



## LARRY D. THORBJORNSON

### Professional Summary:

Mr. Thorbjornson is the Senior NDT Inspector for and Owner of INSPEX NDT. As of 1995, his 20 years of varied experience in Non-destructive Testing (NDT) includes specialties in ultrasonic, magnetic particle, and visual inspections as well as bolt tension verification and sprayed-on fireproofing testing. Standard codes utilized in inspections include AWS, AISC, ASNT, UBC, ASME, and API as well as owner, architectural, and engineering specifications. Inspex NDT project experience includes Harvey's Wagon Wheel Casino, Elitches Total Tower, UNC Student Recreation Center, Fitzsimmon's Life Safety Upgrade, Kaiser Permanente Clinic and Offices, StorageTek Central Utilities Plant, as well as 13 public school additions, 6 Walgreens, and various Home Express, Office Depot, Blockbuster Video, 1/2 Price, Best Buy, Safeway, King Soopers, Builder's Square, Mann Theaters, and Circuit City facilities.

### Previous Experience:

Mr. Thorbjornson served as lead inspector on such projects as DIA Concourse A Phase II, the United Bank Center, the Denver Center for the Performing Arts, and the Chevron World Headquarters Complex. He was in charge of all steel inspections, both shop and field, for the FAA's Tracon Facility at the New Denver International Airport as well as the Fargodome Special Events Center in Fargo, ND. Services included inspection of CIP concrete to steel anchorages and seated members and steel decking and roofing systems.

Other projects include: Mile High Stadium Stands Expansions; Coors Field; DIA Access Control Plaza and Parking Garage Expansion; Johns/Manville World Headquarters; Downtown Marriott; Pawnee Power Plant-Brush, CO; Mall of America-Bloomington, MN; Pentagon Fashion Centre Mall-Washington, D.C.; Rochester International Airport-Rochester, NY.

Larry's NDT experience also includes two years with Halkin Services, Inc.(1989 & 1990) extensively involved in the testing and inspection of wire rope and structural strand as utilized in a wide variety of applications such as refinery flare stack guy lines, mine service and production hoist ropes, aerial tramway lock coil track ropes, and various amusement park ride cable applications. Project experience included the Resurrection Bay Ship Hoist in Seward, AK; Waste Isolation Pilot Plant (WIPP) outside Carlsbad, NM; Stone Mountain Aerial Tramway in Stone Mountain, GA; Franconia Notch Aerial Tramway in Vermont.

### Education and Certifications:

Through independent study and in-house training programs, Mr. Thorbjornson has obtained the following certifications:

- AWS/CWI #82122701
- ASNT Level II: VT, UT, MT, PT
- Halkin WRT Level II

The above certifications are further augmented with seven years college experience at Colorado State University and the University of Colorado including course work in physics, technical drawing, and business and industrial construction management.

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Project Experience Portfolio:

In addition to structural steel and fireproofing inspection experience previously listed, Mr. Thorbjornson has provided specialized services as noted on the following projects:

Mall of America-Bloomington, MN--

Floor Covering Consultant: Observation and troubleshooting in the placement of floor leveling compounds and the subsequent placement of tile, carpet, terrazzo, sheet vinyl, and epoxy based floor paints; evaluation of poured in place concrete slab failure to determine need and method of repair; Architectural consultation to resolve discrepancies in decorative tile and terrazzo patterns; destructive testing of in-place tile to determine mortar bond strength as placed.

Pentagon Fashion Centre Mall-Washington, D.C.--

Floor Covering Consultant: Evaluation and mapping of in-place tile floors to determine areas needing replacement; observation of removal of original tile and leveling compounds and replacement of same.

Rochester International Airport-Rochester, NY--

Floor Covering Consultant: As Fashion Centre Mall noted above.

U. S. Geological Survey--

Inspection and testing of waterway gauging stations including structural evaluation of station support towers (wood and steel), inspection of man-cars and cable to ground anchorages, and magnographic testing of waterway span cables.

