ECONOMIC DEVELOPMENT OPPORTUNITIES & COMPLIANCE (EDOC)

GOAL SETTING COMMITTEE

AGENDA

Monday NOVEMBER 17, 2025
10:00 a.m. – 11:30 am
7720 W. Oakland Park Blvd. Suite 323, Sunrise FL 33351

- **Call to Order / Introductions**
- **Roll Call**
- **Approval of Minutes**
- **Opening Remarks**
- **New Business**

#	P.A ASSIGNED	"NEW" RFQ/RFP /ITB #	"OLD" RFQ/RFP /ITB #	MATERIALS GROUP	ITB/RFP /PROJECT NAME	USER DEPARTMENT
1	Mark Cohen	ITB (PENDING)	ITB-FY22-046	FMR	Mechanical Insulation Services	Physical Plant Operations - (PPO) - Allen Behnke
2	Mark Cohen	RFP25-154	NEW BID	FMR	Playground Inspections	Physical Plant Operations - (PPO) - Allen Behnke

- **Open Discussion**
- **Adjournment**

PROCUREMENT & WAREHOUSING SERVICES DEPARTMENT

Goal Setting Committee Summary of New Solicitations

New Solicitation No: ITB (PENDING)
New Solicitation Title: Mechanical Insulation Services
Proposed Spend Authority of New Solicitation: $ 2,119,000
Category Code(s) (Materials Group) for New Solicitation: HRS
Requesting Department: Physical Plant Operations – Allen Behnke
Brief Description of Items/Nature of Services Requested: This Bid is utilized by The Physical Plant Operations (PPO) Department to purchase and/or install insulation materials associated with HVAC equipment. This material is required to protect and maintain HVAC equipment throughout the District, including pipes and pipe fittings, hot and cold surfaces, chilled water pumps, valves, jacketing, condensate tanks, boiler exhaust stacks steam systems, etc. Condensation and moisture build-up, which are detrimental to equipment functioning, are prevented with the proper use of insulation materials.
How will the solicitation be structured (e.g.) firm, fixed, quotes, preapproved vendor, etc.): Lowest Bid/ 1 Primary/ 1 Alts
Award Method: Pre-Qualified Firm:
Total Number of Registered ESMWVBEs in Category Code(s) from B2Gnow:

Previous/Current Contract Information

Previous/Current Contract Title: ITB-FY22-046- Mechanical Insulation Services

Previous/Current Contract Spend Authority: $2,119,000.

Previous/Current Contract Expiration Date: 9/15/2025

Previous/Current Contract Awarded Vendors:

#1) Thermal Concepts, Inc.

#2) Blizzard Air Conditioning, LLC

In accordance with SBBC Policy No. 3330, and the results of the 2023 Disparity Study conducted by Keen Independent Research, The GSC has recommended:

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA
ECONOMIC DEVELOPMENT & DIVERSITY COMPLIANCE (EDDC)

EDDC API Assignment
Request Form

Purpose

The purpose of the EDDC API Assignment Request Form is to review upcoming procurement solicitations, not related to construction, in order to assign the Affirmative Procurement Initiatives (API) for use in District solicitations as part of, and in accordance with Policy 3330.

Purchasing Agent

Date Submitted to EDDC	10/27/2025	**Commodity**	FMR - Facilities/Maintenance/Repair
Name	Cheryl Fields	**Email**	cheryl.fields@browardschools.com

General Solicitation Information

Contract Type	Invitation To Bid	**Title**	Mechanical Insulation Services
ID Number	TBD	**Term**	3 YEARS WITH 2 ONE-YEAR RENEWALS
Department Requesting this Solicitation	Physical Plant Operations	**Department's Solicitation Manager**	Cheryl Fields
Estimated Spend Authority	2,119,000	**PreQual Required**	No
Materials Group	**FMR**	**PWS Commodity Code (Commodity/Subcategory)**	FMR
Award Method			

Task/Scope of Work	**Task 1**		**Task 5**	
	Task 2		**Task 6**	
Brief Description of items/Nature of Services Requested:	**This Bid is utilized by The Physical Plant Operations (PPO) Department to purchase and/or install insulation materials associated with HVAC equipment. This material is required to protect and maintain HVAC equipment throught the District, including pipes and pipe fittings, hot and cold surfaces, chilled water pumps, valves, jacketing, condensate tanks, boiler exhaust stacks steam systems, etc. Condensation and moisture build-up, which are detrimental to equipment functioning, are prevented with the proper use of insulation materials.**			
Potential Subcontracting Task/Scope of Work	NA			
Special Licenses/ Certificates/ Equipment	None			

