FORM NO. 1
REV. 2 3/27/63

Lummus 5th Ohio

ENGINEERING FILE

PURCHASE ORDER

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

THIS MUST APPEAR ON ALL SHIPMENTS, SHIPPING DOCUMENTS AND INVOICES.

DIV.	JOB	PO
	5479	GS 2522

T & L	PO DATE		
21	08	20	65

#7

Thorpe Products Company
1721 N. Mesquite Drive
Corpus Christi, Texas

Att: W. D. Leonard

SHIP TO— See Below
VIA— Vendors Means
DELIVERY— See Schedule "B" of requisition
F. O. B.— Delivered and Erected
TERMS— See Below

THIS ORDER IS PLACED SUBJECT TO THE CONDITIONS AND INSTRUCTIONS LISTED BELOW AND ON THE REVERSE SIDE OF THIS ORDER, AND CLAUSES CHECKED ON THE ATTACHED CLAUSE SHEET FORM NO. 2.

This purchase order is issued to cover your furnishing all supervision, labor, necessary tools and hoisting equipment, scaffolding (Including erection and dismantling of same) and any material, equipment and supplies required by the specifications that are not stipulated on this order as being supplied by The Lummus Company, required to APPLY PIPING INSULATION on the premises of REYNOLDS METALS COMPANY, GREGORY, TEXAS in strict accordance with the specifications as described in attached requisition #R5479-GS-2522 dated August 10, 1965 consisting of six sheets and your quotation dated July 3, 1965 excluding any conditions of sale therein which conflict with or add to the terms and conditions of this purchase order.

PRICE: For the full performance of all work covered by this order, including the furnishing of all manpower, material and equipment as outlined above, you are to be paid Approximately $68,760.88. See Paragraph "C" of requisition.

The Approximate Total price of $68,760.88 represents an order of magnitude cost for scope of work as set forth on drawing outlined in paragraph "G" of requisition. Actual billing is to be on the basis of unit prices as set forth in the purchase order under "Schedule of Unit Prices" and the same pricing structure will apply to any additional work which becomes a part of this order.

PLAINTIFF'S EXHIBIT RMC-89

SCHEDULE OF UNIT PRICES

UNIT PRICES PER LIN. FT. OF PIPING INSULATION
USING J-M THERMOBESTOS AND FINISHED WITH REYNOLDS ALUMINUM

PIPE SIZE	THICKNESS 1"	1 1/2"	2"	2 1/2"	3"	3 1/2"
1/2"	.96	1.17	1.21			
3/4"	.99	1.21	1.25			
1"	1.02	1.25	1.29			
1 1/4"	1.05	1.29	1.34			
1 1/2"	1.10	1.33	1.42			
2"	1.12	1.36	1.51			
2 1/2"	1.24	1.44	1.56			
3"	1.31	1.49	1.65	2.49	2.96	

W. F. O'Donnell:bw/ems

002380

ACCEPTANCE: The attached Acceptance Copy of this purchase order must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

BY JCBrady KRB
MANAGER OF PROCUREMENT

THE LUMMUS COMPANY

ORDER NO. 5479-GS-2522

A/C NO. LA

SHEET NO. 2

Thorpe Products Company

SCHEDULE OF UNIT PRICES (Continued)

UNIT PRICES PER LIN. FT. OF PIPING INSULATION USING J-M THERMOBESTOS AND FINISHED WITH REYNOLDS ALUMINUM

PIPE SIZE	THICKNESS 1"	1-1/2"	2"	2-1/2"	3"	3-1/2"
4"	1.55	1.59	1.79	2.83	3.37	
5"	1.72	1.80	2.74	3.23	3.51	
6"	1.85	1.88	2.89	3.50	3.91	
8"		2.41	3.52	3.89	4.29	5.79
10"		2.80	3.72	4.43	5.01	6.60
12"		3.11	4.30	4.91	5.64	7.43
14"		3.51	4.80	5.61	7.22	8.16
16"		3.96	5.24	6.10	7.84	8.90
18"		4.35	5.59	6.76	8.51	9.56
20"		4.75	6.22	7.37	9.15	10.48
22"		5.22	6.69	7.96	10.06	11.27
24"		5.44	7.09	8.46	10.50	11.75

INSTRUMENT PIPING

GROUP NO.	PRICE PER LIN. FT.
1	1.10
2	1.25
3	1.35
4	1.45

002381

FORM MASTER 100-B

THE LUMMUS COMPANY

ORDER NO. 5479-08-2522

A/C NO. LA

SHEET NO. 3

Thorpe Products Company

SCHEDULE OF UNIT PRICES

UNIT PRICES PER LIN. FT. OF PIPING INSULATION USING J-M THERMOBESTOS AND FINISHED WITH DOUBLE COATED FLEXTONE OR 6 OZ. CANVAS

PIPE SIZE	THICKNESS 1"	1-1/2"	2"	2-1/2"	3"	3-1/2"
1/2"	.99	1.22	1.26			
3/4"	1.04	1.26	1.30			
1"	1.07	1.29	1.34			
1-1/4"	1.10	1.34	1.39			
1-1/2"	1.17	1.39	1.49			
2"	1.19	1.45	1.61			
2-1/2"	1.31	1.55	1.67			
3"	1.41	1.59	1.77	2.65	3.10	
4"	1.61	1.71	1.91	2.98	3.54	
5"	1.80	1.93	2.78	3.39	3.67	
6"	1.92	2.01	3.05	3.65	4.10	
8"		2.57	3.71	4.09	4.50	6.02
10"		2.99	3.93	4.65	5.25	6.86
12"		3.32	4.54	5.16	5.90	7.70
14"		3.75	5.05	5.87	7.51	8.45
16"		4.23	5.51	6.39	8.12	9.21
18"		4.64	5.88	7.07	8.73	9.89
20"		5.06	6.54	7.73	9.49	10.84
22"		5.56	7.03	8.33	10.43	11.75
24"		5.83	7.46	8.85	10.89	12.15

Additional Clauses pertaining to price are covered elsewhere in this order under the headings, "Price and Overtime Provisions" and "Extra" Work."

The above prices are firm and not subject to escalation.

UTILITIES: The Lummus Company will arrange to furnish construction utilities such as water, air, electric power, etc., that are available for their own use. Any extensions of or additions to these facilities will be at subcontractor's own expense.

Lummus will arrange to furnish adequate working space and ground space for the storage of tools, equipment and materials.

These conditions apply unless shown otherwise on accompanying order.

