PLAINTIFF'S EXHIBIT AL-881

ACandS SEATTLE OFFICE

WASHINGTON CONTRACTORS LICENSE NO. AC-S**1*372 MT

7509 SOUTH 228th STREET • KENT, WASHINGTON 98032 • TEL: (206) 859-1073 • FAX: (206) 854-1436

June 12, 1992

Aluminum Company of America
2070 Alcoa Building
Pittsburgh, PA 15219

RECEIVED
JUN 18 1992

Attention: R. E. Yester

Subject: Proposal Clarifications
Requisition No. 861337WM
Asbestos Abatement Project
Wenatchee, Washington
AC and S Proposal No. SI-0692-06

Gentlemen:

This will confirm our telephone conversation of 06/10/92 in response to your Fax of 06/10/92.

The reason for our "No Quote" on Bid Item No. 1 active (hot) and Bid Item No. 2 Active (hot) is as follows:

BID ITEM NO. 1 - with only a 2-hour window to perform the work in this area, we feel that it is physically impossible to perform the removal work within the state and federal guidelines while this piping is hot and active.

The piping being hot will eliminate the use of glove bags thus requiring the work to be performed within a negative air enclosure. Two hours is not enough of a window to erect an enclosure, perform gross removal, clean the enclosure, receive a clearance, and dismantle the enclosure.

BID ITEM NO. 2 - As with Bid Item No. 1, the piping being hot will eliminate the use of glove bags, thus requiring the work to be performed within a negative air enclosure.

Due to the location of this work, the movement of heavy equipment with open ladels of molten metal, and lack of clear vision of toth your equipment operator and our employees who are working within a negative air enclosure; we have concerns with maintaining employee safety in this area and therefore "No Quote" this bid item.

If you have any further questions or concerns and we may be of further assistance, please do not hesitate to contact me at our Kent, Washington office.

Sincerely,

AC and S, Inc.

John K. Konkle

JKK/sg

cc: Robert D. Huber - Wenatchee
Marlene A. Spiegel - Pittsburgh

Safety OK

ACandS SEATTLE OFFICE

WASHINGTON CONTRACTORS LICENSE NO AC-S**1*372 MT

7509 SOUTH 228th STREET • KENT, WASHINGTON 98032 • TEL: (206) 859-1073 • FAX: (206) 854-1436

June 3, 1992

The Aluminum Company of America
2070 ALCOA Building
Pittsburgh, PA 15219

Attention: R. E. Yester

RECEIVED
JUN 04 1992

Subject: Requisition No. 861337WM
Asbestos Abatement Project
Wenatchee, Washington
AC and S Proposal No. SI-0692-06

Gentlemen:

We are indeed pleased to submit our proposal to furnish all labor, materials, disposables, equipment, supervision, and miscellaneous items of expense necessary to properly remove asbestos containing insulation and to reinsulate those systems designated to reinsulate.

Our proposal is in accordance with your Invitation to Bid No. 861337WN dated 05/15/92 and Addendum No. 1 dated 05/20/92 as may be further clarified herein.

Incorporated in Delaware in 1969, AC and S, Inc. is a national specialty contracting firm with 42 offices nation wide with our headquarters located in Lancaster, Pennsylvania. The following addresses should be used for all correspondence.

Project Correspondence: AC and S, Inc.
7509 S. 228th St.
Kent, WA 98032
Attn: John K. Konkle

Project Payments: AC and S, Inc.
P.O. Box 8500-S-6835
Phildelphia, PA 19178
Attn: Accounts Payable

For your review, the following documents, which you requested, are attached hereto:

A. Project Price Breakdown (as amended)

B. Sample Insurance Certificate

468346 0927

B. (continued)

1. Upon award of this project, AC and S, Inc. will furnish to ALCOA an insurance certificate that names ALCOA as an additional insured with the exception of workmen's compensation.

C. Sample insurance certificate for asbestos work liability coverage.

D. Sample letter explaining the AC and S, Inc. Self-Insured Asbestos Insurance Policy.

E. Completed copy of ALCOA Engineering Standard 33.0551, "Safety and Health Evaluation of Outside Contractors and Subcontractors" dated January 1988.

F. AC and S, Inc. Work Plan for this project.

G. AC and S, Inc. schedule for this project.

PROJECT CLARIFICATIONS:

A. AC and S, Inc. will double bag, seal, identify, and place asbestos into dumpster or truck furnished by ALCOA. AC and S will notify and ALCOA will dispose of all asbestos contaminated materials. (Agreed on at pre-bid meeting).

B. ALCOA will furnish, at no cost to AC and S, a flagman for all work in south passageway. (Agreed to at pre-bid meeting).

C. A .020 PVC jacket finish will be applied to all pipe insulation installed by AC and S on this project whether inside or outside of the building. (Agreed on at pre-bid meeting).

D. The overhead crane in the central passageway will be locked out for two (2) hours at a time for AC and S to work from to access high bay pot line piping. (Agreed to at pre-bid meeting).

E. The overhead crane in the rodding room will be locked out and de-energized for scaffold erection or manlift

PROJECT CLARIFICATIONS: (continued)

E. (continued)
equipment access to the piping. This will take place at 3:30 p.m. Monday through Friday and will be re-energized at 7:00 a.m. Monday through Friday. (Discussed and agreed to during the pre-bid meeting).

F. The electrical service to the homogenizing furnaces will be cut at the edge of the furnace and the electrical cable into each motor will be cut. This work will be performed by others at no cost to AC and S or its subcontractors.

G. We exclude from our work scope any removal of lead contaminated material, hazardous liquids, or any other hazardous waste other than asbestos.

