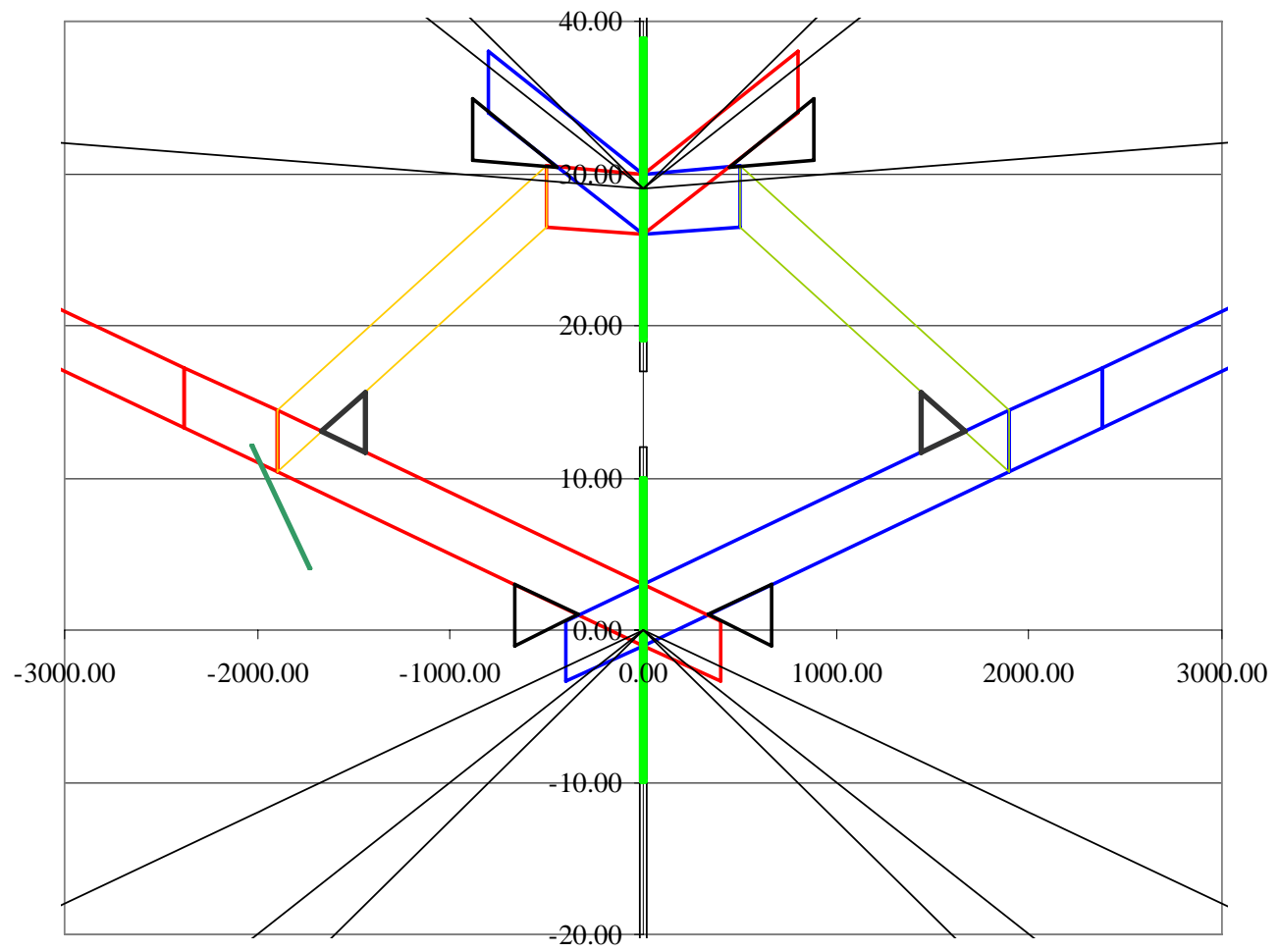
30m x 62m =
1,860 meters²

21 meters

2 x 1,860 meters² = 3,720 meters²

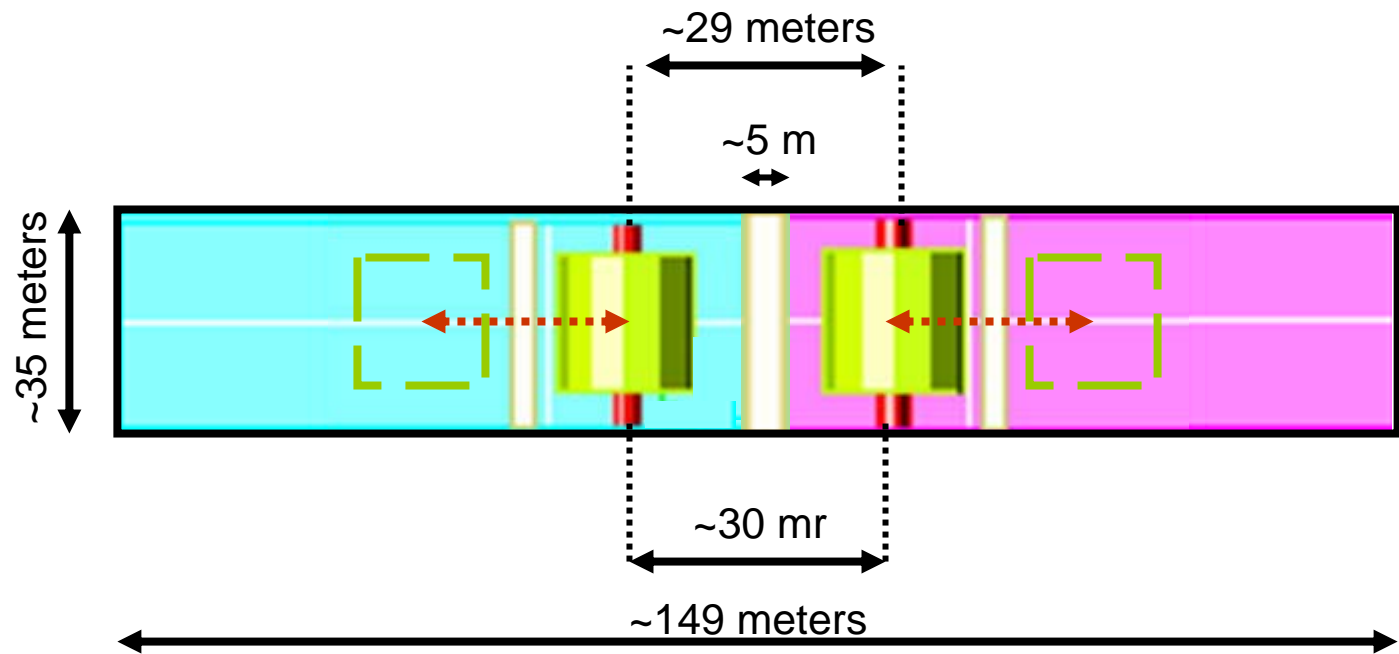