Current/Historical Solicitation Information

Previous/Current Contract ID Number	ITB-FY22-046	**Previous/Current Contract Awarded Vendor (s)**	**Previous/Current Contract Bidders/Proposers**	**List previously utilized E/S/M/WBE Vendor Names (if any)**
Previous/Current Contract Title	Mechanical Insulation Services	#1) Thermal Concepts, Inc. #2) Blizzard Air Conditioning, LLC	#1) Thermal Concepts, Inc. #2) Blizzard Air Conditioning, LLC	Blizzard Air Conditioning LLC
Previous/Current Contract Expiration Date	9/15/2025			
Previous/Current Spend Authority	$2,119,000			
NAICS Codes/Industry Title	423330			

Supporting Information for Review

Attachments	☐ Scope of Work/ ☐ Specifications ☐ Item List ☐ Other (please specify) ☐ Intake Form _____

This Section to be completed by the EDDC Department

API Evaluation Process

NAICS Codes/Industry Title Reviewed	

EDDC Notes

GSC Review Date:	
Recommendation made by:	Economic Development & Diversity Compliance Department (EDDC)
Signature:	
Name :	Anne Marie Richards, Advocacy & Compliance Coordinator

Date Created: 4/17/19 Edit 11/2/20 Edit 1/20/22 *Edited on 1/25/2024*

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA

ECONOMIC DEVELOPMENT & DIVERSITY COMPLIANCE DEPARTMENT (EDDC)

EDDC Evaluation of Proposals/Bidders

Document #3001a (ITB)

Bid # and Title:	ITB FY22-046 - Mechanical Insulation Services
Project #:	n/a

The EDDC conducted a review of the respondents' compliance with the Policy 3330. An overview of the solicitation described above is provided as follows:

Affirmative Procurement Initiative (API)	The Affirmative Procurement Initiative (API) implemented in this solicitation is: **the M/WBE Annual Aspirational Goals.** Based on Policy 3330 the M/WBE Annual Aspirational Goals is a non-mandatory annual percentage goal for overall M/WBE prime and subcontract participation in School Board contracts. It is established each year by the Goal Setting Committee (GSC) based upon the M/WBE availability by industry in accordance with the District's 2015 MTA Disparity Study findings, along with relative M/WBE availability data to be collected by the School Board through its Centralized Bidder Registration (CBR) system, and the utilization of M/WBEs.

	Company	Status	Certification Status*	M/WBE Annual Aspirational Goals Participation (YES/NO)
1	**Blizzard Air Conditioning, LLC**	**Prime**	MBE-HA	**YES**
2	**Thermal Concept, Inc.**	**Prime**	Non-SBBC Certified	No

Certification Types* *Firms may acquire a combination of the certification types offered by the District.		**Ethnicity/Gender Categories***	
SBE	Small Business Enterprise	AA	African-American
SMBE	Small Minority Business Enterprise	APA	Asian-Pacific-American
MBE	Minority Business Enterprise	HA	Hispanic-American
MWBE	Minority Women Business Enterprise	NA	Native-American
WBE	Non-Minority Women Business Enterprise		

EDDC Notes:

The SDOP Goal implemented in this solicitation is a non-mandatory M/WBE Annual Aspirational Goal: EDDC evaluated proposals received from two (2) firms; Blizzard Air Conditioning LLC and Thermal Concept, Inc:

-Blizzard Air Conditioning, LLC – SBBC Certified MBE-HA – Self Performance
-Thermal Concept, Inc. – Non SBBC Certified MWBE – No commitment

The M/WBE Annual Aspirational Goal implemented is NOT Mandatory; therefore, All Proposers are in compliance with the SDOP requirements.