H. It is understood that the roofing contractor is responsible for removal of the metal roof flashings.

I. Cold piping will be insulated with fiberglass pipe insulation.

1-1/2" - 2" IPS	1" Thick
2-1/2" & larger	1-1/2" Thick

J. AC and S assumes there is no presence of expanded metal lath or metal mesh in the insulation or refractory materials of the homogenizing furnaces. Our price is based on this assumption.

K. We propose to subcontract the following work scope:

1. Demolition of furnaces.

2. Scaffold requirements.

3. Cassette analysis and air monitoring if the rodding room work is performed hot.

L. We submit for your review and acceptance an unsolicited deduct for deleting the requirement of purchased asbestos liability insurance. In lieu of the purchased liability insurance, we offer our self insured asbestos liability insurance program as explained in the enclosed letter from James E. Hipolit.

Deduct.....$11,438 (cold)

Deduct.....$16,312 (hot)

June 3, 1992

PROJECT PRICE:

Please refer to Price Breakdown attached hereto.

PAYMENT TERMS:

Monthly progress invoicing; 100% of all materials delivered and labor expended during the invoice period to be paid net 30 days from date of invoice.

We appreciate the opportunity of furnishing this proposal and indeed look forward to possibly assisting you on this project.

This proposal is for acceptance within ten days and is subject to the conditions on the reverse side of this page.

Price As indicated in the Price Breakdown.

Terms As indicated above.

Accepted _____, 19___

_____
Purchaser

By _____

Submitted
By: _____
John K. Konkle
AC and S, Inc.

Approved
By: _____
District Manager

Date _____, 19___

AC and S Proposal No. SI-0692-06

*See attd for info

PRICE BREAKDOWN

	LUMP SUM	UNIT RATE ADDED WORK	UNIT RATE DELETE WORK
1. Potrooms Central Passageway			
Asbestos Removal			
Active (hot)	* $ No Quote	$ No Quote	$ No Quote
Non-Active (cold)	$ 31,055	$ 13.50/lf	$ 9.62/lf
Re-Insulation	$ 31,704	$ 13.79/lf	$ 10.48/lf
2. Potrooms South Passageway			
Asbestos Removal			
Active (hot)	* $ No Quote	$ No Quote	$ No Quote
Non-Active (cold)	$ 26,053	$ 10.43/lf	$ 7.28/lf
Re-Insulation	$ 27,757	$ 11.05/lf	$ 8.40/lf
3. Homogenizing Furnaces - Ingot Plant			
Decontaminate (Asbestos Removal)	$ 106,378		
Complete Demolish and Removal	$ 161,578		
4. Rodding Room (Building 32)			
Asbestos Removal			
Active (hot)	$ 108,412	$ 56.52/lf	$39.48/lf
Non-Active (cold)	$ 29,630	$ 15.87/lf	$11.08/lf
Re-Insulation	$ 29,657	$ 15.80/lf	$12.01/lf
5. Boiler House (Building 66)			
Asbestos Removal			
Active (hot)	$ 8,171	$ 75.66/lf	$53.89/lf
Non-Active (cold)	$ 3,834	$ 37.83/lf	$26.94/lf
Re-Insulation	$ 1,344	$ 13.27/lf	$ 10.08/lf
6. Roof Curb (Building 49)	$ 3,436	$ 7.04/lf	$ 5.02/lf

(continued next page)

AC and S Proposal No. SI-0692-06

	LUMP SUM	
Total Cold Price excluding furnace demolition	$ 290,848	plus WSST
Total Hot Price excluding furnace demolition	$ 373,967	plus WSST
Total Cold Price including furnace demolition	$ 346,048	plus WSST
Total Hot Price including furnace demolition	$ 429,167	plus WSST

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

PRODUCER
JOHNSON & HIGGINS

TWO LOGAN SQUARE
PHILADELPHIA, PA 19103-2797

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
ACandS, Inc.
120 N. Lime Street
Lancaster PA 17603

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A	NATIONAL UNION FIRE INSURANCE
COMPANY LETTER B	AMERICAN HOME ASSURANCE CO
COMPANY LETTER C	INS CO OF THE STATE OF PA
COMPANY LETTER D	LANDMARK INSURANCE CO
COMPANY LETTER E	

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY					
A	[X] COMMERCIAL GENERAL LIABILITY	RMGL3259030	4/01/92	4/01/93	GENERAL AGGREGATE	$ 5,000,000
	[ ] CLAIMS MADE [X] OCCUR.	RMGL3259031	4/01/92	4/01/93	PRODUCTS-COMP/OP AGG.	$ 5,000,000
	[ ] OWNER'S & CONTRACTOR'S PROT.				PERSONAL & ADV. INJURY	$ 3,000,000
					EACH OCCURRENCE	$ 3,000,000
					FIRE DAMAGE (Any one fire)	$ 500,000
					MED EXPENSE(Any one person)	$ 1,000
A	AUTOMOBILE LIABILITY					
A	[X] ANY AUTO	RMCA1428509	4/01/92	4/01/93	COMBINED SINGLE LIMIT	$ 2,000,000
A	[ ] ALL OWNED AUTOS	RMCA1428508	4/01/92	4/01/93		
	[ ] SCHEDULED AUTOS	RMCA1428507	4/01/92	4/01/93	BODILY INJURY (Per person)	$
	[ ] HIRED AUTOS				BODILY INJURY (Per accident)	$
	[ ] NON-OWNED AUTOS					
	[ ] GARAGE LIABILITY				PROPERTY DAMAGE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$
	[ ] UMBRELLA FORM				AGGREGATE	$
	[ ] OTHER THAN UMBRELLA FORM					
B	WORKER'S COMPENSATION	RMWC1235241	4/01/92	4/01/93	STATUTORY LIMITS	
C	AND	RMWC1235244	4/01/92	4/01/93	EACH ACCIDENT	$ 3,000,000
A	EMPLOYERS' LIABILITY	RMWC1235243	4/01/92	4/01/93	DISEASE-POLICY LIMIT	$ 3,000,000
A		RMWC1235240	4/01/92	4/01/93	DISEASE-EACH EMPLOYEE	$ 3,000,000
D	OTHER	RMWC1235242	4/01/92	4/01/93	$3,000,000 EA ACC $3,000,000 POL LIM $3,000,000 EA EMP	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / SPECIAL ITEMS