(CONTINUED)

002382

FORM MASTER 100-D

THE LUMMUS COMPANY

ORDER NO. 5479-GS-2522

A/C NO. LA

SHEET NO. 4

Thorpe Products Company

Confirms verbal order to W. D. Leonard August 9, 1965.

SHIP TO: The Lummus Company
c/o Reynolds Metals Company
Sherwin Plant
Gregory, Texas

VENDOR NOTE: IMPORTANT

Immediately upon receipt of this order and prior to the performance of any work at the jobsite, Certificates of Insurance must be submitted to the following:

2 copies to: The Lummus Company
146-246 Haynes Ave.
Newark, New Jersey 07114
Att: Manager of Insurance

1 copy to: Reynolds Metals Company
6601 W. Broad Street
Richmond, Virginia
Att: Mr. L. W. Norfleet
Asst. Director of Purchases

1 copy to: Reynolds Metals Company
P. O. Box 109
Corpus Christi, Texas
Att: Mr. B. M. Mason
Plant Purchasing Agent

1 copy to: The Lummus Company
146-246 Haynes Ave.
Newark, New Jersey 07114
Att: Mr. L. X. Levin

1 copy to: The Lummus Company
Drawer (M)
Portland, Texas
Att: T. S. De Cuir

No work may be performed at the jobsite before complying with this requirement.

"This order, in addition to applicable drawings and specifications, consists of five sheets plus a requisition consisting of six sheets and General Terms and Conditions consisting of one sheet."

002383

V. P. O'Donnell:bw

THE LUMMUS COMPANY
146 HAYNES AVENUE
NEWARK 5, NEW JERSEY

FORM NO. 2

ORDER NO. 5479-OS-2522
ACCT. LA
DATE August 20, 1965

GENERAL CLAUSES

[X] PRICE IS FIRM, not subject to escalation.

[ ] ESCALATION:
To expedite payment, all items shall be invoiced at the prices stated on this purchase order. Escalation charges, properly supported by substantiating documents must be submitted separately for our review and approval. The Lummus Company, our client and/or our representatives reserve the right to audit such charges prior to payment.

[ ] PRICE NOTE:
Prices established in this order represent those submitted in your original proposal. This purchase order includes revisions made to date. Therefore, it will be necessary to resubmit your revised proposal.

[ ] UNPRICED NOTE:
Forward immediately your quotation in
indicating unit prices, amount, delivery, F. O. B. point and terms of payment. Upon receipt of your quotation and after acceptance, a supplement will be issued establishing prices. NO INVOICES WILL BE HONORED UNTIL WE HAVE RECEIVED YOUR QUOTATION AND CONFIRM PRICES BY A SUPPLEMENT.

[ ] MATERIAL TEST REPORTS:
When the material on this order is released for shipment, four (4) copies of the records of physical and chemical tests required by the material specifications shall be forwarded to:

Inspection Department
The Lummus Company
146-246 Haynes Avenue
Newark 5, New Jersey
Att: Mr. W. D. Conway, Chief Inspector

For standard items where such information is not always obtainable, certified statements that such items meet specifications requirements will be acceptable.

[ ] TAGGING:
Tag equipment with item numbers appearing in the description column of purchase order for easy identification at jobsite.

[ ]

002384

FORM 5
1-2-62

THE LUMMUS COMPANY

146-246 HAYNES AVE. - NEWARK 5, NEW JERSEY

GENERAL TERMS AND CONDITIONS
APPLYING TO CONSTRUCTION SUB-CONTRACTS
(THESE ARE IN ADDITION TO AND SUPPLEMENT THE GENERAL CONDITIONS AND INSTRUCTIONS CONTAINED IN THE INQUIRY OR PURCHASE ORDER TO WHICH THEY RELATE.)

ORDER NO. 5479-GS-2522

DATE August 20, 1965

I. WORK:

SELLER SHALL PERFORM ALL THE WORK SPECIFIED OR REASONABLY IMPLIED IN THIS ORDER OF THE LUMMUS COMPANY (BUYER) AS AN INDEPENDENT CONTRACTOR AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS HEREIN. SUCH WORK IS IN CONNECTION WITH SERVICES BEING PERFORMED BY BUYER

FOR Reynolds Metals Company (ITS CUSTOMER)

AT Gregory, Texas (LOCATION OF JOB SITE)

II. EXAMINATION OF PREMISES AND ERRORS IN INFORMATION:

1. IT SHALL BE ASSUMED THAT SELLER HAS EXAMINED THE JOB PREMISES AND HAS REVIEWED DRAWINGS, SCHEDULES, AND SPECIFICATIONS APPLICABLE TO THIS WORK AND THAT SELLER IS THOROUGHLY FAMILIAR WITH THE EXTENT AND SCOPE OF THE WORK TO BE PERFORMED. SELLER'S NOT HAVING MADE THE ABOVE-MENTIONED EXAMINATION AND REVIEW SHALL NOT RELIEVE SELLER OF THE RESPONSIBILITY OF ADDITIONAL COST OCCASIONED BY SUCH OMISSION. IF, IN SELLER'S OPINION, OTHER WORK IN PLACE OR BEING PERFORMED WILL PREVENT SELLER FROM PERFORMING ITS WORK PROPERLY, SELLER SHALL SO NOTIFY BUYER'S JOB SUPERINTENDENT IN WRITING BEFORE COMMENCING WORK. SELLER SHALL NOT BE RELIEVED OF ANY OBLIGATIONS OR RESPONSIBILITIES WITH RESPECT TO ITS WORK EXCEPT BY WRITTEN CONSENT OF BUYER'S JOB SUPERINTENDENT.
2. SHOULD DEFECTS, ERRORS OR INCONSISTENCIES APPEAR IN THE DRAWINGS AND SPECIFICATIONS, OR SHOULD ANY ITEM BE OMITTED WHICH IS NECESSARY TO THE PROPER CONSTRUCTION OF THE WORK, IT SHALL BE THE DUTY OF THE SELLER TO SO NOTIFY BUYER BEFORE UNDERTAKING TO PERFORM THE WORK, AND IN THE EVENT THE SELLER FAILS TO GIVE BUYER SUCH NOTICE, SELLER SHALL MAKE GOOD ANY DAMAGE OR DEFECT IN ITS WORK CAUSED THEREBY, WITHOUT EXTRA CHARGE. THE DRAWINGS ARE INTENDED TO AGREE WITH THE SPECIFICATIONS, BUT SHOULD ANY DISCREPANCY EXIST BETWEEN THEM, THE SPECIFICATION SHALL GOVERN.