Date:	Friday, May 7, 2021
Evaluated by:	Economic Development & Diversity Compliance Department (EDDC)
Witnessed by:	Anne Marie Richards, Advocacy & Compliance Coordinator Dr. Ernesto De la Hoz, Advocacy & Compliance Specialist III

Date Created: 4/17/19

PROCUREMENT & WAREHOUSING SERVICES

FINANCIAL ANALYSIS WORKSHEET

BID INFORMATION			
New Bid # (Ex: 10-004R):		**Preparation Date:**	December 13, 2024
Previous Bid # (Ex: 10-004R):	FY22-046	**Buyer/PA:**	Nafisa Seeram
New Bid Award Total:		**Bid Title:**	Mechanical Insulation Services
Previous Award Total:	$1,469,000		
Bid Type:	INCREASE TO BID		
Previous Bid Term (Start Date):	9/16/2021	**New Bid Term (In Months):**	
Previous Bid Term (End Date):	9/15/2025	**# of Months Into Bid:**	39

SPEND REPORTING	
Purchase Order(s) Spend:	$1,409,633
P Card Purchases:	$0
Total Invoiced-to-Date Amount (PO + Pcard Purchases):	**$1,409,633**
Average Monthly Expenditure:	$36,144
Unused Authorized Spending:	**$59,367**
Est. Forecasted Spend (For Entire Bid Term):	

VENDOR INFORMATION		
Awarded Vendors:	**M/WBE Status (If applicable):**	**Spend:**
102017-THERMAL CONCEPTS INC		$ 1,409,633
	PO VENDOR SPEND:	$ 1,409,633
	P-CARD SPEND:	$ -
	TOTAL SPEND:	$ 1,409,633

NOTES (Type Below):

Data Source: SAP and Works (Bank of America system)	Prepared on:	12/12/2024

All information included in this summary is based on the preparation date listed above and may change at any time beyond that date.

PROCUREMENT & WAREHOUSING SERVICES

7720 WEST OAKLAND PARK BOULEVARD, SUITE 323, SUNRISE, FL 33351 • PH: 754-321-0505
EMAIL: PurchasingHelpDesk@BrowardSchools.com www.BrowardSchools.com/PWS

CONTRACT AWARD DETAILS

Contract Number:	FY22-046 *(Previous Contract Number: 16-069C)*
Contract Title:	Mechanical Insulation Services
Bid Type:	Invitation to Bid (ITB)
Commodity:	FMR (Facilities / Maintenance & Repair INTERIOR)
Material Group:	**91036** A/c, heating, & Ventilation services; **031** A/C Heat, Vent, & Fan equipment;
Contract Value:	$2,119,000.00
Contract Start Date:	September 16, 2021
Contract Expiration Date:	September 15, 2025
Renewal Options:	N/A

Broward County School Board Point of Contact Information:

Procurement Department	
For contract, pricing, fulfillment, quality concerns or questions email:	For purchase order processing, requisition, purchase order status questions or concerns email:
Mark Cohen Mark.cohen@browardschools.com 754-321-0510	Juan Perez Juan.perez@browardschools.com 754-321-0513

End User Name & Address	Point of Contact
Physical Plant Operations/Custodial and Grounds 3897 NW 10 Avenue Fort Lauderdale, FL 33309	Salvatore Damico, Supervisor salvatore.e.damico@browardschools.com 754-321-4651

Background:
This Bid is utilized by Physical Plant Operations (PPO) to purchase and/or install insulation materials associated with Heating, Ventilation, and Air Conditioning (HVAC) equipment. This material is required to protect and maintain HVAC equipment throughout the District, including pipes and pipe fittings, hot and cold surfaces, chilled water pumps, valves, jacketing, condensate tanks, boiler exhaust stacks steam systems, etc. Condensation and moisture build-up, which are detrimental to equipment functioning, are prevented with the proper use of insulation materials.

Awarded Vendor and Contract Pricing:

Vendor Name & Address	Point of Contact
Vendor # 102017 Thermal Concepts, Inc. 2201 College Avenue Davie, Florida 33317	Allen D. Irvine Phone: (954) 472-4465 Email: airvine@thermalconcepts.com

This document is not designed to provide a detailed overview of individual contracts or considered an in depth comprehensive set of instructions. Refer to the Bid Solicitation/ Invitation to Bid for contractual terms and conditions. Additional supporting documentation will be supplied upon request.

Vendor # 135888 Blizzard Air Conditioning LLC 7971 Riviera Suite 205 Miramar, Florida 33023	Roberto Villaverde Phone: (954) 990-8970 Email: info@blizzardairfl.com

Method of Award (MOA):
The bid was awarded in its entirety to one primary and one alternate responsive and responsible Bidders meeting specifications, terms, and conditions. Therefore, it was necessary to bid on every item in the group, in order to have the bid considered for award. The lowest cost and responsible bidder are considered the primary vendor and should receive the largest volume of work.