468346 0934

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Michael J Gunn

HOLDER COPY

CERTIFICATE NO. 000201-00002

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY) 3/3/92

PRODUCER

Johnson & Higgins Of Pa., Inc.
Two Logan Square
Philadelphia, Pa 19103-2797

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

ACandS, Inc.
120 North Lime Street
Lancaster, PA 17603

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A — Fidelity Environmental Insurance Co.
COMPANY LETTER B
COMPANY LETTER C
COMPANY LETTER D
COMPANY LETTER E

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	GENERAL LIABILITY				GENERAL AGGREGATE	$ 1,000,
A	X COMMERCIAL GENERAL LIABILITY	ARC923900889	2/17/92	2/17/93	PRODUCTS-COMP/OP AGG.	$ 1,000,
	CLAIMS MADE X OCCUR.				PERSONAL & ADV. INJURY	$ 1,000,
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE	$ 1,000,
					FIRE DAMAGE (Any one fire)	$ EXCL.
					MED. EXPENSE (Any one person)	$ 5
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT	$
	ANY AUTO					
	ALL OWNED AUTOS	For Bid Purposes			BODILY INJURY (Per person)	$
	SCHEDULED AUTOS					
	HIRED AUTOS				BODILY INJURY (Per accident)	$
	NON-OWNED AUTOS					
	GARAGE LIABILITY				PROPERTY DAMAGE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$
	UMBRELLA FORM				AGGREGATE	$
	OTHER THAN UMBRELLA FORM					
	WORKER'S COMPENSATION				STATUTORY LIMIT	
	AND				EACH ACCIDENT	$
	EMPLOYERS' LIABILITY				DISEASE—POLICY LIMIT	$
					DISEASE—EACH EMPLOYEE	$
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Asbestos abatement operations performed by the above named insured.

468346 0935

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE Michael F. Guerin

FIDELITY ENVIRONMENTAL INSURANCE COMPANY
105 CAMPUS DRIVE - UNIVERSITY SQUARE
PRINCETON, N.J. 08543-7006

ASBESTOS ABATEMENT LIABILITY POLICY DECLARATIONS
(ANNUAL POLICY)

Policy Number: ARC913900666

Name and Address of Insured:

PA00128
Irex Corporation
120 North Lime Street
Lancaster, PA 17603

Producer - Name and Address:

AG061
Johnson & Higgins
Two Logan Square
Philadelphia, PA 19103-2797

The Named Insured Is: Individual Corporation x Partnership
Joint Venture Other:

Policy Period: From: 2/17/91 To: 2/17/92 12:01 A.M. STANDARD TIME AT LOCATION OF YOUR MAILING ADDRESS SHOWN ABOVE.

IN RETURN FOR THE PAYMENT OF THE PREMIUM AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

Limits of Insurance:

BODILY INJURY LIABILITY AND PROPERTY DAMAGE LIABILITY COMBINED:

GENERAL AGGREGATE LIMIT	$1,000,000
EACH OCCURRENCE LIMIT	$1,000,000
FIRE DAMAGE LIMIT	EXCLUDED ANY ONE FIRE
MEDICAL EXPENSE LIMIT	$ 5,000 ANY ONE PERSON

DEDUCTIBLE (BODILY INJURY AND PROPERTY DAMAGE LIABILITY COMBINED) $5,000 PER CLAIM

ACandS

120 NORTH LIME STREET • P.O. BOX 1548 • LANCASTER PA 17603 • TEL. (717) 397-3631 • FAX (717) 393-3872

June 2, 1992

Aluminum Co. of America
2070 Alcoa Building
Pittsburgh, PA 15219

Attn: Mr. R. E. Yester

Dear Sir/Madam:

Subject: ACandS, Inc. Insurance Coverage

I am writing to discuss with you ACandS's self insurance of liability risks arising from asbestos. As I am sure you know, because of the large number of lawsuits for asbestos-related diseases resulting from occupational exposures during the 40's, 50's and 60's, insurers have become very reluctant to provide coverage for any asbestos risk. Because of this, ACandS, along with virtually all of its competitors, has experienced difficulty in purchasing effective liability insurance coverage for asbestos claims at a reasonable price.

Much of the coverage for asbestos risks is now sold on a claims made basis. Claims made coverage is virtually worthless for asbestos risks since such coverage is terminable by the insurer if claims are not made within the current year. Because of the long latency of asbestos-related diseases, any asbestos claim will show up only years after claims made coverage has been cancelled. Insurers are selling this form to avoid the possibility that current policies will be interpreted to provide coverage for asbestos claims arising from exposures during the era when manufacturers routinely incorporated asbestos in their insulation products. More recently, a few insurers began offering coverage on an occurrence form, the form which should be used for asbestos risks. This occurrence form coverage, however, is sold on highly restrictive forms, with exclusions that eliminate most common claim situations from coverage. Much of the occurrence form coverage also continues to be sold by thinly capitalized start-ups or risk retention groups, or is sold with a sunset clause which reduces it to the equivalent of a claims made policy.