III. PROTECTION OF WORK, HANDLING, UNLOADING AND STORING MATERIALS, AND TEMPORARY FACILITIES:

1. SELLER SHALL DELIVER, UNLOAD AND STORE ALL MATERIALS FURNISHED BY SELLER, FURNISH, HANDLE AND MAINTAIN ALL TOOLS, SCAFFOLDING, MATERIALS AND SUPPLIES, REQUIRED TO COMPLETE THE WORK, AND BE RESPONSIBLE FOR ANY LOSSES OR DAMAGES SUSTAINED DURING STORAGE AND CONSTRUCTION PERIOD, DUE TO PILFERAGE OR ANY OTHER CAUSE. ANY SUCH ITEMS FURNISHED BY BUYER WILL BE HANDLED AND TRANSPORTED TO WORKING AREA FROM A CENTRAL STORAGE AREA AT THE JOB SITE BY SELLER AND SELLER SHALL BE RESPONSIBLE FOR THE CARE AND PROTECTION OF SAME UNTIL ACCEPTANCE OF SELLER'S WORK. SELLER MUST CONFORM TO MATERIAL CONTROL PROCEDURES ESTABLISHED AT THE SITE.

2. OFFICES AND SHEDS: SELLER SHALL PROVIDE SUITABLE, WEATHERTIGHT, FIELD OFFICES AS REQUIRED FOR ITS USE, AND SELLER SHALL PROVIDE SUCH TEMPORARY SHEDS AS ARE REQUIRED FOR THE PROTECTION OF ITS WORKMEN, EQUIPMENT, AND MATERIALS, AND HEAT, LIGHT, EQUIPMENT AND CLEANING SERVICES REQUIRED IN CONNECTION WITH SUCH FIELD OFFICES.
3. SANITARY ARRANGEMENTS: SELLER SHALL PROVIDE SUITABLE ENCLOSURES AND CONVENIENCES FOR THE USE OF ALL ITS WORKMEN ON THE JOB AND SHALL POST NOTICES AND MAKE THE NECESSARY ARRANGEMENTS FOR MAINTAINING ITS BUILDING FACILITIES AT THE JOB SITE IN A SANITARY CONDITION AT ALL TIMES, AND FOR THE REMOVAL OF SANITARY FACILITIES AND THEIR CONTENTS AT THE COMPLETION OF THE WORK.

IV. DELIVERY AND WORKING SCHEDULE:

SELLER SHALL CONTACT THE BUYER'S JOB SUPERINTENDENT AT THE JOB SITE FOR DELIVERY INSTRUCTIONS AND COORDINATE SELLER'S WORKING SCHEDULE WITH HIM AT ALL TIMES. ALSO, FURNISH BUYER'S JOB SUPERINTENDENT YOUR JOB COMPLETION AND MANPOWER SCHEDULE.

V. SUPERINTENDENCE:

SELLER SHALL KEEP ON ITS WORK DURING ITS PROGRESS A COMPETENT SUPERINTENDENT AND ANY NECESSARY ASSISTANTS, ALL SATISFACTORY TO BUYER. THE SUPERINTENDENT SHALL NOT BE CHANGED EXCEPT WITH THE CONSENT OF BUYER UNLESS HE PROVES TO BE UNSATISFACTORY TO SELLER AND CEASES TO BE IN ITS EMPLOY. THE SUPERINTENDENT SHALL REPRESENT SELLER AND ALL DIRECTIONS GIVEN HIM SHALL BE BINDING UPON SELLER.

VI. FIELD LABOR:

SELLER SHALL NOT EMPLOY FIELD LABOR IN A MANNER INCONSISTENT WITH THE CONTRACTUAL AND STATUTORY OBLIGATIONS OF BUYER UNDER APPROPRIATE STATE AND FEDERAL LAWS.

VII. WORKMANSHIP:

1. ALL PERSONNEL SHALL BE SKILLED IN THEIR RESPECTIVE TRADES. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND IS SUBJECT TO INSPECTION AND ACCEPTANCE BY BUYER AND/OR ITS CUSTOMER. IT IS SELLER'S RESPONSIBILITY TO REQUEST BUYER'S JOB SUPERINTENDENT TO ARRANGE FOR INSPECTION OF WORK PRIOR TO ASSEMBLY OR ENCLOSURE THAT WOULD MAKE THE WORK INACCESSIBLE FOR INSPECTION. NEITHER INSPECTION BY BUYER NOR FINAL PAYMENT SHALL RELIEVE SELLER OF RESPONSIBILITY FOR FAULTY WORKMANSHIP OR MATERIALS AND SELLER SHALL REMEDY ALL SUCH DEFECTS WHICH SHALL APPEAR WITHIN ONE (1) YEAR OF COMPLETION OF ITS WORK, AND OF WHICH IT RECEIVES WRITTEN NOTICE.

2. INSPECTION AWAY FROM PREMISES: WHEN ANY WORK IS BEING EXECUTED AWAY FROM THE PREMISES, BUYER SHALL BE NOTIFIED IN REASONABLE TIME AS TO WHERE SUCH WORK IS BEING DONE AND WHEN IT WILL BE READY FOR INSPECTION. A WAIVER OF INSPECTION DOES NOT RELIEVE SELLER OF RESPONSIBILITIES OR GUARANTEES.

3. TESTS: UNLESS OTHERWISE SPECIFIED, SELLER SHALL MAKE SUCH TESTS AS ARE REQUIRED BY SPECIFICATION, LAW, REGULATION, ORDINANCE OR CODE TO SHOW THAT THE REQUIREMENTS OF THE SPECIFICATIONS HAVE BEEN FULFILLED.

VIII. REGULATIONS:

SELLER SHALL CONFORM TO ANY SAFETY, HAZARD, FIRE, "NO SMOKING", ETC., REGULATIONS SET UP BY BUYER AND/OR ITS CUSTOMER.

IX. REMOVAL OF TOOLS, MATERIALS, DEBRIS, ETC.:

SELLER SHALL REMOVE ALL RUBBISH FROM TIME TO TIME AS DIRECTED BY BUYER'S JOB SUPERINTENDENT AND LEAVE EVERYTHING IN GOOD CONDITION WHEN THE WORK IS COMPLETED, REMOVING ALL ITS TOOLS, SCAFFOLDING AND OTHER EQUIPMENT.