S/M/WBE goal and vendors:

Certified MWBE	Certification #	Expiration Date
Blizzard Air Conditioning LLC	ESMBE	5/8/2025

Contract Addendum and Contract Change Log:
The primary purpose of the log is to record/track each procurement action from the date of initial award (this includes amendments, modifications, addition/deletion of award items, contract modifications, contract renewals, vendor information changes, etc.). This log eliminates the requirement to issue separate award sheet addendum. The following amendments/changes have been implemented subsequent to the award of this contract.

Event No.	Date Issued	Description	Purchasing Agent
1	7/20/2021	Original Spending authority	PA Name
2	10/17/2023	Additional Spending Authority of $260,000	Martine Cadesca
3	05/21/2024	First Renewal and Additional Spending Authority of $383,000	Martine Cadesca
4	2/19/2025	Additional Spending Authority of $650,000.00	Edgar Lugo

Refers to certified M/WBE business.

Procurement & Warehousing Services
Broward County Public Schools

RECOMMENDATION TABULATION

ITB #:	FY22-046	Tentative Board Meeting Date*:	TBD
ITB Title:	Mechanical Insulation Services	# Notified: 503	# Downloaded: 9
		# of Responses Rec'd: 2	# of "No Bids": 0
For:	Physical Plant Operations (School/Department)	ITB Opening Date :	5/6/2021
Fund:	Department Operating Budget	Advertised Date:	4/7/2021

POSTING OF Select One RECOMMENDATION/TABULATION: Select One Recommendations and Tabulations will be posted in the Procurement & Warehousing Services and www.Demandstar.com on **MAY 24, 2021 @ 3:00 pm** and will remain posted for 72 hours. Any person who is adversely affected by the decision or intended decision shall file a notice of protest, in writing, within 72 hours after the posting of the notice of decision or intended decision. The formal written protest shall be filed within ten (10) days after the date the notice of protest is filed. Failure to file a notice of protest or failure to file a formal written protest shall constitute a waiver of proceedings under this chapter. Section 120.57(3)(b), Florida Statutes, states that "The formal written protest shall state with particularity the facts and law upon which the protest is based." Saturdays, Sundays, state holidays and days during which the District is closed shall be excluded in the computation of the 72-hour time period provided. Filings shall be at the office of the Director of Procurement & Warehousing Services, 7720 West Oakland Park Boulevard, Suite 323, Sunrise, Florida 33351. Any person who files an action protesting an intended decision shall post with the School Board, at the time of filing the formal written protest, a bond, payable to The School Board of Broward County, Florida, (SBBC), in an amount equal to one percent (1%) of the estimated value of the contract. Failure to post the bond required by SBBC Policy 3320, Part VIII, Purchasing Policies, Section N, within the time allowed for filing a bond shall constitute a waiver of the right to protest. "Failure to file a protest within the time prescribed in Section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes."

(*) The Cone of Silence, as stated in the ITB / RFP / RFQ / HARD BID, is in effect until it is approved by SBBC. The Board meeting date stated above is tentative. Confirm with the Purchasing Agent of record for the actual date the Cone of Silence has concluded.

RECOMMENDATION TABULATION

VENDOR NAME	ITEM(S) AWARDED
THERMAL CONCEPTS, INC.	PRIMARY
BLIZZARD AIR CONDITIONING LLC	ALTERNATE

IN ORDER TO MEET THE NEEDS OF THE SCHOOL SYSTEM AND IN THE BEST INTEREST OF THE SCHOOL BOARD, THE ABOVE ITEMS ARE RECOMMENDED TO BE AWARDED TO THE BIDDER LISTED ABOVE.

CONTRACT PERIOD: SEPTEMBER 16, 2021 THROUGH SEPTEMBER 15, 2024

By: *Adriana Rodriguez* (Purchasing Agent) Date: 5/24/2021

The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender expression, national origin, marital status, race, religion, sex or sexual orientation. Individuals who wish to file a discrimination complaint, may call the Executive Director, Benefits & EEO Compliance at 754-321-2150 or Teletype Machine (TTY) at 754-321-2158.

Individuals with disabilities requesting accommodations under the Americans with Disabilities Act (ADA) may call the Equal Educational Opportunities (EEO) at 754-321-2150 or Teletype Machine (TTY) at 754-321-2158.

COLD SURFACE INSULATION. Dimensions listed are black steel I.D. pipe by 1" fire-rated armor-flex no. 11 or equal.