In response to the tightening market for asbestos-related liability coverage, ACandS has elected to self-insure this risk. ACandS, of course, continues to purchase insurance for asbestos-related worker's compensation claims. Because we are a nationwide company with sales of approximately 130 million dollars, our decision to self-insure the asbestos liability portion of our insurance program should not cause any concern to our customers. Given the unfavorable development of insurance costs over the last 25 years, many major companies in a variety of businesses now consider self-insurance to be an integral part of their insurance strategy. Indeed, self-insurance is indisputably the most cost-effective way for a larger company to handle many risks in today's insurance market. To maximize the protection afforded both ourselves and our customers through self-insurance, ACandS is charging all work involving asbestos a premium which will be set aside as a reserve against future claims. Self-insurance, of course, will respond for the full amount of any claims, without regard to the low aggregate limits commercial insurers impose on their coverage. This is particularly important when dealing with a contractor of ACandS's size, financial stability and long-term business outlook.

In addition, ACandS offers its customers additional protection by requiring that any work involving contact with asbestos-containing insulation is performed in strictest compliance with Federal OSHA, EPA and local requirements. Choosing a subcontractor that will use appropriate asbestos contact procedures is, in the final analysis, the best way to avoid liability in connection with such work. We are confident you will find that the quality of our work in this area exceeds both governmental requirements, and matches or exceeds that of even our most sophisticated competitors. This, along with the financial strength that allows us to self-insure, provides our customers with maximum assurance when choosing ACandS for work which may involve contact with asbestos-containing products.

Please feel free to call if you have any further questions.

Very truly yours,

James E. Hipolit
Manager, Insurance Services

SLM

ALCOA

Engineering Standard

Civil

CONTRACTED SERVICES SAFETY
PREQUALIFICATION QUESTIONNAIRE

33.055.1
1990 OCTOBER
PAGE 1

CONTRACTOR'S NAME ACandS, Inc. DATE 5/11/92

ADDRESS Corp. Office: 120 N. Lime Street, Lancaster, PA 17603

LIST FIRM'S PRIMARY SIC CODE 1799

1a. List your firm's Experience Modification Rate (EMR) for the three most recent years:

YEAR	CA INTRASTATE	WA Experience Factor
1991	.86	.8042
1990	.77	.9458
1989	.79	1.2053

1b. If you do not have an EMR, please explain.

2a. How long have you been covered by your current provider of Workers Compensation Insurance? 4 Years, 11 Months

2b. Has there been a change of ownership in your company within the last three years?
YES ____ NO X

3. Please use your firm's last three years OSHA No. 200 Log to fill in number of injuries and illnesses:

YEAR:	1991	1990	1989
a) Number of Lost Workday Cases	6.57 / 91	6.8 / 90	6.42 / 102
b) Number of Restricted Workday Cases	Not Available		
c) Number of Medical Treatment Cases (not First Aid)	82	87	70
d) Employee Hours Worked Each Year	2,770,090	2,646,952	3,174,538
e) Total Recordable Frequency Rate	12.49	13.37	10.84

Incl. in a or c

4. List any fatalities your firm has had in the last three years. Include: location, cause and corrective action. (Use back of form if additional space required.) NONE

468346 0939

5. List any OSHA/MSHA serious citations your firm has had in the last three years. Please describe . (Use back of form if additional space required.)

PITTSBURGH OFFICE -- NONE

6. How often are accident reports (OSHA/MSHA) and report summaries sent to the following?

	Monthly	Quarterly	Annually	Never
Field Superintendent		X	X	
Vice President of Construction		X	X	
President of Firm		X	X	

7. How often do your field supervisors receive safety training?
Weekly ____ Biweekly ____ Monthly X Other ____

8. How often do you conduct project safety inspections? WEEKLY

Who conducts these inspections (Title)? CONSTRUCTION SUPERINTENDENT OR PROJECT MANAGER AND FOREMAN

9. How are accident records and accident summaries kept? How often are they reported?

	YES	NO	MONTHLY	ANNUALLY
Accidents Totaled for the Entire Company	X		X	X
Accidents Totaled by Project				
Subtotaled by Superintendent		X		
Subtotaled by First Line Supervisor		X		

10. How are the costs of individual accidents kept? How often are they reported?

	YES	NO	MONTHLY	ANNUALLY
CostsTotaled for the Entire Company	X		X	X
Costs Totaled by Project				
Subtotaled by Superintendent		X		
Subtotaled by First Line Supervisor		X		

468346 0940

11a. Describe your safety organization. List names, titles and safety training:

David R. Martis	Health & Safety Administrator	Various
Douglas W. Rogers	Safety Manager	Various

11b. Who has safety responsibilities at a specific job site? Give title and safety training:

Construction Superintendent	Various
Project Manager	Various
General Foreman and Foreman	Various

12. Do you have a controlled substance and drug abuse policy? YES ___ NO X
(Please attach copy)

13a. Do you have a written safety program? YES X NO ___
(Please attach copy)

13b. Does your written safety program include the following?