X. ADDITIONAL CHARGES AND OVERTIME PROVISIONS:

ALL WORK IS TO BE PERFORMED ON A 40-HOUR WORKWEEK, MONDAY THROUGH FRIDAY, HOLIDAYS EXCEPTED. NO WORK REQUIRING PAYMENT OF OVERTIME COMPENSATION BY SELLER SHALL BE PERFORMED BY SELLER WITHOUT THE PRIOR WRITTEN APPROVAL OF BUYER. NO ADDITIONAL COMPENSATION SHALL BE PAID BY BUYER FOR OVERTIME WORK UNLESS SUCH OVERTIME WORK IS PERFORMED AT THE WRITTEN REQUEST OF BUYER. IF OVERTIME WORK IS PERFORMED AT THE WRITTEN REQUEST OF BUYER, SELLER IS TO BE REIMBURSED FOR THE PREMIUM PORTION OF THE ACTUAL WAGES PAID THEREFOR, PLUS SOCIAL SECURITY, TAXES AND COST OF INSURANCE APPLICABLE TO SUCH PREMIUM PORTION OF SAID WAGES, WHICH SHALL BE COMPUTED AS _______% OF SUCH PREMIUM PORTION OF SUCH WAGES. IT IS UNDERSTOOD THAT, EXCEPT FOR OVERTIME WORK AS PROVIDED IN THIS PARAGRAPH, NO OTHER ADDITIONAL CHARGES OF ANY KIND WILL BE ALLOWED IN CONNECTION WITH THE SPECIFIED WORK.

XI. TERMS OF PAYMENT:

1. PAYMENTS WILL BE MADE MONTHLY COVERING 90% OF THE WORK PERFORMED, PROMPTLY UPON PRESENTATION OF SELLER'S INVOICES, APPROVED BY BUYER'S JOB SUPERINTENDENT AT THE JOB SITE. THE BALANCE WILL BE PAID WITHIN THIRTY (30) DAYS AFTER SATISFACTORY COMPLETION AND ACCEPTANCE OF THE WORK.

2. IF TERMS OF PAYMENT ARE OTHER THAN INDICATED IN PARAGRAPH 1 ABOVE, THE TERMS IN PARAGRAPH 3 SHALL APPLY. IF PARAGRAPH 3 REMAINS BLANK THEN PARAGRAPH 1 IS APPLICABLE.

3.

002385

CONTINUED ON REVERSE SIDE

Form No. 32
Rev. 3 - 10/5/67

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

1515 Broad Street
Bloomfield, New Jersey 07003

PURCHASE ORDER SUPPLEMENT

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	08-2522	17

T & L	VEN	CODE	SUP	DATE
21			11	02 67

Thorpe Insulation Company
P. O. Box 1477
Corpus Christi, Texas 78403

Att: Mr. W. D. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	see below			This supplement is issued to establish the final total of this order as follows:		
				Previous total thru Supplement #16		$397,317.75
				Less order of magnitude amount shown on original order. Since all work is priced on the basis of unit prices this amount should not have been carried forward in supplement totals		(68,760.88)
						$328,556.87
				Plus the following invoices:		
				Invoice # C-623 dated May 31, 1967		66,609.15
				Invoice # C-631 dated May 31, 1967		77.96
				Invoice # CO-131 dated November 19, 1965		34,369.00
				Invoice # C- 43 dated February 9, 1966		25,642.05
				Invoice # C-555 dated April 19, 1967		372.86
				Invoice # C-149 dated June 8, 1966		34.95
						455,662.84
				Deduction to correct error in Invoice #C-368 per Lummus invoice #2-8 dated February 1, 1967		(2.03)
				Deduction to correct error in Invoice #C-43 per Lummus Invoice #10-13 dated September 27, 1967		(270.90)
				FINAL TOTAL		$455,389.91

W.J.Roche:lg

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002386 BY: J. F. Brady /
MANAGER OF PROCUREMENT

FORM MASTER 100-B

THE LUMMUS COMPANY

ORDER NO. 5479-2522
Sup. 17
A/C NO. See below

SHEET NO. 2

TO: Thorpe Insulation Company

Vendor Note: You will note that this order does not include your invoice #C-551 dated April 11, 1967 in the amount of $360.58. This invoice was cancelled by your invoice #C-555 dated April 19, 1967. Our records indicate that both of these invoices have been paid in full. Our Accounting Department will bill you for a refund of the $360.58 paid against your invoice #C-551.

Account Breakdown:

Facility	Invoice Number					
No.	C-623	C-631	CC-131	C-43	C-555	C-149
30	$50,627.78		$19,246.64	$14,103.13		
33	8,943.63	$12.61				
35	151.98				$206.48	
40	1,000.00					
42	4,101.42					
45	1,784.34					
110		65.35	15,122.36	11,538.92	166.38	34.95

Previous Total:	$397,317.75
Add :	58,072.16
Revised Total :	$455,389.91

002387

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479-08	2522	16

T A L	VEN CODE	SUP	DATE	
21		05	29	67

Thorpe Insulation Company
P.O. Box 1477
Corpus Christi, Texas 78403

Attention: Mr. W. D. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	1A			This supplement is issued to establish the following additional charges in accordance with Subcontract Extra Work Orders listed below:		

SEWO NO.	INVOICE NO.	INVOICE DATE	TOTAL AMOUNT
1	C- 72	3/21/66	$1,718.73
6	C-149A	6/8/66	331.90
16	C-148	6/8/66	2,441.83
19	C-202	8/11/66	469.56
22	C-231	8/25/66	1,513.19
23	C-289	10/10/66	115.56
24	C-200 & C-201	8/11/66	276.30
27	C-290	10/10/66	531.46
		Total Amount Added This Supplement	$7,398.53

W.J. Roche:pcc

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002388 BY J. C. Brady / RLT
MANAGER OF PROCUREMENT

FORM MASTER 100-B

THE LUMMUS COMPANY

ORDER NO. 5479-GS-2522
Supplement #16

A/C NO. LA

SHEET NO. 2

ACCOUNT BREAKDOWN -

SEWO NO.	FACILITY 26	30	30-3	30-4	30-5	110	300
1	287.02	116.63				1,315.08	
6						331.90	
16					262.72	2,179.11	
19	81.87		328.72			58.97	
22						227.08	1,286.11
23				115.56			
24			276.30				
27			519.18	12.28			

Previous Total:	$389,919.22
Add:	7,398.53
Revised Total:	$397,317.75

002389

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.			
DIV	JOB	PO	SUP
	5479-GS	2522	15

T & L	VEN CODE	SUP	DATE
21	/	04	11 67

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Attention: Mr. W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

This supplement is issued to cover the cost of insulation furnished to date in accordance with measure up sheets.