Beam Delivery Tunnels





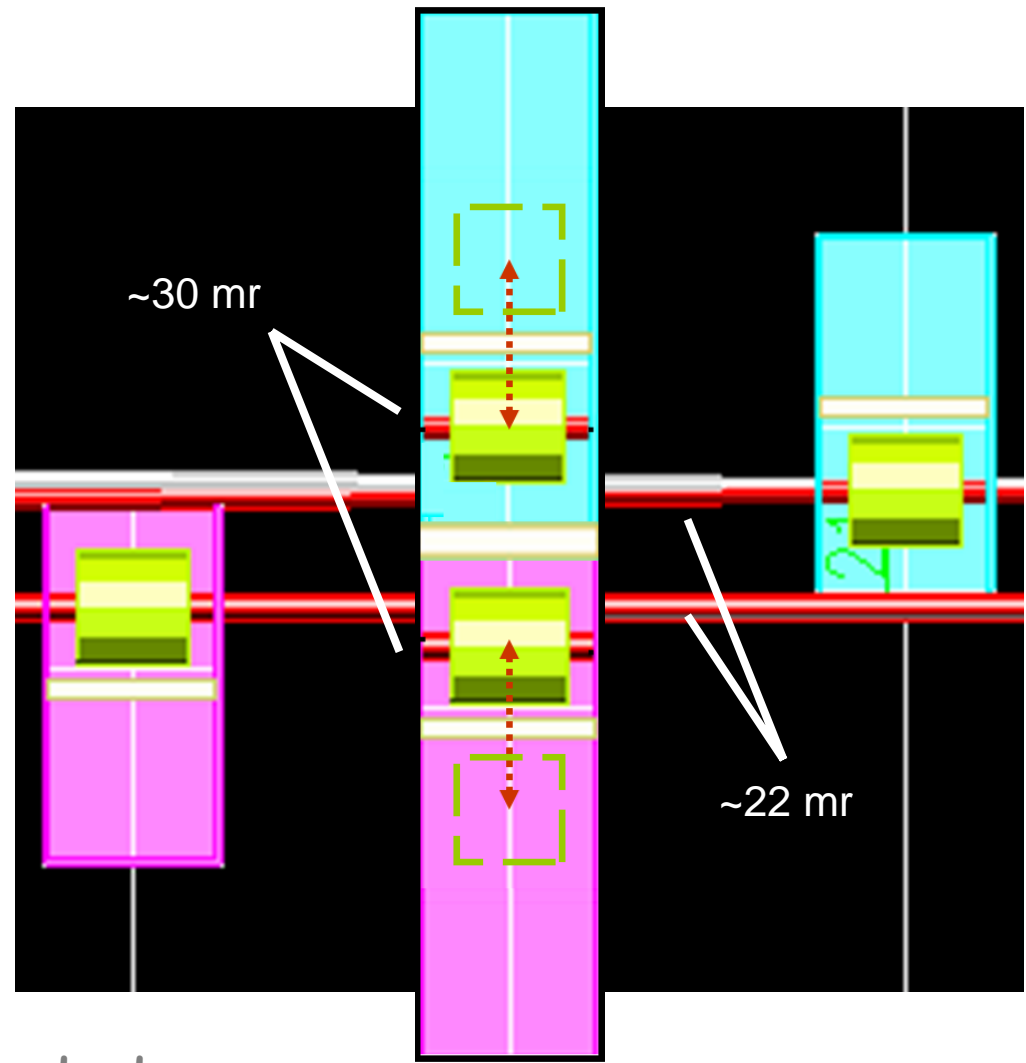
One IR Hall w/ Two Push-Pull Detectors on Two Beams



