

# Downstream Separation

Metal Recovery Solutions Customized to Your Needs



**Riverside Engineering**  
Refining Scrap Metal Recycling

**866.764.7567**  
**megashredder.com**

# FERROUS DOWNSTREAM SYSTEMS

Integrated with the best technologies available, Riverside Engineering develops proprietary Ferrous Downstream Systems that are built to last and customized for your specific application needs.

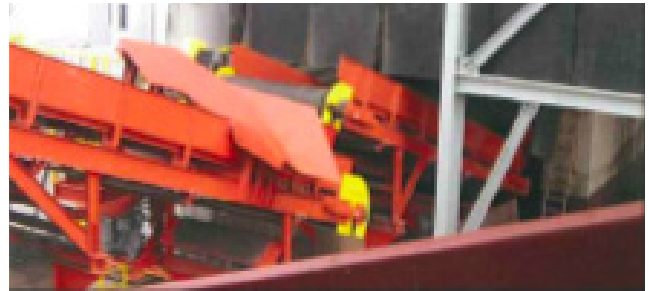


## FERROUS DOWNSTREAM SYSTEMS



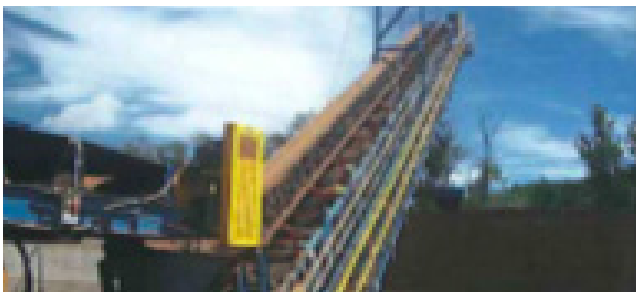
### Magnet Stands and Platforming

- » Heavy steel cross sections
- » Minimal spillage
- » Wide platforms for easier maintenance



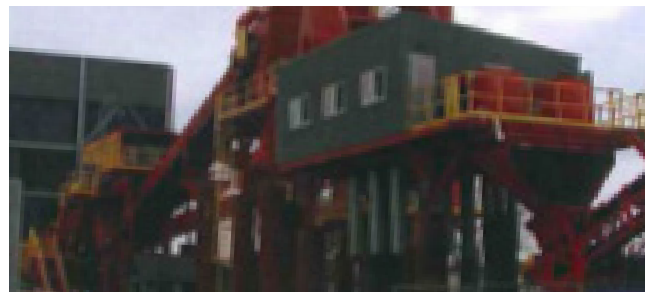
### Poker Pickers

- » Tilting and fixed positions
- » Reduces jams and ripped belts



### Robust Conveying Equipment

- » Designed for minimal spillage and higher recovery rates
- » Sturdy fabrication designed for long life
- » Superior top-grade components, belting and belt scales



### Air Classifier Separation Systems

- » “Closed loop” systems
- » Highly efficient waste removal
- » Designed for easy maintenance

### Picking Houses and Enclosures

- » Special purpose construction

# NON-FERROUS DOWNSTREAM SYSTEMS

Riverside Engineering's Non-Ferrous Downstream Systems use the most advanced separation technologies available, including Eddy Current, Sensor, Optical and X-Ray. Starting with a customized concept layout, our high-quality conveyor, platforming and structural fabrications are uniquely designed for maximum recovery.



# NON-FERROUS DOWNSTREAM SYSTEMS



## Feeders

- » Vibrating pan
- » D-4 track
- » Adjustable flow rates
- » Ranges 2 - 80 TPH



## Affordable Custom-Built Non-Fe Plants

- » Maximum efficiency and recovery
- » Higher purity
- » Maximizing revenue and profit
- » From zorba to copper fines



