October 3, 2013

16th Annual
Ports – to - Plains
Alliance Conference

Wendall Hirschfeld
San Angelo, Texas

Steve Greenslade
Cactus Corner Business Park

Hirschfeld Industries
Industrial Steel Fabrication

Markets:
- Oil & Gas
- Chemical Processing
- Mining and Metals
- Power
Ports-to-Plains Trade Corridor
Texas Plant Locations
San Angelo, TX

Main Plant

Area SF – 151,200

Crane Capacity (Tons) – 15 (Multiple)

Annual Output (Tons) – 12,000

Main Plant is current and certified to CSA Standard W47.1 “Certification of Companies for Fusion Welding of Steel in Division 2.”
Abilene, Texas

Area SF – 136,372
Crane Capacity (Tons) – 25, 15, 10 (Multiple)
Annual Output (Tons) – 17,000

Abilene, TX Plant is CSA Standard W47.1 “Certification of Companies for Fusion Welding of Steel in Division 2.”
Midland, Texas

Area SF – 44,456
Crane Capacity (Tons) – 3, 10 (Multiple)
Annual Output (Tons) – 7,200

*Midland, TX Plant is CSA Standard W47.1 “Certification of Companies for Fusion Welding of Steel in Division 2.”*
Modular Fabrication: 1991-1992

Owner: ARCO
Customer: Parsons (Pasadena, CA)
ASME NQA-1 Skids/Modules

Hanford Nuclear Vitrification Plant
Hanford, Washington
Owner: US Dept. of Energy
Customer: Bechtel
100% Full Penetration welded Modules currently in fabrication (shown at Abilene Plant).
ASME NQA-1 Skids/Modules (cont’d)
Shop-Assembled Skids for Modules

Bakken Shale, North Dakota
Owner: HESS
Customer: Lauren E&C

CRNL Kirby Project – Ft. McMurray, Alberta, Canada
Owner: Southern Pacific Resource Corp.
Customer: Lauren E&C
17 Derricks fabricated to-date. 3 more in 2013 backlog (Metric Weights/Dimensions)
Owner: Daewoo International
Customer: Aker Solutions (Houston, TX)

San Angelo Shop-Assembled (shown above). Knocked-down Steel is then galvanized and delivered to Aker at the Port of Houston. Final destinations include China and S. Korean Assembly Ports.
Las Bambas Copper Mine Peru (18,000 Tons Metric Weight/Dimensions)
Owner: Xstrata Copper
Customer: Bechtel (Santiago, Chile)

Above: Structural Steel and Handrail in Cargo Container Loaded on Ocean Vessel at Port of Houston.

Above: Typical Seismic Column bound for the Port of Houston.
Consteel: Building Information Modeling

- Consteel detailed the derricks addressed and exampled.
- Utilizes TEKLA Structures engineering and detailing software.
- Computer Model can be transferred upstream to Engineers for review/approval.
- Design-Assist for Connection Design and Constructability (minimize Field Man Hours).
- www.consteel.co.uk
Transportation

- Hirschfeld Transportation provides captive outbound delivery services to projects for the contiguous United States
- The company has a commitment to delivering finished goods in a safe and timely manner
- 61 Tractors
- 110 Trailers
- 70-Ton Mijack (Two)
GREENSLADES NORTHERN WELDING
Materials Management

From material purchase, storage, fabrication and shipment, Hirschfeld manages every step of your project along the way.

Each piece of steel is traceable to the original manufacturer’s melt heat throughout the fabrication process.

Hirschfeld’s proprietary material tracking system utilizes bar-coding and allows real-time reporting from purchase to delivery.
Current Alberta Work

Project: MacKay River Phase 1
Owner: Brion Energy Canada / Petro China

Knocked-down structural delivered from San Angelo, TX to Contractor Mod Yard and Project Site.

Miscellaneous metals (ladders, handrail, stairs, grating) subcontracted to Hanna, AB at CWB shop, Greenslade’s Northern Welding.
Cactus Corner Business Park

• Ideal Location
• Direct Access to Alberta Oil Sands
• via Highway 36
• Highway 36 offers
• Less Traffic
• High and Wide Load corridor
• Proposed location of future modular assembly yard
• Approximately 5km from Hanna, AB
Concrete Plant at CCBP
For foundations for Electrical Towers (ATCO Electric)
Ample Growth Opportunity

- ~300 acres zoned for Industrial use
- 1500+ continuous acres available

Available For Additional Development

Zoned for Industrial Development Phases 1 - 7
Thank you to Ports – to – Plains

For Facilitating
Hirschfeld and
Greenslade
Introduction