	YES	NO	
1. Policy Statements:			
a. Company Statements	X		
b. Substance Abuse		X	
c. Rule/Program Enforcement	X		
2. Safety/Health Procedures:			
a. Fall Protection	X		
b. Scaffolding/Work Platform	X		
c. Perimeter guarding/floor, wall and roof openings	X		
d. Mobile Equipment Safety	X		
e. Housekeeping	X		
f. Fire Protection	X		
g. Injury Treatment Procedure, First-aid Facilities	X		
h. Emergency Procedures, Rescue, Evacuation	X		
i. Hazard Recognition/MSDS	X		
j. Toxic Substances	X		
k. Trenching/Excavation			N/A
l. Signs, Barricades, Flagging	X		
m. Electrical Safety	X		
n. Rigging/Crane Safety	X		
o. Confined Space Entry	X		
p. Welding/Burning Permit Procedures	X		
q. Asbestos Abatement	X		
r. Lockout/Tagout/Tryout	X		

		YES	NO
3.	Personal Protective Equipment Requirements:		
	a. Head Protection	X	___
	b. Eye Protection	X	___
	c. Hearing Protection	X	___
	d. Foot Protection	X	___
	e. Respiratory Protection	X	___
	f. Chemical Protective Clothing	X	___

13c. Are all current employees trained in the above safety program? YES X NO ___

13d. Do you have a formal orientation program for all new hires on the above safety program?
YES X NO ___
(Please attach copy)

14a. Do you have a written safety program for newly hired or promoted supervisors? YES X NO ___
(Please attach copy)

14b. If yes. does it include instruction on the following?

	YES	NO
1. All elements of your written safety program	X	___
2. Methods of safety supervision	X	___
3. Toolbox meetings	X	___
4. Emergency procedures	X	___
5. First-Aid facilities	X	___
6. Accident Investigation	X	___
7. Fire prevention/protection	X	___
8. New worker orientation	X	___

15. How often do you hold craft "toolbox" safety meetings?

Weekly X Biweekly ___ Monthly ___ Other ___

16. Have you performed work at any Alcoa location previously? YES X NO ___
If yes, please describe date and location.

2/92 Syracuse, NY - BS Industrial Contractor - $113,00

10/91 Syracuse, NY - BS Industrial Contractor - $150,000

AC and S Proposal No. SI-0692-06

WORK PLAN

GENERAL:

A. Agency Notifications

B. Daily Cleanup

C. Weekly Tool Box Safety Meetings

CENTRAL PASSAGEWAY:

A. Low corridor work will be performed from slim electric scissor lifts or rolling scaffold.

   1. Proper warning devices will be utilized.

   2. Work will be performed during day shift hours.

   3. Steam and condensate piping will be isolated and cold.

   4. Removal will be performed utilizing glove bags.

B. Outside work will be performed from boom manlifts.

   1. Work will be performed during day shift hours.

   2. Steam and condensate piping will be isolated and cold.

   3. Removal will be performed utilizing glove bags.

C. High bay potroom work will be performed from the overhead crane and boom manlifts.

   1. Work will be performed during shift change when the overhead crane can be locked out below the horizontal pipe for access from crane. This will be a 2-hour work window.

   2. The risers will be worked from a boom manlift during the lock out period.

   3. The steam and condensate piping will be isolated and cold.

   4. Work will be performed using glove bags.

D. Estimated Quantities:

System	Pipe Size	L/F	Elbows	Tees	Valves
Water Pipe	3"	1158	85	0	0
Steam Pipe	2"	1293	49	2	0

E. Personnel and environmental air monitoring will be performed during the removal work.

F. All areas will barricaded with "Danger Asbestos" tape while removal is in progress.

SOUTH PASSAGEWAY:

A. Proper warning devises will be utilized.

B. ALCOA will provide a flagman.

C. Work will be performed in one bay at a time while traffic is diverted around work area.

D. Work will be performed from a platform scissor lift during day shift hours.

E. The steam and condensate piping will be isolated and cold when removal work is performed.

F. Removal will be performed using glove bags.

G. Estimated quantities:

System	Pipe Size	L/F	Elbows	Tees	Valves
Steam & Condensate	3/4"	792	155	23	0
Steam	1-1/2"	132	4	0	0
Steam	3"	951	30	0	0
Water	6"	801	1	0	1

H. Personnel and environmental air monitoring will be performed during the removal work.

I. All areas will be barricaded with "Danger Asbestos" tape while removal is in progress.

BOILER HOUSE:

A. Work in this area will be performed during day shift hours.

B. Scaffolding will be erected to work from.

C. Piping systems will be isolated and worked while cold using glove bags.

D. Personnel and environmental air monitoring will be performed during the removal work.

E. Estimated quantities:

System	Pipe Size	L/F	Elbows	Tees	Valves
Steam	3"	48	1	0	0
Steam	4"	60	0	0	1

F. All areas will be barricaded with "Danger Asbestos" tape while removal is in progress.

RODDING ROOM:

I. Hot Work Plan:

A. Removal work will be performed on week-ends from 3:30 p.m. on Friday to 7:00 a.m. on Monday.

1. The overhead crane must be locked out and de-energized during our work period.

2. Scaffolding will be erected in 3 bays (60 feet) beginning at 4:00 p.m. on Friday.

3. Negative air enclosures will be constructed to envelope the piping.

4. Gross removal will be performed, enclosure cleaned, and final clearance will be taken prior to enclosure being removed.

5. The upper levels of the scaffolding will then be dismantled, down to below the crane rails and power tracks, and stored against the wall until the following weekend.

6. The following Friday the scaffolding will be rolled to the next position and erected to repeat the process.

7. Personnel and environmental air monitoring will be performed during the removal work.

8. All areas will be barricaded with "Danger Asbestos" tape while removal work is being performed.

B. Reinsulation work will be performed during night shift hours beginning at 4:00 p.m. Monday through Friday.

1. The overhead crane must be locked out and de-energized during our work hours.

2. The reinsulation work will be performed utilizing boom manlifts.

II. Cold Work Plan:

A. Removal and reinsulation work will be performed during night shift working hours between 3:30 p.m. and 7:00 a.m. Monday through Friday.