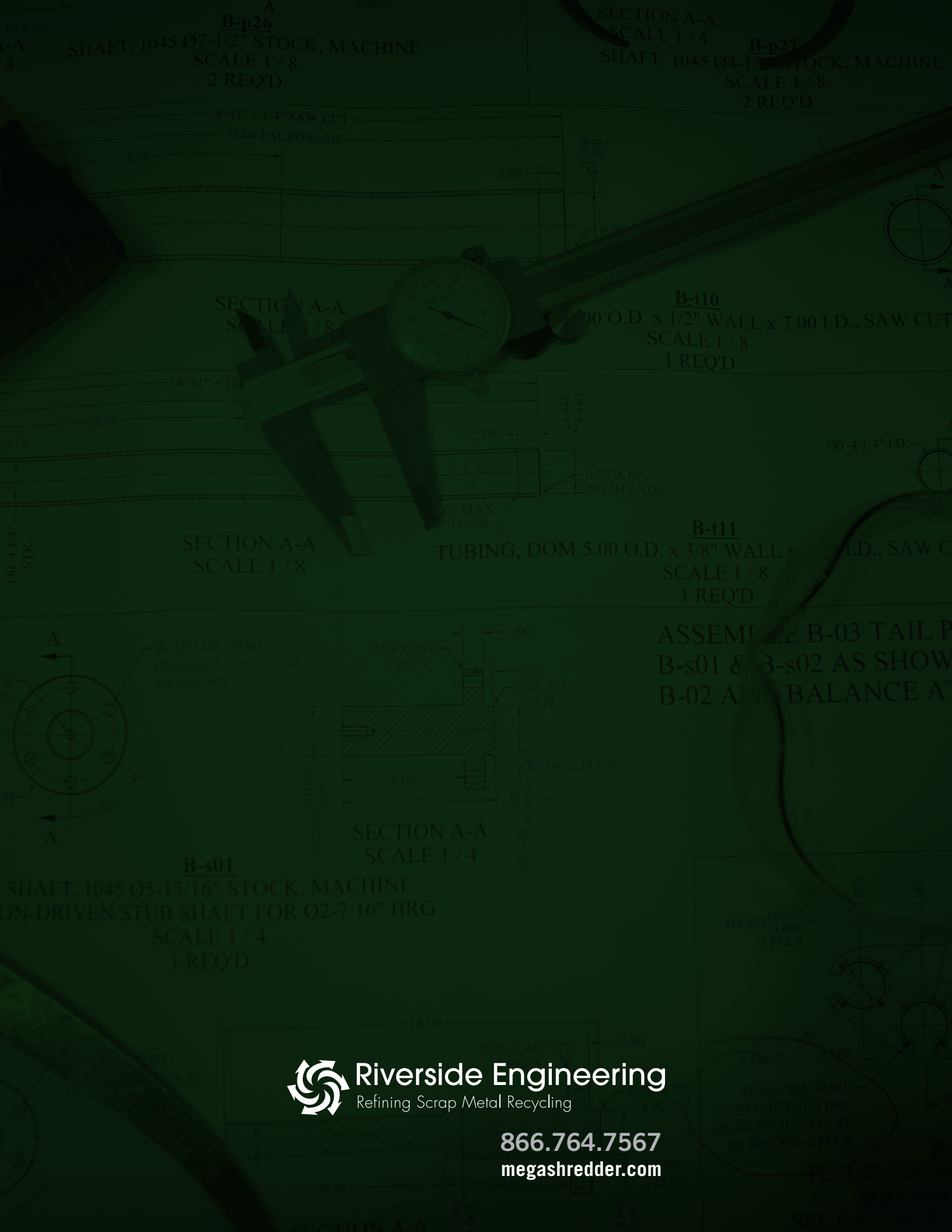
## Sizing Solutions for Optimal Separation

- » Trommels
- » Vibrating Screens
- » Disk Screens



## ASR Debulking for Downstream Efficiency

- » Patented IQASR
- » Other



**B-p26**  
SHAFT, 1045 Ø7-1/2" STOCK, MACHINE  
SCALE 1/8  
2 REQ'D

**B-p27**  
SHAFT, 1045 Ø4-1/2" STOCK, MACHINE  
SCALE 1/8  
2 REQ'D

**SECTION A-A**  
SCALE 1/8

**B-t10**  
Ø6.00 O.D. x 1/2" WALL x 7.00 L.D., SAW CUT  
SCALE 1/8  
1 REQ'D

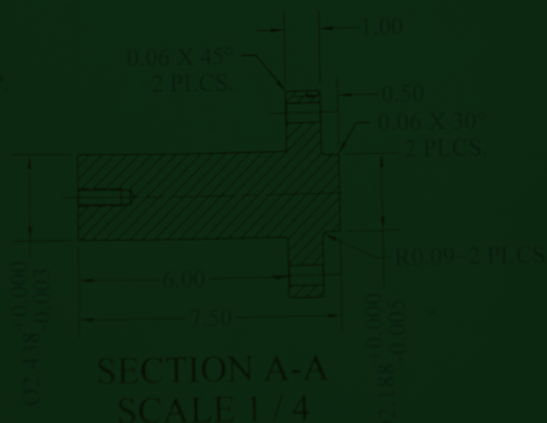
**SECTION A-A**  
SCALE 1/8

**B-t11**  
TUBING, DOM 5.00 O.D. x 3/8" WALL x 7.25 L.D., SAW CUT  
SCALE 1/8  
1 REQ'D

**ASSEMBLY B-03 TAIL P**  
**B-s01 & B-s02 AS SHOW**  
**B-02 AND BALANCE AT**



Ø2-7/16 DR. THRU  
ON Ø4.625 I.D. TO SP.  
AS SHOWN



**SECTION A-A**  
SCALE 1/4

**B-s01**  
SHAFT, 1045 Ø5-15/16" STOCK, MACHINE  
ON-DRIVEN STUB SHAFT FOR Ø2-7/16" BRG  
SCALE 1/4  
1 REQ'D

Ø4.502<sup>+0.002</sup>  
Ø4.500<sup>-0.000</sup>  
2 PLCS



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