

## Hydraulic Shear

SPEC # FM-02-23

**1) SCOPE AND CLASSIFICATION**

## a) Scope

- i) It is the intent of this specification to describe the minimum requirements for one (1) Baileigh three phase heavy duty hydraulic shear SH-120500-HD at the Milwaukee County Transit System. All parts, items, or features not specifically mentioned which are necessary, or which are normally furnished to provide a complete unit, shall be furnished by the successful bidder at the bid price and shall conform in strength, quality of materials and workmanship to that usually provided by the engineering practice indicated in this specification. Milwaukee County Transit System shall be referenced to as MCTS here in after.

**2) REQUIREMENTS**

- a) 120'' length for up to 10-foot sheets
- b) Schneider electrical parts
- c) Rexroth hydraulics
- d) NOK seals
- e) Hydraulics located in the front of unit
- f) Squaring arms
- g) Roller infeed tables
- h) Fully programable backgauge accurate to  $\pm 0.01$ mm
- i) Internal memory to hold up to 100 programs
- j) Adjustable blade gap and adjustable rake angle
- k) Standard with shadow line positioner for accurate material placement
- l) Fully welded and integrated steel plate frame
- m) Thickness (mild steel): 0.50''
- n) Max material thickness (stainless steel): 0.250''
- o) Blade Rake Angle: 0.5 to 2.0 degrees
- p) Blade Clearance: manual hand wheel
- q) Back gauge length: 31.5'' motorized
- r) Shear Length: 120''
- s) Motor: 30 HP

Hydraulic Shear

- t) Strokes per minute: 9
- u) Power: 220V / 3-phase
- v) Squaring arm length: 48" (can be used on right or left side, includes 4 bump stops)
- w) Minimum material thickness: 10ga
- x) Lifetime technical support

**3) TEST AND INSPECTION**

- a) Test and inspection
  - i) The vehicle shall be tested and inspected by MCTS to determine if it complies with the specification after delivery.

**4) DELIVERY**

- a) Delivery
  - i) The vehicle shall be delivered F.O.B. destination, freight prepaid to:
    - Milwaukee County Transit System
    - 1525 West Vine Street
    - Milwaukee, WI 53205
  - ii) Delivery shall be made between 7:00 AM and 2:30 PM, Monday through Friday.

**5) NOTES**

- a) Warranty
  - i) The warranty shall be covered under a standard one-year warranty.
- b) Manuals
  - i) Manuals supplied shall be one (1) maintenance/operator/spare parts manuals.
- c) Specific Clarification
  - i) For specific clarification, contact: