

KEMESS MINES SOUTH CRUSHER WALL
Welded Wire Retaining Wall

Between Prince George and Dease Lake, B.C., Canada
 Owner: Royal Oak Mines, Inc. Owner's Rep: Kilborn Engr. Pacific Ltd.
 Designed by: MacIntosh Engineering and Development Co.
 Contractor: Western Versatile Construction Corporation
 July 1997 Max. Height 104 Ft. 28,342 Sq. Ft. Wall Face



HILFIKER RETAINING WALLS

P.O. Box 2012 Eureka, CA - 95502-2012
 Phone (707)443-5093 Fax (707)443-2891
 Toll Free (800)762-8962 email info@hilfiker.com





KEMESS MINES SOUTH PROJECT
Currently the Tallest MSE Wall in the World (104')
Welded Wire Retaining Wall

Northern British Columbia, Canada Owner: Royal Oak Mines, Inc.
 Design Load: CAT 793 Haul Truck with Loaded Weight of 830,000 LB.
 Engineer: MacIntosh Engineering & Development Contractor: Western Versatile Cosntruction Co.
 July 1997 28,342 Sq. Ft.



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LEONA QUARRY, OAKLAND, CALIFORNIA

Owner: Gallagher & Burke

18" LIFT WELDED WIRE CRUSHER WALLS

Constructed by McGuire & Hester

Engineer: SHN & Associates

Winter 1990 4356 Sq. Ft.

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BINGHAM CANYON TRUCK DUMP RELOAD

Welded Wire Retaining Wall

Owner: Kennecott Utah Copper

Designed by: Geotechnical Design Services, Inc.

Prime Contractor/Wall Builder: Frehner Construction, Inc.

Secondary Contractor/Earthwork: W.W. Clyde Construction

December 1999 Max Height 126 Feet 97,344 Sq. Ft. Wall Face (2 Walls)



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COLLAHUASI COPPER MINE

Welded Wire Retaining Wall

Iquique, Chile, South America

Owner: Cia-Minera Dona Ines de Collahuasi SCM

Owner's Rep: Bechtel-Davy

Designed by: MacIntosh Engineering and Development Co.

On-Site Construction Manager: EarthTech

April 1997 Max. Height 66 Feet 35,008 Sq. Ft Wall Face



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ESCONDIDA OXIDE LEACH PROJECT

Welded Wire Retaining Wall

Near Antofagasta, Chile, South America

Owner: Minera Escondida Ltd. Owner's Rep: Fluor Daniel Chile

Designed by: MacIntosh Engineering and Development Co.

Construction Superintendent: EarthTech West Ltd.

August 1997

Max. Height 27.5 Meters (90 Feet) 1,739 Sq. Meters (18,720 Sq. Ft.)



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HILFIKER RETAINING WALLS





RUBY HILL MINE, PRIMARY CRUSHER & RECLAIM WALLS

Welded Wire Retaining Wall, 24" Lifts Eureka, Nevada

Owner: Homestake Mining Company — Owner's Rep: Kilborn Int'l, Inc.

Contractor: LedCor Industries, Inc.

Wall Design by: MacIntosh Engineering & Development Co.

12,960 Sq. Ft.

Maximum Wall Height: 54 feet

Feb. 1997



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RED DOG PRODUCTION INCREASE

Welded Wire Retaining Wall, 24" Lifts

Red Dog Mine, Kotzebue, Alaska

Owner: Cominco Alaska, Inc. Contractor: Owner Crew

Owner's Rep: HA Simons Mining Group Engineer: MacIntosh Engineering

Wall Construction Consultant: Tom Meehan, EarthTech Construction

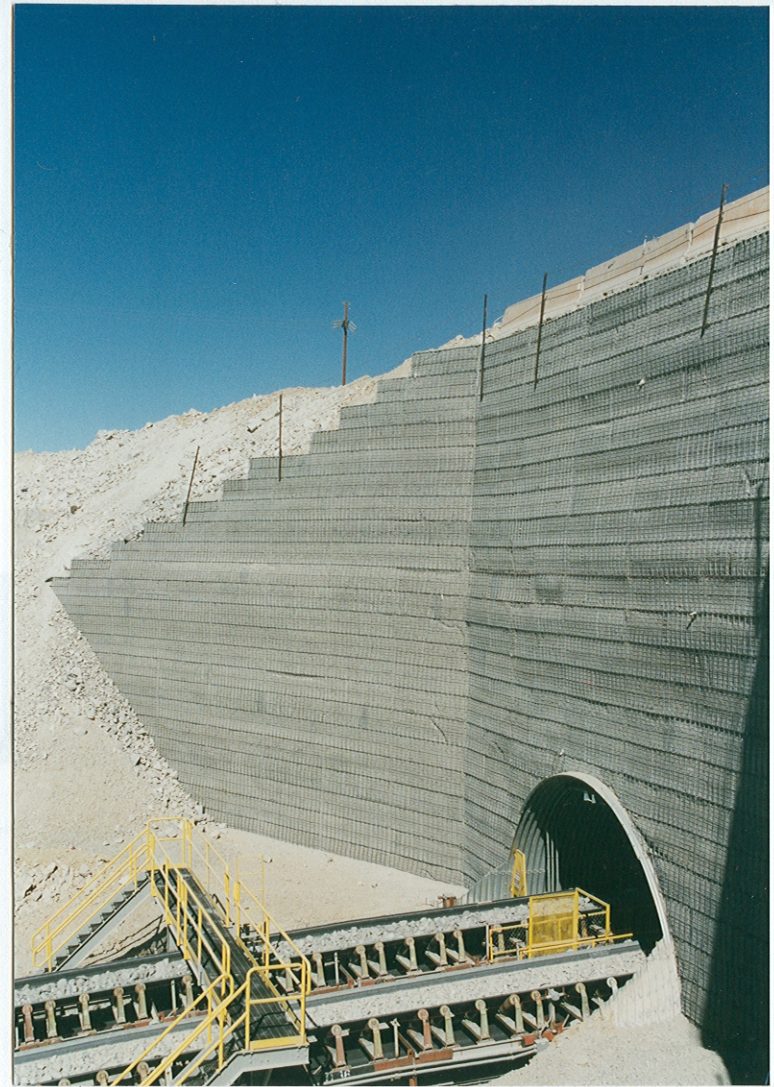
June 1996 Max. Height: 71 Feet 22,720 Sq. Ft. Wall Face



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CYPRUS SIERRITA - CMP TUNNEL

Welded Wire Retaining Wall

Green Valley, Pima County, Arizona

Owner: Cyprus Sierrita Corporation

Wall Design: MacIntosh Engineering & Development

Contractor: Granite Construction Company

October 1997

11,168 Sq. Ft., Two Walls



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SINCE
1902
QUALITY PRODUCTS



DOWE FLATS QUARRY TRUCK DUMP
WELDED WIRE WALL - 24" Lifts
Lyons, Boulder Co., Colorado

Owner: Southwestern Portland Cement Co. - Engineer: GDS
 Contractor: Lane Erectors, Inc. Wall Builder: EarthTech
 9360 Sq. Ft. Maximum Wall Height: 54 feet November 1996

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INCO INDONESIA PORGERA PROJECT

Container Being Loaded in Hilfiker Yard for Ocean Transport

WELDED WIRE RETAINING WALL (3,920 Sq. Ft.)

Owner: PT International Nickel Co.

Owner's Rep: HA Simons Ltd. - Contractor: PT Petrosea

Wall Designed by: MacIntosh Engineering and Development

September 1995



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