INVOICE NUMBER	DATE	AMOUNT
C-534	3-21-67	$19,368.89
C-537	3-31-67	13,593.80
C-544	3-31-67	8,653.99
	Total Addition:	$41,616.68

The following is the account breakdown.

INVOICE	FACILITY	
C-534	30.588 - 28%	Balance facility 33
C-537	30.588	
C-544	30.588 - 28%	Balance facility 33

previous Total:	$348,302.54
Add:	41,616.68
Revised Total:	$389,919.22

R. J. Ver Hoven:ld

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

BY J. Brady [signature]

MANAGER OF PROCUREMENT

002330

ENGINEERING FILE
PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.			
DIV	JOB	PO	SUP
	5479	GS-2522	14

TAL	VEN	CODE	SUP	DATE		
21			03	10	67	

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Attention: W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	400.588					

The net addition to the subject Purchase Order to perform work on a unit price basis per the contract agreement page 2 section C-1 is as follows:

SEWO # 29-dated September 20, 1966 Facilities 35, 110, 300, 30-5 and .30 shown on Thorpe invoice C-268 dated September 13, 1966 plus measure up sheets--- 7,855.09

SEWO #37-dated December 29, 1966- Facilities 35, 30-1, 30-3 and 4, 110 and 300 shown on Thorpe invoice C-372 dated December 28, 1966 plus measure up sheets---16,829.44

SEWO #38-dated January 27, 1967- Facilities 30-4, 33 and 40 shown on Thorpe invoice C-413 dated January 24, 1967 plus measure up sheets------------------ 33,891.84

The net addition to the subject Purchase Order to perform work on a Time and Material basis per the Contract agreement page 3 section C-2

SEWO #30 dated December 1, 1966 - Facilities 30-1 and 2 and 3 and 4 and 110-B3 shown on Thorpe invoice C-368 dated November 30, 1966------- 254.35

TOTAL ADDITION $58830.72

Previous total:	$289,471.82
Add	58,830.72
REVISED TOTAL:	$348,302.54

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R.J.Ver Hoven:pc

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

BY JC Brady / RJF GWG/cd
MANAGER OF PROCUREMENT

002391

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT
THE LUMMUS COMPANY
146-246 HAYNES AVE., NEWARK 14, N. J.

PURCHASE ORDER SUPPLEMENT ENGINEERING FILE

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	08-2522	13

T.A.L.	VEN CODE	SUP	DATE
21		12	1 66

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Attention: W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	30.588			The net addition to the subject Purchase Order to perform work on a unit price basis per the contract agreement, Page 2 Sect. C-1 in Facilities 30-3 and 30-4 as detailed and shown on attached measure up sheets and Thorpe Invoice C 325 dated October 31, 1966.		
				Facility 30-3	$ 4,995.88	
				Facility 30-4	16,581.61	
					$21,577.49	

PREVIOUS TOTAL: $ 267,894.33
ADD: 21,577.49
REVISED TOTAL: $ 289,471.82

R.J. Ver Hoven:pt

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

BY J.C. Brady / [illegible]
MANAGER OF PROCUREMENT

002332

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	08-2522	12

T & L	VEN	CODE	SUP	DATE	
21			11	28	66

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Attention: W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

Add the following unit prices to the schedule as shown on sheet 3 of the purchase order dated August 20, 1965

THICKNESS

Pipe Size	1-1/2
30"	$11.54
36"	13.78

The above is in accordance with vendor's invoice number 230 and C-43

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R. J. Ver Hoven:pc

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002393

BY

MANAGER OF PROCUREMENT

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

144-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479-GS-	2522	11

TAL	VEN	CODE	SUP	DATE		
21			11	15	66	

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Att: W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
				The net addition to the subject purchase order for insulation work performed and materials delivered as per measure up sheets provided is as follows:		

DATE		AMOUNT
7-25-66		$13,486.13
7-26-66		11,648.28
7-27-66		17,243.02
8-2 -66		8,327.17
	Total:	$50,704.60

Charge As Follows:

Facility 30.588- 91%
" 33.588- 6%
" 110.588- 3%

The above is in accordance with vendor's invoice #C-230 dated August 25, 1966.

Previous Total:	$217,189.73
Add	50,704.60
Revised Total:	$267,894.33

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R. J. Ver Hoven:ld

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002394 BY [signature]

MANAGER OF PROCUREMENT

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

144-244 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479-GS	2522	10

T & L	VEN	CODE	SUP	DATE
21			10	27 66

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

Attention: W. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

This supplement is issued to establish unit prices for furnishing and installing Code 8 insulation to Facility 110. These prices cover work on the above facility as outlined on Supplements 8 and 9.

	PIPE SIZE	THK	PRICE PER LIN.FT.
700° Piping	18"	3"	$14.86
Up to 400° Piping	8"	3-1/2"	10.37
	10"	3-1/2"	11.41
	12"	3-1/2"	12.06
	16"	4"	15.02
	18"	4"	15.87

The above is in accordance with vendor's letter dated September 26, 1966.

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R.J.Ver Hoven:pc

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002335 BY J.C. Brady/m

MANAGER OF PROCUREMENT

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-346 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.			
	5479	GS-2522	9
DIV	JOB	PO	SUP

Indexed

21		09	19	66
T & L	VEN CODE	SUP	DATE	

Thorpe Insulation Company
1721 North Mosquite Dr.
Corpus Christi, Texas

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	1A			This Supplement is issued to add the Interstage Piping of the Engine Compressor Item 110-K-7 to the Scope of the Insulation Work. Insulation Code S shall be applied.		
	110.588			Fairbanks Morse Drawing #12064323 (Lummus Eng. Service #110-K-7-18) is attached and indicates this Interstage Piping. The Heat Exchanger item 110-E-39 and Separator item 110-E-40 do not require Insulation.		
				Vendor will quote on a lump sum basis using the same unit price schedule established in the original order including the total quantity involved and the unit prices used.		

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R. J. Van Hoven:lc

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

9/7/66

THE LUMMUS COMPANY

002306 BY G. A. Brinkley

MANAGER OF PROCUREMENT

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-846 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	8

TAL	VEN CODE	SUP	DATE
		09	06 66

Thorpe Insulation Company
1721 Northern Mosquite Drive
Corpus Christi, Texas

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
				The following Piping Schedules are hereby transmitted showing Insulation Code for Line No's.		