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
1	1/2 x 1"	50	L.F.	$ 3.30	$ 165.00	$ 2.82	$ 141.00
2	3/4 x 1"	2,000	L.F.	$ 4.27	$ 8,544.00	$ 3.69	$ 7,380.00
3	1 x1'	500	L.F.	$ 4.56	$ 2,280.00	$ 3.85	$ 1,925.00
4	1-1/4 x 1"	50	L.F.	$ 4.68	$ 234.00	$ 4.85	$ 242.50
5	2 x 1"	50	L.F.	$ 5.88	$ 294.00	$ 5.28	$ 264.00
6	2-1/2 x 1"	25	L.F.	$ 7.80	$ 195.00	$ 6.68	$ 167.00
7	3 x 1"	25	L.F.	$ 9.48	$ 237.00	$ 8.00	$ 200.00
8	4 x 1"	25	L.F.	$ 15.36	$ 384.00	$ 13.82	$ 345.50
9	Fire- rated Armor-Flex no. 11 or equal installed on centrifugal chiller evaporators. Insulation to be 1" thick sheeting, applied with adhesive as recommended by manufacturer. Armor-Flex	6,000	sqft	$ 21.60	$ 129,600.00	6.31	$ 37,860.00

CHILLED WATER PUMP. Foamglas insulation to be used with removable strainer caps and plugs.

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
10	Pump size 3”	15	ea	$ 207.00	$ 3,105.00	$ 53.33	$ 799.95
11	Pump size 4”	15	ea	$ 310.50	$ 4,657.50	$ 66.67	$ 1,000.05
12	Pump size 6”	5	ea	$ 517.50	$ 2,587.50	$ 80.00	$ 400.00
13	Pump size 8”	5	ea	$ 621.00	$ 3,105.00	$ 106.67	$ 533.35
14	Pump size 10”	5	ea	$ 724.50	$ 3,622.50	$ 133.33	$ 666.65
15	Pump size 12”	5	ea	$ 828.00	$ 4,140.00	$ 160.00	$ 800.00

PIPE INSULATION. indoor insulation, cellular glass installed with A. S. jacket interior-type insulation, using copper clad wire on 12” centers, dimensions listed are black steel I.D. pipe by thickness of cellular glass

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
16	1/2 x 1”	10	L.F.	$ 8.93	$ 89.28	$ 7.63	$ 76.30
17	3/4 x 1”	25	L.F.	$ 9.07	$ 226.80	$ 8.50	$ 212.50
18	1 x 1-1/2”	50	L.F.	$ 11.86	$ 593.10	$ 9.33	$ 466.50
19	1-1/4 x 1-1/2”	1000	L.F.	$ 14.06	$ 14,058.00	$ 10.00	$ 10,000.00
20	1-1/2 x 1-1/2”	1000	L.F.	$ 14.22	$ 14,220.00	$ 10.67	$ 10,670.00
21	2 x 1-1/2”	1000	L.F.	$ 16.29	$ 16,290.00	$ 11.60	$ 11,600.00
22	2-1/2 x 1-1/2”	250	L.F.	$ 24.84	$ 6,210.00	$ 12.80	$ 3,200.00
23	3 x 1-1/2”	250	L.F.	$ 23.98	$ 5,994.00	$ 13.13	$ 3,282.50
24	4 x 2”	250	L.F.	$ 30.31	$ 7,578.00	$ 21.33	$ 5,332.50
25	5 x 2”	250	L.F.	$ 35.06	$ 8,766.00	$ 22.00	$ 5,500.00
26	6 x 2”	1250	L.F.	$ 40.73	$ 50,917.50	$ 22.57	$ 28,212.50
27	8 x 2”	1250	L.F.	$ 48.46	$ 60,570.00	$ 29.60	$ 37,000.00
28	10 x 2”	750	L.F.	$ 57.51	$ 43,132.50	$ 32.21	$ 24,157.50
29	12 x 2”	25	L.F.	$ 68.26	$ 1,706.40	$ 38.51	$ 962.75

PIPE INSULATION, outdoor installation, cellular glass installed with copper clad wire and .016 aluminum jacket with vapor barrier, dimensions listed are black steel I.D. pipe by thickness of cellular glass