B. The overhead crane must be locked out and de-energized during our work hours.

C. The steam and condensate piping will be isolated and cold during our work period.

D. All removal work will be performed using glove bags.

E. Personnel and environmental air monitoring will be performed during the removal work.

F. Estimated quantities:

System	Pipe Size	L/F	Elbows	Tees	Valves
Steam	1"	150	6	0	0
Steam	2"	550	12	0	0
Steam	4"	850	4	0	1
Steam	5"	450	9	0	2

G. All work will be barricaded with "Danger Asbestos" tape while removal work is in progress.

HOMOGENIZING FURNACES:

I. Asbestos Abatement:

A. All work will be performed during day shift work hours.

B. ALCOA will cut the electrical power leads to the two furnaces at the furnace sidewall.

C. We will remove the furnace doors and locate them next to the furnaces for abatement.

D. The internal coils and horizontal heat sheild/diffuser will then be removed to open the inside for abatement.

E. Negative air enclosures will be erected including portable showers and load out.

F. Type "C" supplied air will be used for the gross asbestos removal.

G. The exterior tops of both furnaces will require precleaning of dust and debris prior to beginning work. The cost of pre-cleaning is included in our proposal.

H. Personnel and environmental air monitoring will be peformed during the asbestos removal work.

I. The asbestos debris will be placed in heavy duty cardboard "Gaylords" that will be wrapped with two (2) layers of 6 mil polyethylene, sealed, and will be located on pallets. The approximate size of the "Gaylords" is 48" wide X 48" long X 48" high. The loaded "Gaylords" will then be placed on the ALCOA truck for disposal by ALCOA.

J. The furnace structures will be wet wiped, fiber locked down, and released to ALCOA for demolition.

K. The area will be barricaded with "Danger Asbestos" tape while removal work is in progress.

II. Furnace Structure Demolition:

A. The electric motors will be removed and turned over to ALCOA for salvage.

B. The furnace doors and structural steel, including the platform above the furnace, will be cut into pieces, small enough to handle with a boom truck, and transported to the plant scrap yard.

C. Prior to any cutting or burning taking place, ALCOA must remove the magnesium from the area as a fire prevention and safety precaution.

D. Air arc will be used to dismantle the steel structure.

E. The furnaces will be demolished down to the top surface of the concrete floor.

BUILDING 49 ROOF FLASHING REMOVAL:

A. The metal flashing will be removed by others at no cost to AC and S, Inc.

B. We will string cables between the roof ventilators to tie-off to for personnel safety. While working on the roof curb, all personnel will wear safety harnesses and be tied-off.

C. The existing 4-ply builtup roof will be cut with an ax, in lieu of saw cut, due to the gravel in the built up roofing system.

D. The perimeter of the building in the immediate work area will be roped off with "Danger Asbestos" warning tape at grade level prior to beginning actual removal.

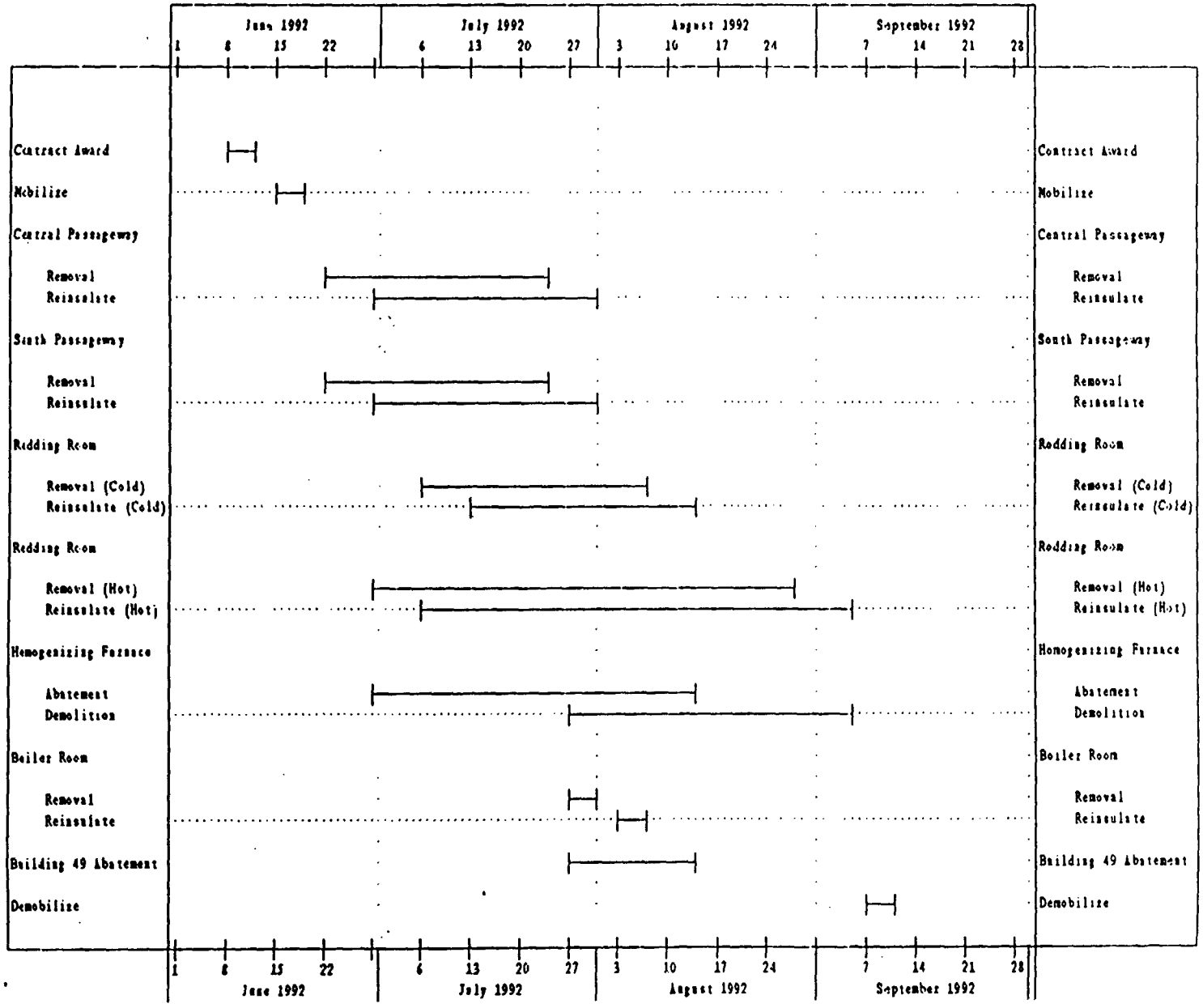
E. Personnel and environmental air monitoring will be performed while our work is in progress.