$$35\text{m} \times 149\text{m} = 5,215 \text{ meters}^2$$

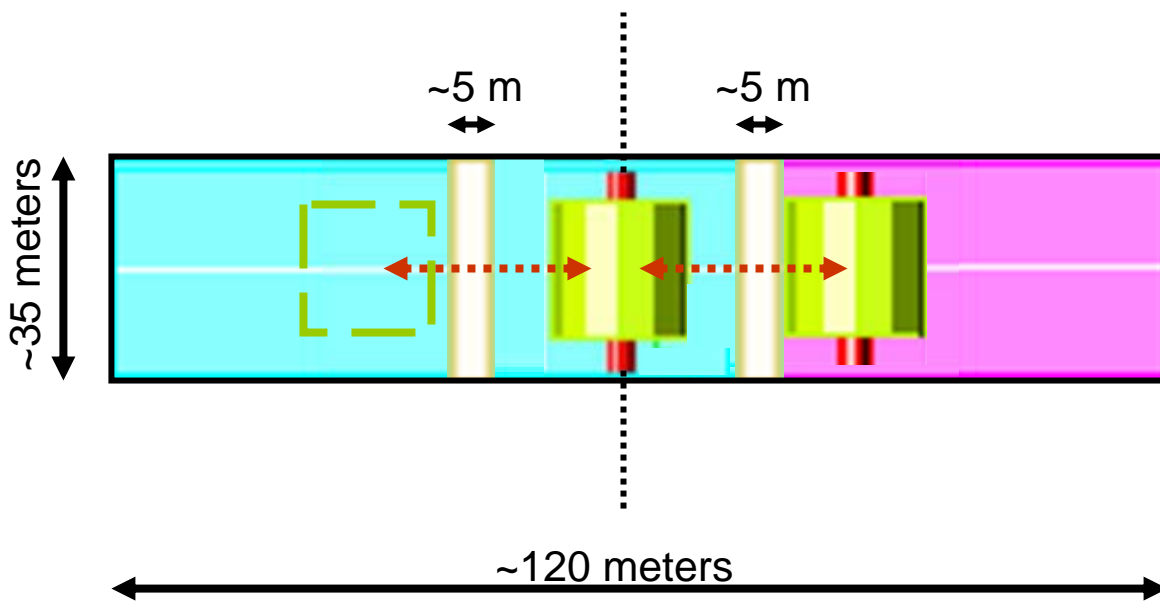


One IR Hall w/ Two Push-Pull Detectors vs Two IR Halls each with One Detector





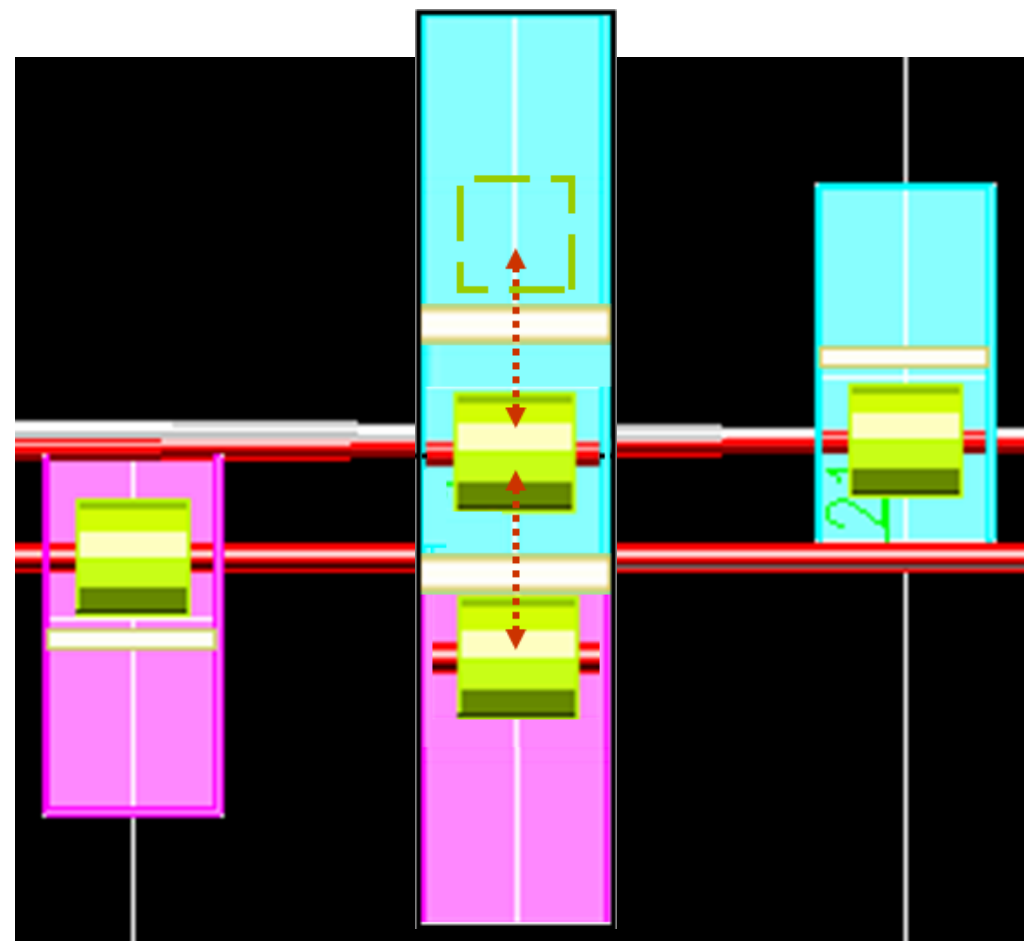
One IR Hall w/ Two Push-Pull Detectors

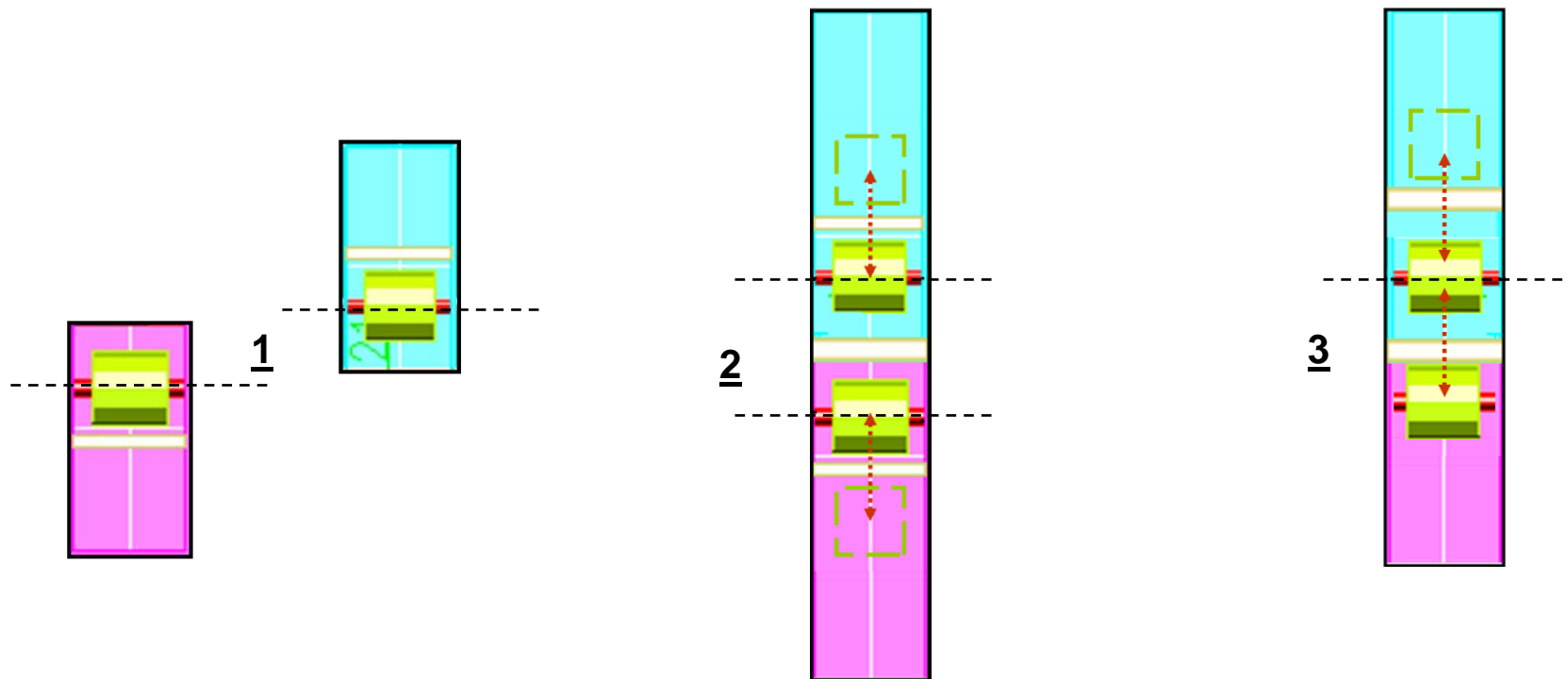