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
30	1 x 1 -1/2”	250	L.F.	$ 19.06	$ 4,765.50	$ 15.22	$ 3,805.00
31	2 x 2	750	L.F.	$ 28.44	$ 21,330.00	$ 20.21	$ 15,157.50
32	2-1/2 x 2”	1,000	L.F.	$ 30.78	$ 30,780.00	$ 21.82	$ 21,820.00
33	3 x 2”	500	L.F.	$ 33.16	$ 16,578.00	$ 23.90	$ 11,950.00
34	4 x 2”	500	L.F.	$ 35.71	$ 17,856.00	$ 30.93	$ 15,465.00
35	5 x 2”	250	L.F.	$ 40.46	$ 10,116.00	$ 33.07	$ 8,267.50
36	6 x 2”	2,500	L.F.	$ 44.33	$ 110,835.00	$ 36.49	$ 91,225.00
37	8 x 2”	2,750	L.F.	$ 52.06	$ 143,154.00	$ 38.54	$ 105,985.00
38	10 x 2”	750	L.F.	$ 64.71	$ 48,532.50	$ 49.43	$ 37,072.50
39	12 x 2”	125	L.F.	$ 77.26	$ 9,657.00	$ 55.70	$ 6,962.50

PIPE FITTINGS, indoor insulation, cellular glass installed with copper clad wire, mitered fittings, mastic-coated, fabric cloth and final mastic coating, dimensions listed are black steel elbows I.D. by thickness of cellular glass

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
40	1/2 x 1- 1/2”	10	ea	$ 16.88	$ 168.84	$ 24.53	$ 245.30
41	3/4 x 1-1/2”	10	ea	$ 16.85	$ 168.48	$ 24.53	$ 245.30
42	1 x 1-1/2”	10	ea	$ 20.12	$ 201.24	$ 26.04	$ 260.40
43	1-1/4 x 1-1/2”	50	ea	$ 24.52	$ 1,225.80	$ 28.00	$ 1,400.00
44	1-1/2 x 1-1/2”	50	ea	$ 24.80	$ 1,240.20	$ 29.28	$ 1,464.00
45	2 x 1-1/2”	50	ea	$ 28.98	$ 1,449.00	$ 33.49	$ 1,674.50
46	2-1/2 x 1-1/2”	25	ea	$ 38.88	$ 972.00	$ 34.47	$ 861.75
47	3 x 1-1/2”	25	ea	$ 40.75	$ 1,018.80	$ 35.73	$ 893.25

48	4 x 2”	25	ea	$	49.82	$	1,245.60	$ 46.93	$ 1,173.25
49	5 x 2”	40	ea	$	55.73	$	2,229.12	$ 54.40	$ 2,176.00
50	6 x 2”	50	ea	$	67.07	$	3,353.40	$ 70.21	$ 3,510.50
51	8 x 2”	50	ea	$	82.51	$	4,125.60	$ 91.01	$ 4,550.50
52	10 x 2”	5	ea	$	100.62	$	503.10	$ 113.60	$ 568.00
53	12 x 2”	5	ea	$	118.51	$	592.56	$ 164.37	$ 821.85

PIPE FITTINGS, outdoor insulation, cellular glass installed with copper clad wire on 12” centers and .016 aluminum jacket with vapor barrier or D. C. F. jacket dimensions listed are black steel elbows I. D. by thickness of cellular glass

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
54	1-1/4 x 2”	25	ea	$ 44.59	$ 1,114.80	$ 36.96	$ 924.00
55	1-1/2 x 2”	25	ea	$ 56.64	$ 1,416.00	$ 41.41	$ 1,035.25
56	2 x 2”	25	ea	$ 51.84	$ 1,296.00	$ 48.15	$ 1,203.75
57	2-1/2 x 2”	25	ea	$ 58.08	$ 1,452.00	$ 49.21	$ 1,230.25
58	3 x 2”	20	ea	$ 59.62	$ 1,192.32	$ 52.21	$ 1,044.20
59	4 x 2”	20	ea	$ 66.43	$ 1,328.64	$ 67.99	$ 1,359.80
60	5 x 2”	30	ea	$ 74.30	$ 2,229.12	$ 80.30	$ 2,409.00
61	6 x 2”	30	ea	$ 89.42	$ 2,682.72	$ 101.49	$ 3,044.70
62	8 x 2”	25	ea	$ 110.02	$ 2,750.40	$ 130.24	$ 3,256.00
63	10 x 2”	5	ea	$ 134.16	$ 670.80	$ 170.45	$ 852.25
64	12 x 2”	5	ea	$ 158.02	$ 790.08	$ 233.25	$ 1,166.25

PIPE FITTINGS, indoor insulation, cellular glass installed with copper clad wire, 12” centers, mastic-coated, fabric cloth and final mastic coating, dimensions listed are equalized black steel tees

