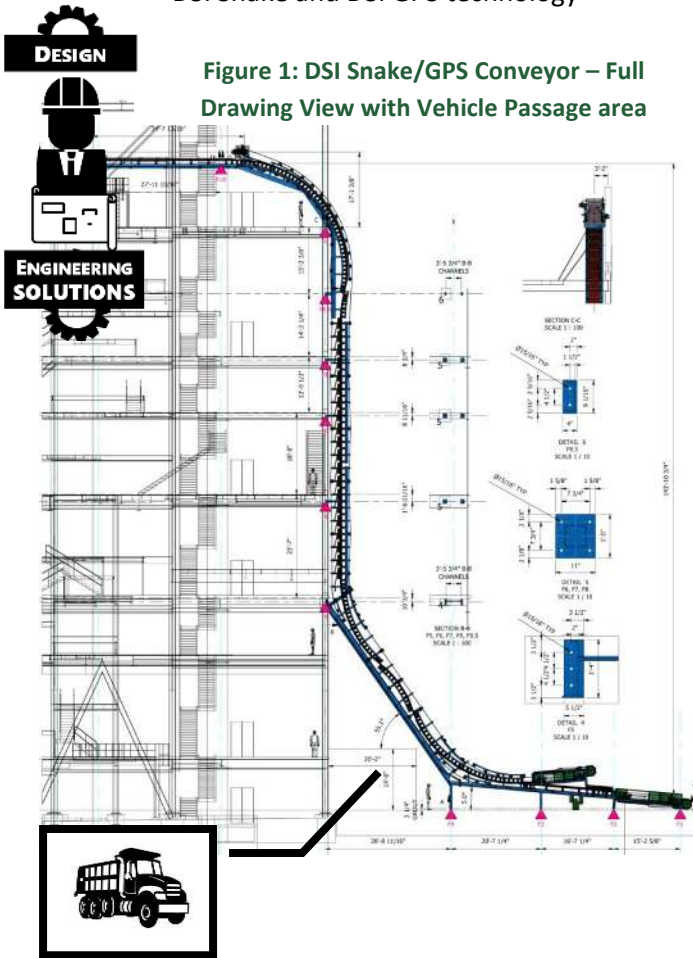


DSI CONVEYOR – CEMENT PLANT

COMBINATION DSI SNAKE/GPS CONVEYOR [W10235]

CHALLENGE: Develop a design to elevate tire chips vertically along a building wall, while providing adequate area for vehicle passage at the base of the structure

SOLUTION: Utilized a combination DSI Sandwich Belt high angle conveyor system exploiting both DSI Snake and DSI GPS technology



A cement plant required vertical elevation of tire chips, an alternative fuel source, 133 feet along the face of a tower, while maintaining secure vehicle access underneath the system.

DSI utilized a combination Sandwich Belt high angle conveyor with both a Snake and a GPS arrangement to achieve the required conveyor profile.



At the base of the unit, DSI designed a 55 degree Snake segment ahead of the vertical GPS section which ran along the side of the building. The 55 degree Snake segment served as a bridge over the vehicle passageway.

The installation's conveying path successfully accommodated the customer's needs and efficiently elevated the material to its destination where it can be used to provide an environmentally preferred fuel to the plant process.

**Figure 2: DSI Snake/GPS Conveyor
Tire Chip 90° Elevation along building**