Acct	Facility Flow Diag. No.	P.S. Sheet No.	Issue
300-588	300-K-4018 Rev. 2	16	C
	300-K-4015 Rev. 4	11	D
	300-K-4015 Rev. 4	12	E
	300-K-4015 Rev. 4	13	D
	300-K-4015 Rev. 4	14	E
	300-K-4015 Rev. 4	25	C
110-588	110-K-1057 Rev. 13	11	B
	110-K-1057 Rev. 13	46	F
	110-K-1057 Rev. 13	60	E
	110-K-1057 Rev. 13	61	E
	110-K-1059 Rev. 13	51	F
	110-K-2001	48A	C
	110-K-2001	62	A
	110-K-2001	63	C
	110-K-2001	96	C
	110-K-2003 Rev. 16	43A	B

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R.J. VER HOVEN:pc

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

EOS 9/13/66
EBR 9/1/66

002337

THE LUMMUS COMPANY

BY [signature]

MANAGER OF PROCUREMENT

	Facility Flow Diag. No.	P.S. Sheet No.	Issue
42-588	42-K-1042 Rev. 6	6	C
	42-K-1042 Rev. 6	7	C
	42-K-1042 Rev. 6	8	C
	42-K-1042 Rev. 6	35	C
	42-K-2001 Rev. 9	1	E
	42-K-2001 Rev. 9	9	C
	42-K-2001 Rev. 9	31	D
	42-K-2001 Rev. 9	32	D
	42-K-2001 Rev. 9	33	D
	42-K-4001 Rev. 6	34	F
35-588	35-K-2001 Rev. 6	1	E
	35-K-2001 Rev. 6	4	E
	35-K-2001 Rev. 6	6	E
33-588	33-K-4002 Rev. 3	11	F
	33-K-4002 Rev. 3	12	F
	33-K-4002 Rev. 3	13	E
	33-K-4002 Rev. 3	14	F
	33-K-4002 Rev. 3	15	E
	33-K-4002 Rev. 3	16	E
	33-K-4002 Rev. 3	17	F
	33-K-4002 Rev. 3	18	F
	33-K-4002 Rev. 3	19	F
	33-K-4002 Rev. 3	21	F
	33-K-4002 Rev. 3	33	F
	33-K-4002 Rev. 3	48	F
30-588	30-K-4011 Rev. 3	162	G

Vendor will quote on a lump sum basis using the same unit price schedule established in the original order including the total quantity involved and the unit prices used.

Specification No. 5479-GS-2511 Revision 5, dated Nov. 23, 1965 revising pages 1,2,3,4,5,7 and 11a. Covering Code S - Sound Aboarbing Insulation is hereby transmitted.

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

144-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	7

T&L	VEN	CODE	SUP	DATE
21			07	22 66

Thorpe Insulation Company
1721 North Mesquite Drive
Corpus Christi, Texas

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING.

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	31			Piping Schedules are hereby transmitted showing insulation legend for:		

FACILITY	FLOW DWG. NO.	SHEET NO.	ISSUE
30	30-K-4003A	9	F
		10	F
		11	F
		12	E
		13	F
		14	F
		15	F
		16	F
		46	D
		84	E
		85	F
		86	F
		87	F
		88	E
		89	E
		90	F
		91	E
		92	E
		118	C
		151	E
		160	B
		201	G

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

R. VerHoven:bw

(CONTINUED)

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

EQ 7/7/66
JWS 7/13/66

THE LUMMUS COMPANY

002309

BY J. Brady / RT

MANAGER OF PROCUREMENT

Thorpe Insulation Company

Vendor will quote on a lump sum basis using the same unit price schedule established in the original order including the total quantity involved and the unit prices used.

ENGINEERING FILE
PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT
THE LUMMUS COMPANY
144-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	6

T & L	VEN CODE	SUP	DATE
21		06	17 66

Thorpe Insulation Company
1721 North Mosquite Drive
Corpus Christi, Texas

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	LA			The net addition to the subject purchase order for insulation work performed and materials delivered as per Measure up sheets provided is as follows:		

Area Number	Invoice Number	
30-5 and 110	C-130 dated May 24, 1966	$ 42,788.68
30-5	C-125 dated April 30, 1966	47,670.63
30-5	C-109 dated April 22, 1966	15,885.20
110 to 30-5	C-71 dated March 18, 1966	24,851.40
110	C-71 dated March 18, 1966	5,538.54
	TOTAL	$136,734.45

Previous Total	$ 80,455.28
Add	136,734.45
Revised Total	$217,189.73

R. VerHoven:bw

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and return d to The Lummus Company.

THE LUMMUS COMPANY

002401 BY [signature]
MANAGER OF PROCUREMENT

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	5

T.A.L.	VEN	CODE	SUP	DATE
21			06	17 65

Thorpe Insulation Company
1721 N. Mesquite Drive
Corpus Christi, Texas

Att: W. D. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
				Piping Schedules are hereby transmitted showing insulation legend for:		

FACILITY	FLOW DWG. No.	SHEET NO.	ISSUE
30	30-K-4003	1	H
		2	H
		3	H
		4	H
		5	G
		6	G
		7	J
		8	G
		47	E
		48	E
		75	G
		76	H
		77	H
		78	H
		79	H
		80	G
		81	G
		82	G
		83	G
		150	H
		161	E
		200	H

R.J. Ver Hoven:cs

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

SCR 6/8/66
FWB 6/13/66

THE LUMMUS COMPANY

002402

BY J. Brody

MANAGER OF PROCUREMENT

TO: Thorpe Insulation Company

FACILITY	FLOW DWG. NO.	SHEET NO.	ISSUE
30	30-K-4004	17	J
		18	H
		19	H
		20	H
		21	L
		22	H
		23	H
		24	J
		44	J
		93	J
		94	H
		95	H
		96	H
		97	J
		98	H
		99	J
		100	H
		152	J
		154	E
		202	L
		204	C
30	30-K-4004A	25	L
		26	L
		27	L
		28	L
		29	M
		30	K
		31	K
		45	G
		101	K
		102	L
		103	K
		104	J
		105	L
		106	L
		107	K
		108	N
		117	F
		203	L
		153	M

NOTE: Vendor will quote on a lump sum basis using the same unit price schedule established in the original order including the total quantity involved and the unit prices used.

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	4

TAL	VEN	CODE	SUP	DATE
21			04	07 66

Thorpe Insulation Company
Subsidiary of J. T. Thorpe Company
1721 N. Mesquite Drive
Corpus Christi, Texas

Att: Mr. W. D. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	IA			The unit price is as follows on 6" pipe using Johns-Manville 3-1/2" thk. Thermobestos pipe covering and finished with .020" thk. Reynolds Aluminum.		

6" x 3-1/2" thk. $5.50 per lin. ft.