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
65	3/4”	5	ea	$ 55.20	$ 276.00	$ 24.53	$ 122.65

66	1”	5	ea	$	58.08	$	290.40	$	26.03	$	130.15
67	1-1/4”	40	ea	$	65.52	$	2,620.80	$	28.00	$	1,120.00
68	1-1/2”	40	ea	$	70.80	$	2,832.00	$	29.28	$	1,171.20
69	2”	15	ea	$	79.44	$	1,191.60	$	33.67	$	505.05
70	2-1/12”	15	ea	$	84.48	$	1,267.20	$	36.60	$	549.00
71	3”	20	ea	$	180.48	$	3,609.60	$	33.49	$	669.80
72	4”	20	ea	$	217.20	$	4,344.00	$	54.40	$	1,088.00
73	5”	25	ea	$	253.20	$	6,330.00	$	70.21	$	1,755.25
74	6”	30	ea	$	273.36	$	8,200.80	$	91.01	$	2,730.30
75	8”	30	ea	$	325.20	$	9,756.00	$	113.60	$	3,408.00
76	10”	5	ea	$	338.69	$	1,693.44	$	114.00	$	570.00
77	12”	5	ea	$	355.54	$	1,777.68	$	164.37	$	821.85

PIPE FITTINGS, outdoor insulation, installed with copper clad wire, 12” centers, mastic-coated, fabric cloth and final mastic coating, dimensions listed are equalized black steel tees

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure		Blizzard Air Conditioning LLC - Total $ Bid Line Item		Thermal Concepts, Inc.- Price Per Unit of Measure		Thermal Concepts, Inc.- Total $ Bid Line Item	
78	3/4”	5	ea	$	33.60	$	168.00	$	33.43	$	167.15
79	1”	5	ea	$	39.60	$	198.00	$	36.75	$	183.75
80	1-1/4”	20	ea	$	42.30	$	846.00	$	36.96	$	739.20
81	1-1/2”	20	ea	$	42.90	$	858.00	$	41.51	$	830.20
82	2”	20	ea	$	52.50	$	1,050.00	$	48.15	$	963.00
83	2-1/2”	20	ea	$	68.70	$	1,374.00	$	49.21	$	984.20
84	3”	20	ea	$	71.70	$	1,434.00	$	52.21	$	1,044.20
85	4”	20	ea	$	257.70	$	5,154.00	$	67.99	$	1,359.80
86	5”	25	ea	$	410.40	$	10,260.00	$	80.30	$	2,007.50
87	6”	20	ea	$	420.00	$	8,400.00	$	101.49	$	2,029.80
88	8”	10	ea	$	427.74	$	4,277.40	$	130.24	$	1,302.40
89	10”	5	ea	$	465.00	$	2,325.00	$	170.45	$	852.25
90	12”	5	ea	$	480.00	$	2,400.00	$	233.25	$	1,166.25

GALVANIZED STEEL SHEET METAL PIPE SADDLES, for insulated pipe, 18-gauge for the following I.D. pipe sizes

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
91	1/2”	5	ea	$ 5.04	$ 25.20	$ 1.60	$ 8.00
92	3/4”	5	ea	$ 7.44	$ 37.20	$ 1.60	$ 8.00
93	1”	5	ea	$ 9.12	$ 45.60	$ 1.60	$ 8.00
94	2”	10	ea	$ 10.08	$ 100.80	$ 2.20	$ 22.00
95	2-1/2”	10	ea	$ 16.32	$ 163.20	$ 2.20	$ 22.00
96	3”	5	ea	$ 18.24	$ 91.20	$ 3.00	$ 15.00
97	4”	10	ea	$ 20.16	$ 201.60	$ 3.00	$ 30.00
98	5”	15	ea	$ 22.20	$ 333.00	$ 3.60	$ 54.00
99	6”	15	ea	$ 22.80	$ 342.00	$ 4.40	$ 66.00
100	8”	15	ea	$ 25.20	$ 378.00	$ 5.00	$ 75.00
101	10”	10	ea	$ 26.88	$ 268.80	$ 6.00	$ 60.00
102	12”	10	ea	$ 28.80	$ 288.00	$ 7.00	$ 70.00

