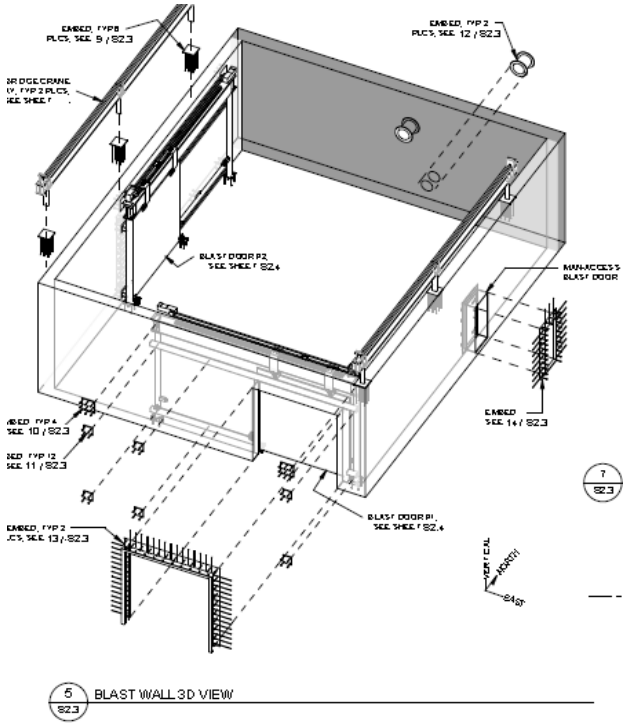
INDUSTRIAL BLAST WALLS

Linn County, OR

Pillar Consulting Group was the Engineer-of-Record for the design of industrial blast walls to provide personnel protection from process equipment capable of producing an uncontrolled detonation hazard. The design of the walls utilized TM-5 1300 methodology and SBEDS software to estimate the response of the walls to the assumed charge size and standoff distances. Pillar Consulting Group assisted the client with the development of a basis-of-design hazard by carefully reviewing past accidents associated with similar process equipment coupled with fundamental calculations and application of engineering judgement. The 15 foot tall walls were composed of reinforced concrete, and included two large sliding steel blast doors custom designed by Pillar Consulting Group, and a specified, smaller man access door.



Structure Description:
16”-to-20” thick, reinforced concrete walls, with solid steel plate sliding doors

Project Construction Cost:
Confidential

Pillar’s Responsibilities:
Blast Wall Structural Engineering
Foundation Structural Engineering
Fire and Life Safety Code Review
Explosion Hazard Basis Selection
Sliding Blast Door Design
Bridge Crane Runways

STRUCTURAL | FACILITIES

for more information contact Joe McCormick at 541-752-9202

PILLAR CONSULTING GROUP, INC.
www.pillar-inc.com