**Description:** Bucket elevators are among the most common conveyors used for vertically conveying bulk materials. As the buckets are loaded, move through the elevator, and unload, they generate and disperse dust throughout the elevator. Designs outside this worksheet should be noted in comments and/or illustrated in additional sketches.

### Process
- Maximum positive pressure
- Maximum vacuum
- Operating temperature
- Ambient temperature
- $P_{es}$ - enclosure strength
- Enclosure location
  - indoors
  - outdoors
- If indoors - distance to exterior wall

### Combustible material (advise if hybrid)
- Name
- $K_{St}$ (bar*m/sec)
- $P_{max}$ (barg)

### Enclosure
- Tag/I.D. Number
- Manufacturer
- Model Number/Capacity
- a) Head length
- b) Head width
- c) Head height
- d) Spout: opening length & width, distance to branch or enclosure
- e) Pulley diameter
- f) Bucket size: length, width & depth
- g) Bucket spacing
- h) Belt width
- i) Belt speed
- j) Casing style
  - double
  - single
- k) Casing face
- m) Casing inside
- n) Casing height
- o) Boot height
- p) Boot length
- q) Boot width
- r) Feed: opening length & width, distance to branch or enclosure
- Dust pickups: Locate & dia.