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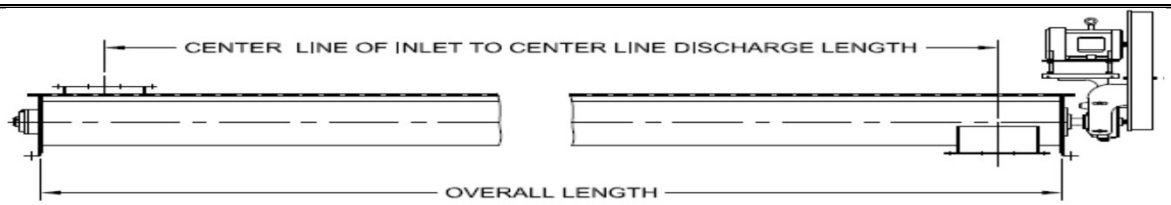
COMPANY NAME: _____ **DATE:** _____

CITY, STATE, ZIP: _____ **EQPT TAG:** _____

CONTACT NAME: _____ **PHONE:** _____

EMAIL ADDRESS: _____ **WEBSITE:** _____

SCREW CONVEYOR DESIGN WORKSHEET



NOTE: Please complete below (7) (*) items as Minimum Required Information to quote.

MINIMUM REQUIRED INFORMATION

*1. MATERIAL NAME: _____ * 2. DENSITY: _____ (lbs/cu.ft.) * 3. DISCHARGE. ☐ cu.ft./hr CAPACITY: _____ ☐ lbs / hr

*4. CONVEYOR QTY: _____ * 5. LENGTH OF CONV.: _____ (foot, inch) (Overall / CL to CL) * 6. ORIENT: _____ (horizontal / inclined)

* 7. CONVEYOR FED BY: _____

MATERIAL DETAILS

(*) MATERIAL NAME: _____ (*) DENSITY: _____ (lbs/cu.ft.) SPECIAL CHARACTERISTICS: _____

PARTICAL SIZE: _____ (Max, inches) LUMP: _____ (%) _____

TEMPERATURE: _____ degrees (F) MOISTURE: _____ (%) _____

GENERAL EQUIPMENT DETAILS

(*) QUANTITY: _____ SCREW DIAMETER: _____ X (*) _____ Conveyor length (FT) ☐ (CL Inlet to Discharge) ☐ (Overall)

(*) ORIENTATION: ☐ HORIZONTAL ☐ INCLINED (Deg): _____ ☐ DECLINED (Deg): _____

(*) CONVEYOR FED BY: _____ (*) DISCHARGE CAPACITY: _____ ☐ cu.ft./hr ☐ lbs / hr

CONVEYOR FEEDS INTO: _____ ☐ CONTROL FED ☐ FLOOD FED (see Feeder Design Worksheet)

MATERIAL OF CONSTRUCTION: _____

FINISH REQUIREMENT (Stainless Steel) : _____

AUGER / SCREW DETAILS

SCREW DIAMETER: _____ ☐ RH ☐ LH PITCH: _____ (inch) FLIGHT THICKNESS: _____

FLIGHTS WELDED : _____ PIPE SIZE: _____ PIPE SCHEDULE: _____ SHAFT SIZE: _____

SHAFT DRILLING: _____ HANGER SIZE: _____ HANGER BEARING: _____

TROUGH DETAILS

TROUGH TYPE : ☐ Angle Flange ☐ Form Flange ☐ U-Trough ☐ Flared ☐ Tubular MAT'L OF CONST. (& THICKNESS) _____

TROUGH LINER: _____ (Material Type) THICKNESS: _____ FITTED TO: _____ (Roll-Line / 1" Above R-L / Top Flange)

TROUGH END (Drive): _____ TROUGH END (Tail): _____ DISCHARGE: _____

TROUGH COVER (Style): _____ COVER THICKNESS: _____ COVER FASTENERS: _____ INLET: _____

COMPONENTS DETAILS

SHAFT BEARING (Drive): _____ SHAFT BEARING (Tail): _____ GASKETING: _____

SHAFT SEAL (Drive): _____ SHAFT SEAL (Tail): _____ OTHER: _____

DRIVE DETAILS

DRIVE LOCATION: ☐ Discharge End ☐ Inlet End

HORSEPOWER: _____ RPM'S: _____ REDUCER: _____

MOTOR: _____ VOLTAGE/PHASE: _____ MOTOR MOUNT: _____

Drive Notes: _____