F. All asbestos containing roofing materials removed will be double bagged, sealed, labeled, and transported to the ALCOA dumpster for disposal by others.

June 2, 1992

Work Shedule for ALCOA Abatement

AC and S Proposal No. SI-0692-06



6/10/92 John Konkle – ACandS

At job walk – "Unfeasable to abate the 2 areas hot" (Items 1 & 2).
Engineer involved?

Can do it in a "cold" mode

Item 1 – Can do cold – 2 Hrs/day not enough time to do hot.

Item 2 – Can not do "hot" due to safety due to visibility, etc., due to crane traffic w/ Cruces, etc.. Safety stops it in the "hot" mode.

Can do cold & glove bag.

Hot mode requires enclosure.

Safety OK

ACandS

120 NORTH LIME STREET • P.O. BOX 1548 • LANCASTER, PA 17603 • TEL. (717) 397-3631 • FAX (717) 393-3872

May 11, 1992

Mr. Russell E. Yester
Alcoa Procurement Dept.
2070 Alcoa Bldg.
Pittsburgh, PA 15219

Dear Mr. Yester:

Re: Alcoa Prequalification Questionnaire

Please find attached a completed Alcoa Prequalification Questionnaire. The EMR's shown are for the states of California and Washington. Marlene Spiegel said the work we're bidding is on the West Coast and felt that these EMR's were more realistic.

Thank you for your cooperation.

Very truly yours,

Linda F Geiter

Linda F. Geiter
Administrative Assistant/Insurance

SLM

Enclosure

5/12 2:30 PM — Jerry Soltes — Requested Asbestos Policy Review Comments by 5/14

RECEIVED
MAY 12 1992

468346 0951

Insulation service... everywhere

ALCOA

Engineering Standard

Civil

CONTRACTED SERVICES SAFETY
PREQUALIFICATION QUESTIONNAIRE

33.055.1
1990 OCTOBER

CONTRACTOR'S NAME ACandS, Inc. DATE 5/11/92

ADDRESS Corp. Office: 120 N. Lime Street, Lancaster, PA 17603

LIST FIRM'S PRIMARY SIC CODE 1799

1a. List your firm's Experience Modification Rate (EMR) for the three most recent years:

YEAR	CA INTRASTATE	WA Experience Factor INTERSTATE
1991	.86 OK+	.8042 OK+
1990	.77	.9458
1989	.79	1.2053

1b. If you do not have an EMR, please explain.

2a. How long have you been covered by your current provider of Workers Compensation Insurance? 4 Years, 11 Months

2b. Has there been a change of ownership in your company within the last three years?
YES ____ NO X

3. Please use your firm's last three years OSHA No. 200 Log to fill in number of injuries and illnesses:

YEAR:	1991	1990	1989
	6.6	6.8	6.43
a) Number of Lost Workday Cases	91	90	102
b) Number of Restricted Workday Cases	Not Available		
c) Number of Medical Treatment Cases (not First Aid)	82	87	70
d) Employee Hours Worked Each Year	2,770,090	2,646,952	3,174,538
e) Total Recordable Frequency Rate	12.49	13.37	10.84

4. List any fatalities your firm has had in the last three years. Include: location, cause and corrective action. (Use back of form if additional space required.) NONE

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5. List any OSHA/MSHA serious citations your firm has had in the last three years. Please describe . (Use back of form if additional space required.) _____

PITTSBURGH OFFICE -- NONE

6. How often are accident reports (OSHA/MSHA) and report summaries sent to the following?

	Monthly	Quarterly	Annually	Never
Field Superintendent		X	X	
Vice President of Construction		X	X	
President of Firm		X	X	

7. How often do your field supervisors receive safety training?
Weekly ____ Biweekly ____ Monthly X Other ____

8. How often do you conduct project safety inspections? WEEKLY

Who conducts these inspections (Title)? CONSTRUCTION SUPERINTENDENT OR PROJECT MANAGER AND FOREMAN

9. How are accident records and accident summaries kept? How often are they reported?

	YES	NO	MONTHLY	ANNUALLY
Accidents Totaled for the Entire Company	X		X	X
Accidents Totaled by Project				
Subtotaled by Superintendent		X		
Subtotaled by First Line Supervisor		X		

10. How are the costs of individual accidents kept? How often are they reported?

	YES	NO	MONTHLY	ANNUALLY
CostsTotaled for the Entire Company	X		X	X
Costs Totaled by Project				
Subtotaled by Superintendent		X		
Subtotaled by First Line Supervisor		X		

11a. Describe your safety organization. List names, titles and safety training:

David R. Martis	Health & Safety Administrator	Various
Douglas W. Rogers	Safety Manager	Various

11b. Who has safety responsibilities at a specific job site? Give title and safety training:

Construction Superintendent	Various
Project Manager	Various
General Foreman and Foreman	Various

12. Do you have a controlled substance and drug abuse policy? YES ____ NO X
(Please attach copy)

13a. Do you have a written safety program? YES X NO ____
(Please attach copy)

13b. Does your written safety program include the following?