The following invoice is based on repairs and replacing of insulation on existing plant done on an hourly basis.

Invoice #	Date	Amount
C-59	2-24-66	$1,555.30

The above is in accordance with vendor's letter dated March 29, 1966.

Previous Total	$78,899.98	Approximate
Add	1,555.30	
Revised Total	$80,455.28	Approximate

R. J. VerHoven:hrf

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and return d to The Lummus Company.

THE LUMMUS COMPANY

002404

BY [signature]
MANAGER OF PROCUREMENT

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

144-244 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.			
DIV	JOB	PO	SUP
	5479	GS-2522	3

T & L	VEN	CODE	SUP	DATE		
21			03	03	66	

Thorpe Insulation Company
Subsidiary of J. T. Thorpe Co.
1721 N. Mesquite Dr.
Corpus Christi, Texas

Att: Mr. W. D. Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
	LA					

For record purposes, the vendor of the subject purchase order has been changed from Thorp Products Company to Thorpe Insulation Company. J. T. Thorpe Company guarantees satisfactory performance of the contract by Thorpe Insulation Company.

This supplement is issued to add the following items to the scope of the applied Piping Insulation work:

1 The Unit Price on Heat Traced Piping Insulation as defined in Thorpe Products Co. letter of January 10, 1966, for $1.39 per lineal foot of each pipe involved.

2 The Labor Rates per hour for Extra Work at the existing plant site to be in accordance with The Thorpe Products Co. letter of January 11, 1966, and in effect thru June 30, 1966.

In accordance with Item XIV of the General Terms and Conditions of P.O. No. 5479-GS-2522, the labor rates per hour for Extra Work at the above plantsite are broken down as follows, and will be in effect through June 30, 1966.

(continued)

R. J. VerHoven:hrf

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002405

BY J. Brady / Rab
MANAGER OF PROCUREMENT

FORM MASTER 100-B

THE LUMMUS COMPANY

ORDER NO. 5479-08-2522
Sup. 3
A/C NO. LA

SHEET NO. 2

TO: Thorpe Insulation Company

	General Foreman	Foreman	Mechanic
Wages	$4.90	$4.65	$4.40
Welfare Fund	.10	.10	.10
Pension Fund	.10	.10	.10
Travel	.19	.19	.19
Sub-Total	5.29	5.04	4.79
Taxes & Insurance 12%	.59	.56	.53
Sub-Total	5.88	5.60	5.32
Overhead 10%	.59	.56	.53
Sub-Total	6.47	6.16	5.85
Profit 5%	.32	.31	.29
TOTAL WAGES PER HOUR	$6.79	$6.47	$6.14

The following invoices are based on repair and replacing of Insulation on existing plant done on an hourly bases.

Invoice #	Date	Amount
C-3	1-11-66	$ 343.91
CC-172	12-28-65	3,918.77
C-6	1-18-66	873.06
C-41	1-27-66	5,003.36
	TOTAL	$10,139.10

Previous Total	$68,760.88	Approximate
Add	10,139.10	
Revised Total	$78,899.98	Approximate

R. J. VerHoven:hrf

002406

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

146-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.

DIV	JOB	PO	SUP
	5479	GS-2522	2

T & L	VEN	CODE	SUP	DATE		
21			12	27	65	

Thorpe Products Company
1721 No. Mesquite Drive
Corpus Christi, Texas

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
				Specification No. 5479-GS-2511, Hot Insulation Material and Application: Page 10 of 20 is hereby revised (revision 3) to show that heat conservation insulation shall be required for piping having an inside fluid temperature above 200°F and as indicated on the piping schedules:		
				Piping schedules are hereby transmitted showing insulation legend for:		

Facility	Flow Dwg. No.	No. Pages
24	24-K-2001	6
26	26-K-4001	18

V. P. O'D[illegible]

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

M3 12/13/65

THE LUMMUS COMPANY

002407

BY [signature]

MANAGER OF PROCUREMENT

ENGINEERING FILE

PURCHASE ORDER SUPPLEMENT

ENGINEERS AND CONSTRUCTORS FOR INDUSTRY AND GOVERNMENT

THE LUMMUS COMPANY

144-246 HAYNES AVE., NEWARK 14, N. J.

ALWAYS REFER TO THIS NO.			
DIV	JOB	PO	SUP
	5479-GS	2522	1

T & L	VEN CODE	SUP	DATE		
21			11	18	65

Thorpe Products Company
1721 No. Mesquito Drive
Corpus Christi, Texas

Att: W. D Leonard

THIS SUPPLEMENT TO THE ORIGINAL PURCHASE ORDER IS ISSUED TO ESTABLISH THE FOLLOWING:

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

Forward Revision 3, Page 10 of Hot Insulation Specification No. 5479-GS-2511 dated October 29, 1965.

Specification revision does not affect prices.

ALL OTHER TERMS AND CONDITIONS ARE IN ACCORDANCE WITH ORIGINAL ORDER.

V. P. O'Donnell:ems

ACCEPTANCE: The attached Acceptance Copy of this supplement must be signed by an official or otherwise authorized representative of the Seller, and returned to The Lummus Company.

THE LUMMUS COMPANY

002408

BY J. C. Bradyforn

MANAGER OF PROCUREMENT

. - 3/28/62 - REV. 1 4/11/62

THE LUMMUS COMPANY

Requisition on Purchasing Agent

ALWAYS REFER TO THIS NO.				
P.O.		5479	GS-2522	
	DIV	JOB	PO / REQ	SUP

21		08	20	65	PROJ	JCF
T & L	VEN CODE	PO DATE			DEPT	ORIG

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EM	EQUIP ACCT	TAG NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT
				Provide all necessary labor, material, services, tools, equipment and scaffolding to furnish and install thermal insulation on existing and new piping, in accordance with Specification 5479-GS-2511, Rev. (2) dated 7/29/65, and as further described below.		
				Insulation on steam traced instrument piping:		
				A layer of 1/8" thick asbestos paper between steam and instrument piping, secured with tape and wire, and a layer of J-M Aerolag Duct Insulation (or approved equal) 1" thick, 1# density wrapped around both pipes and stapled in place and finished with J-M Flexstone (or approved equal) with final cover of Reynolds aluminum jacket. Finish bends and terminus ends with Glasfab and Insulkote (or approved equal). Where several lines are together or too close to insulate separately, they shall be insulated together, but in all cases instrument piping & steam tracing shall be separated by at least 1/8" at all points. Vendor shall quote a price per lineal foot for this work, for one, two, three and four instrument tube groups.		
				A. <u>SCOPE OF WORK</u>		
				1. The Sherwin Plant of the Reynolds Metals Co. is an existing installation located near Corpus Christi, Texas. The plant includes complete facilities for receiving Bauxite ore from ocean going vessels and processing to produce alumina suitable for reduction. An expansion of this plant is currently in progress. The insulation called for shall incude, but not be limited, to all new insulation required to complete this expansion project.		