$$35\text{m} \times 120\text{m} = 4,200 \text{ meters}^2$$

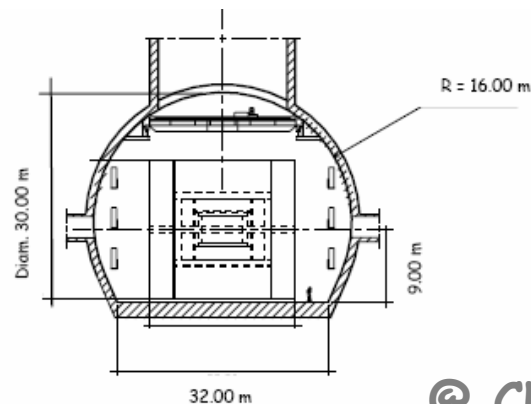
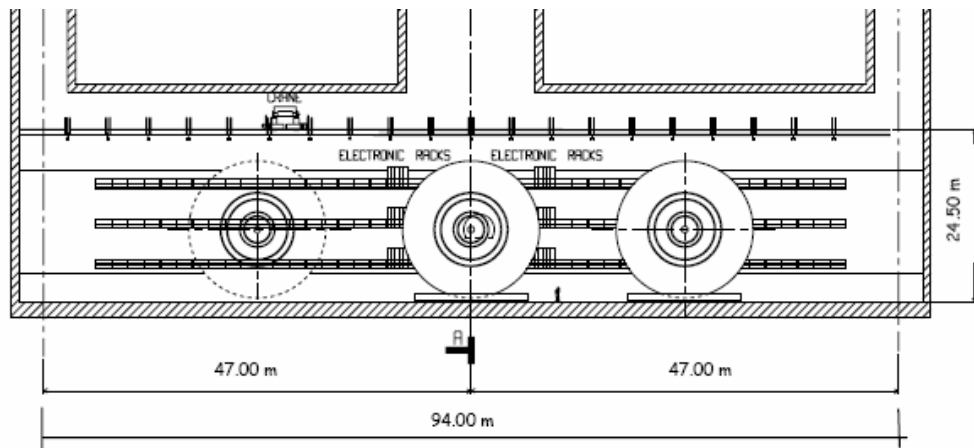


One IR Hall for Two Push-Pull Detectors vs Two IR Halls each with One Detector





	Total Meters ²	Deep Civil Only \$/Meter ²	\$	Surface Civil Only \$/Meter ²	\$
Halls & Detectors					
1 2 Halls, 2 Detectors, 2 Beams	3720	\$11,021	\$40,998,120	\$3,091	\$11,498,520
2 1 Hall, 2 Detectors, 2 Beams	5215	\$11,021	\$57,474,515	\$3,091	\$16,119,565
3 1 Hall, 2 Detectors, 1 Beam	4200	\$11,021	\$46,288,200	\$3,091	\$12,982,200



2 detectors, push pull, dimensions according to h. Yamaoka presentation at Snowmass