	YES	NO	
1. Policy Statements:			
a. Company Statements	X		
b. Substance Abuse		X	
c. Rule/Program Enforcement	X		
2. Safety/Health Procedures:			
a. Fall Protection	X		
b. Scaffolding/Work Platform	X		
c. Perimeter guarding/floor, wall and roof openings	X		
d. Mobile Equipment Safety	X		
e. Housekeeping	X		
f. Fire Protection	X		
g. Injury Treatment Procedure, First-aid Facilities	X		
h. Emergency Procedures, Rescue, Evacuation	X		
i. Hazard Recognition/MSDS	X		
j. Toxic Substances	X		
k. Trenching/Excavation			N/A
l. Signs, Barricades, Flagging	X		
m. Electrical Safety	X		
n. Rigging/Crane Safety	X		
o. Confined Space Entry	X		
p. Welding/Burning Permit Procedures	X		
q. Asbestos Abatement	X		
r. Lockout/Tagout/Tryout	X		

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		YES	NO
3.	Personal Protective Equipment Requirements:	X	
	a. Head Protection	X	___
	b. Eye Protection	X	___
	c. Hearing Protection	X	___
	d. Foot Protection	X	___
	e. Respiratory Protection	X	___
	f. Chemical Protective Clothing	X	___

13c. Are all current employees trained in the above safety program? YES X NO ___

13d. Do you have a formal orientation program for all new hires on the above safety program?
YES X NO ___
(Please attach copy)

14a. Do you have a written safety program for newly hired or promoted supervisors? YES X NO ___
(Please attach copy)

14b. If yes, does it include instruction on the following?

	YES	NO
1. All elements of your written safety program	X	___
2. Methods of safety supervision	X	___
3. Toolbox meetings	X	___
4. Emergency procedures	X	___
5. First-Aid facilities	X	___
6. Accident Investigation	X	___
7. Fire prevention/protection	X	___
8. New worker orientation	X	___

15. How often do you hold craft "toolbox" safety meetings?

Weekly X Biweekly ___ Monthly ___ Other ___

16. Have you performed work at any Alcoa location previously? YES X NO ___
If yes, please describe date and location.

2/92 Syracuse, NY - BS Industrial Contractor - $113,00 Insulation Only

10/91 Syracuse, NY - BS Industrial Contractor - $150,000 Insulation Only

No asbestos work

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(1)

PROPOSAL RECORD

REQUISITION NO /	INQUIRY DATE	DUE DATE	REQUISITION BY	SHIPMENT REQUESTED
861337WN				

CONTRACTORS OR MANUFACTURERS			Bartells		L.F. add wk	L.F. ded. wk	ACand S, Inc		L.F. Add. wk.	L.F. Deduct wk		
ITEM NO.	QUANTITY	MATERIAL	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE
1		Patroom Central										
		Removal Hot		91,094	In Fld			N.B.	N.B.	N.B.		
→		" Cold		33,249				$ 31,055	13.5¢/ft	9.62/ft		
→		Reinsulate	***	30,629				$ 31,704	13.79/ft	10.48/ft		
2		Patroom-South										
		Removal-Hot		105,897				N.B.	N.B.	N.B.		
→		" Cold		42,342				26,053	10.43	7.28		
→		Reinsulate	***	47,218				29,757	11.05	8.40		
*3		Homo. Furn.										
		Decon.		67,296				86,320	—	—		
		Demo		111,549				133,510	—	—		

TOTAL PRICE	227,557***		$184,470
TERMS OF PAYMENT	Safety Prot. w/ proposed		
F.O.B. POINTS	Work Technique & OSHA		
TOTAL WEIGHT	200 records. Steve Myers		
TRANSPORTATION CHARGES	not have yet w/ Bartell's agent		
TOTAL COST DELIVERED(incl. mm. escal.)	work bet Vancouver.		
SHIPMENT PROMISED			
REASONS FOR PLACING:	*** Plus Manlift & scaffolding costs		

*Owner's Option

468346 0956

(2)

PROPOSAL RECORD

REQUISITION NO /	INQUIRY DATE	DUE DATE	REQUISITION BY	SHIPMENT REQUESTED
861337WN				

CONTRACTORS OR MANUFACTURERS			Bartells				ACands					
					L.F. add wk	L.F. Deduct wk			L.F. add. wk	L.F. Deduct wk		
ITEM NO.	QUANTITY	MATERIAL	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE	NET UNIT PRICE	TOTAL ITEM PRICE
4		Rod. Room										
		Removal Hot		80,423	In Bid			108,412	56.52	39.48		
→		" Cold		32,895				29,630	15.87	11.08		
→		Reinsulate	**	35,358				29,657	15.80	12.01		
5		Boiler House										
		Removal-Hot		6,032				8,171	75.66	53.89		
→		" Cold		2,052				3,834	37.83	26.94		
→		Reinsulate	**	1,065				1,344	13.27	10.98		
6 →		Roof Curb		2,749	▽	▽		3,436	7.04	5.02		

TOTAL PRICE			227,557**				$184,470					
TERMS OF PAYMENT												
F.O.B. POINTS												
TOTAL WEIGHT												
TRANSPORTATION CHARGES												
TOTAL COST DELIVERED(incl. mun. escal.)												
SHIPMENT PROMISED												
REASONS FOR PLACING:		**	Plus Scaffold & Manlift Costs									

468346 0957