Hershey's Chocolate Distribution Facility-Ontario, CA--

Evaluation of in-place concrete floor slab to determine causes of observed failure including core sampling of slab for strength testing and load testing of slab sections to determine stability of structural fill beneath.

Denver International Airport-Denver, CO--

Holiday testing of epoxy coating on fire protection system water supply lines for the Parking Garage Structures including field sealing of field welded joints and connections to city supply lines.

New Mexico State Highway Department of Transportation--

Inspection and testing of epoxy coated rebar including bond, flexibility, thickness, bar preheat, and bar cleaning testing.

Digital Equipment Manufacturing Facility-Colorado Springs, CO--

Inspection of multi-layer, moisture barrier roofing system including verification of structural deck sealing, anchorage of properly patterned insulation layers, and heat welding of exterior moisture barrier membrane seams.

Additional materials testing and inspection method experience includes:

M-Scope location of structural reinforcing, water lines, and electrical chases and conduit in poured-in-place concrete and CMU structures.

Inspection of installation of structural wood joist systems.

Inspection of structural C-Stud installation and welding.

Inspection of fabrication and installation of pre-cast and stone fascia systems.

Proof-load testing of as-placed drilled inserts.

Inspection and testing of powder actuated fasteners utilized in structural deck installation.

Inspection and testing of structural building members and water tank panels to determine base metal loss due to corrosion.

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Additional Project Experience:

Denver International Airport--  
Concourse C  
Airport Office Building  
Terminal Radar Approach Facility  
Fire Stations  
Enterprise Car Rental  
Dollar Rent-A-Car  
FedEx Freight Handling Facility  
Miramont Tennis & Fitness Center, Ft. Collins, CO  
Kodak Film Emulsion Facility, Windsor, CO  
1st Choice Bank, Ft. Collins, CO  
East Horsetooth Professional Building, Ft. Collins, CO  
C. U. Field House, Boulder, CO  
Frasier Gateway Warehouse, Aurora, CO  
Blackhawk Fire Station, Blackhawk, CO  
Western Auto, Northglenn, CO  
Firststate Bank, Northglenn, CO  
Denver Art Museum  
Arena Office Building, Ft. Collins, CO  
RR Donnelley Norwest, Greeley, CO  
Eagle Hardware, Arvada, CO  
Nordstrom's, Englewood, CO  
Baker Instrument, Ft. Collins, CO  
Park Meadows Shopping Center, Englewood, CO  
Monarch Shower Door, Denver, CO  
Pine Valley Park Manager's Residence, Pine Valley, CO  
5.5 Grant Retail Center, Denver, CO  
Gunter Hall Renovation @ the University of Northern Colorado, Greeley, CO  
Wal-Mart, Highlands Ranch, CO  
Wardenburg Hall Addition @ the University of Colorado, Boulder, CO  
Firestone Auto Service Center, Aurora, Co  
Federal Center Cooling Tower, Lakewood, CO  
K-Mart Garden Center, Aurora, CO  
Valley Plaza Shopping Center, Aurora, CO  
Trautman Place Library, Ft. Collins, CO  
Stadium Lofts, Denver, CO  
Children's Hospital Addition, Denver, CO  
FAA Long Range Radar Facility, Parker, CO  
Security Bank, Sidney, NE  
SW Commons Shopping Center, Littleton, CO  
National Renewable Energy Laboratory, Golden, CO  
Gilpin Hotel/Pic-A-Dilly Casino Connector, Blackhawk, CO  
Lucky Penny Casino, Blackhawk, CO  
Kumar & Associates Office Building, Denver, CO  
Cub Foods, Glendale, CO  
Jeppsen/Sanderson Aviation, Englewood, CO  
Jeffco Shops, Littleton, CO

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# American Welding Society



*Certifies that Welding Inspector*  
**Larry D. Thorbjornson**

*has complied with the requirements of Section 6.1  
of the AWS Standard for Qualification and  
Certification of Welding Inspectors QC1-96*