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2. Piping to be insulated will be indicated on the Piping Drawings and on the Line Schedules. These additional drawings will be furnished to the successful bidder in sufficient time for him to make material takeoffs and schedule his work. The Piping Section shall forward directly to the subcontractor new or revised copies of drawings or schedules, 1 reproducible being sufficient.

3. The Line Schedules and Drawings presently available represent approximately 60% of the total scope of work. The balance will be provided to the subcontractor in sufficient time to permit him to schedule his work and order material.

B. SCHEDULE OF WORK

Attention is called to par. 2.2.8 of Specification 5479-GS-2511. The insulation work is scheduled to be performed over a period of approximately 16 months, beginning about August 11, 1965. The successful bidder shall prepare his own work schedule based on information received from the purchaser's construction representative on the jobsite.

C. METHOD OF PAYMENT

1. For piping, payment shall be made on a unit price per lineal foot, for each pipe diameter and thickness, and for each type of external covering. This includes all new (not previously insulated) piping, valves and fittings thru 24" diameter. Pipe diameter over 24" shall be classed as a pressure vessel and payment made on a square foot basis.

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2. For repairs to existing insulation, payment shall be made on a labor and material basis.

3. Any additional quantities involved shall be established by acual field measurements in accordance with Specification 5479-GS-2511, Section 4.0.

D. WARRANTY

Subcontractor warrants that it will perform all work under this subcontract to the best of its ability, within the limitations imposed by Specification 5479-GS-2511, and that it will make all reasonably necessary corrections and repairs resulting from defective workmanship or materials which are brought to its attention, in writing, within one year after the date of installation of the defective work at no cost to purchaser.

E. WARRANTY OF TITLE

Manufacturer warrants good title to all materials, supplies and equipment furnished under this order.

F. CLEAN-UP

Insulation Subcontractor shall be responsible for cleaning up and removing all debris resulting from his operations. He shall, during the course of the work and at its completion in any area, clean up & remove all such debris at the request of and to the satisfaction of The Lummus Co.'s Construction Mgr. Failure on the part of the Insulation Subcontractor to comply with this paragraph will result in The Lummus Co. performing the required clean-up, with the entire cost thereof backcharged to the Insulation Subcontractor.

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G. ATTACHMENTS

Specification No. 5479-GS-2511, Rev. (1) dated April 26, 1965(already in your possession) Revision (2) of above dated 7/29/65 pages 7 & 8.

DRAWINGS (Already in your possession)

30-P-1018-10	110-L-4005-5	110-P-1027-7
1019-10		1028-8
1024-16	110-P-1001-10	1031-13
1025-15	1002-8	1032-9
1031-8	1003-13	1033-9
4001-4	1004-13	1034-4
4002-4	1005-8	1035-7
4003-5	1006-9	1036-12
4004-4	1007-7	1037-10
4005-5	1009-6	1038-8
4006-4	1010-6	1040-8
4010-4	1011-3	1041-5
4025-5	1013-15	1044-7
4026-2	1020-10	1046-9
	1021-17	1047-8
	1022-16	1048-6
	1023-5	1049-5
	1024-6	1056-6
	1025-15	1057-5
	1026-3	4005-0
		4003-1
		4004-1

LINE SCHEDULES

Flow Diagram	Sheet No.	Date	Lines
24K 2001	4	6/30/65	SL6101-6139
	1	5/30/65	SY6501-40
	2	5/30/65	SY6541-64
	5	5/30/65	SL6140-42
25K 4001	1	4/26/65	LM6001-23

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SHEET 5 OF 6

ITEM	EQUIP ACCT	TAG NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

LINE SCHEDULES (Cont'd)

Flow Diagram	Sheet No.	Date	Lines
26K 4001	3	5/22/65	SY6081-99
	7	5/22/65	LM6014-18
	8	3/20/65	SL6001-40
	9	5/22/65	SL6041-56
	25	5/22/65	ES6120-34
	26	7/20/65	MS6002-10
30K 4005	32	5/22/65	SY6100-39
	33	5/22/65	SY6140-79
	35	5/22/65	SY6451-63
	34	5/22/65	SY6180-91
	37	5/22/65	SY7491 7530
	39	5/22/65	DS6101-37
	109	5/22/65	FS6101-40
	110	5/22/65	FS6142-80
	111	5/22/65	FS681-6600
	113	5/22/65	MS6101-40
	114	7/20/65	MS6141-80
	115	7/20/65	MS6181-7221
	116	7/20/65	ES6103-7050
	155	7/20/65	C 6101-6129
33K 4005	1	8/9/65	LM6020, 6401-9
	2	8/9/65	SY6192, 7536-40
	11	8/9/65	ES6107
	22	8/9/65	C6500
110K 1058	19	7/20/65	NS6151-9
	47	6/7/65	NS6201-5
	20	6/7/65	MS6276-80
110K 4004	39	7/30/65	C6214-9
	13	7/30/65	ES6201-7030
	12	7/30/65	MS6251-76
	72	7/30/65	BD6301-15
	11	7/30/65	NS6176-6329

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SHEET 6 OF 6

ITEM	EQUIP TAG NO ACCT	EQUIP TAG NO NO	QUAN	DESCRIPTION	UNIT PRICE	AMOUNT

LINE SCHEDULES (Cont'd)

Flow Diagram	Sheet No.	Date	Lines
110K 1047	22	8/4/65	ES7062-65
	74	5/26/64	CS6026
	17	5/26/65	MS6041-46
	75	5/26/65	BB6016-8
110K 4004	37	7/30/65	C6225-6533
	38	6/1/65	C6534-49
	70	7/30/65	BB6000-46
	71	7/30/65	CB6000-9
110K 2003	14	5/5/65	HS6001-11
	15	8/12/65	MS7186-7206
	16	8/12/65	ES6236 7040
	42	5/5/65	C6276-6314
	43	8/12/65	C6315 6654
	73	5/5/65	BB6005 6006
300K 4015	12	7/30/65	MS6431 6988
	13	7/30/65	MS6157 6296
	14	7/30/65	ES6102 6391
	11	7/30/65	CS6020 6189
300K 4017	15	7/30/65	CS6201 6234

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