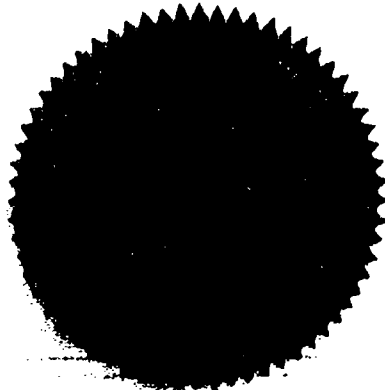
82122701

CERTIFICATE NUMBER

December 1997

VALID DATE

REMOVED WHEN TO WAGER CARD FOR  
ISSUE AND RENEWAL DATE



*Bob Pierce*

PRESIDENT AWS

*Richard D. Mann*

CHAIRMAN QUALIFICATION COMMITTEE

*John E. ...*

CHAIRMAN CERTIFICATION COMMITTEE

Be it known that

# *Larry Thorbjornson*

has successfully completed all training requirements  
and passed the required examinations as referenced by

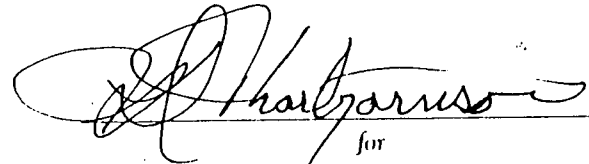
*ASNT for Liquid Penetrant - Level II*

In witness whereof, we have hereunto affixed our signatures at Denver, Co.

This 27th day of June, 19 94



for  
Karlín and Associates



for  
Inspex NDT

Be it known that

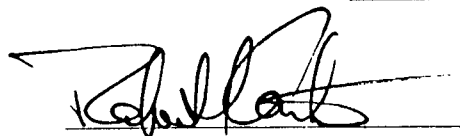
# *Larry Thorbjornson*

has successfully completed all training requirements  
and passed the required examinations as referenced by

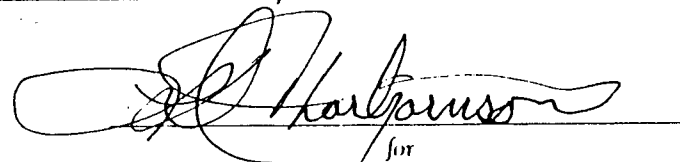
*ASNT for Magnetic Particle - Level II*

In witness whereof, we have hereunto affixed our signatures at Denver, Co.

This 27th day of June, 19 94



for  
Karlín and Associates



for  
InspeX NDT

Be it known that

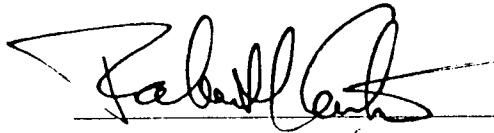
# *Larry Thorbjornson*

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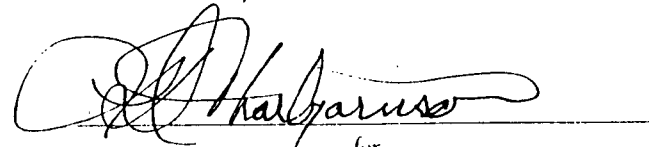
*ASNT for Ultrasonics - Level II*

In witness whereof, we have hereunto affixed our signatures at Denver, Co.

This 27th day of June, 19 94



for  
Karlín and Associates



for  
Inspex NDT

Post-It™ Fax Note 7671		Date 3/8	# of pages 2
To H. H. Johnson	From Larry T.		
Co./Dept. Terison	Co.		
Phone #	Phone #		
Fax # 970 484 0454	Fax #		



# American Welding Society

*Certifies That*  
**WELDING INSPECTOR**

**Larry D. Thorbjornson**

Has complied with the requirements of Section 6.1 of the AWS Standard for  
Qualification and Certification of Welding Inspectors, QC1-96

with \_\_\_\_\_ eye correction, \_\_\_\_\_ color blind

*[Signature]*  
AWS Certified Chair



**82122791**  
Certificate Number  
**December 2000**  
Recertify by