SCREWED OR FLANGED STRAINERS, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
103	1 x 1-1/2”	25	ea	$ 153.00	$ 3,825.00	$ 56.72	$ 1,418.00
104	1-1/4 x 1-1/2”	25	ea	$ 171.00	$ 4,275.00	$ 56.72	$ 1,418.00
105	1-1/2 x 1-1/2”	25	ea	$ 243.00	$ 6,075.00	$ 56.72	$ 1,418.00
106	2 x 1-1/2”	25	ea	$ 289.80	$ 7,245.00	$ 73.13	$ 1,828.25
107	2-1/2 x 1-1/2”	40	ea	$ 327.60	$ 13,104.00	$ 73.13	$ 2,925.20
108	3 x 1-1/2”	40	ea	$ 342.00	$ 13,680.00	$ 83.58	$ 3,343.20
109	4 x 2”	40	ea	$ 369.00	$ 14,760.00	$ 133.58	$ 5,343.20
110	5 x 2”	10	ea	$ 399.60	$ 3,996.00	$ 156.06	$ 1,560.60
111	6 x 2”	10	ea	$ 450.00	$ 4,500.00	$ 175.66	$ 1,756.60
112	8 x 2”	10	ea	$ 522.00	$ 5,220.00	$ 272.00	$ 2,720.00
113	10 x 2”	10	ea	$ 621.00	$ 6,210.00	$ 329.94	$ 3,299.40
114	12 x 2”	10	ea	$ 648.00	$ 6,480.00	$ 371.07	$ 3,710.70

SCREWED OR FLANGED GATE VALVES, (long or short bonnet)

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
115	1 x 1-1/2"	25	ea	$ 36.00	$ 900.00	$ 20.00	$ 500.00
116	1-1/4 x 1-1/2"	25	ea	$ 45.00	$ 1,125.00	$ 22.75	$ 568.75
117	1-1/2 x 1-1/2"	25	ea	$ 86.40	$ 2,160.00	$ 26.81	$ 670.25
118	2 x 1-1/2"	25	ea	$ 91.80	$ 2,295.00	$ 26.81	$ 670.25
119	2-1/2 x 1-1/2"	25	ea	$ 100.80	$ 2,520.00	$ 52.30	$ 1,307.50
120	3 x 1-1/2"	25	ea	$ 108.00	$ 2,700.00	$ 52.30	$ 1,307.50
121	4 x 2"	25	ea	$ 153.00	$ 3,825.00	$ 79.40	$ 1,985.00
122	5 x 2"	25	ea	$ 162.00	$ 4,050.00	$ 85.37	$ 2,134.25
123	6 x 2"	25	ea	$ 198.00	$ 4,950.00	$ 103.46	$ 2,586.50
124	8 x 2"	5	ea	$ 207.00	$ 1,035.00	$ 103.46	$ 517.30
125	10 x 2"	5	ea	$ 216.00	$ 1,080.00	$ 136.21	$ 681.05
126	12 x 2"	5	ea	$ 270.00	$ 1,350.00	$ 159.64	$ 798.20

SCREWED OR FLANGED BALANCING CONTROL VALVES, (plug or cock type) exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
127	1 x 1-1/2"	25	ea	$ 27.00	$ 675.00	$ 20.00	$ 500.00
128	1-1/4 x 1-1/2"	25	ea	$ 45.00	$ 1,125.00	$ 22.75	$ 568.75
129	1-1/2 x 1-1/2"	25	ea	$ 86.40	$ 2,160.00	$ 26.81	$ 670.25
130	2 x 1-1/2"	25	ea	$ 91.80	$ 2,295.00	$ 52.30	$ 1,307.50
131	2-1/2 x 1-1/2"	25	ea	$ 100.80	$ 2,520.00	$ 52.30	$ 1,307.50
132	3 x 1-1/2"	25	ea	$ 108.00	$ 2,700.00	$ 79.40	$ 1,985.00
133	4 x2"	25	ea	$ 153.00	$ 3,825.00	$ 85.37	$ 2,134.25
134	5 x 2"	25	ea	$ 162.00	$ 4,050.00	$ 103.46	$ 2,586.50
135	6 x 2"	25	ea	$ 198.00	$ 4,950.00	$ 106.46	$ 2,661.50
136	8 X 2"	5	ea	$ 207.00	$ 1,035.00	$ 136.30	$ 681.50

137	10 x 2"	5	ea	$ 216.00	$ 1,080.00	$ 137.25	$ 686.25
138	12 x 2"	5	ea	$ 270.00	$ 1,350.00	$ 159.64	$ 798.20

SCREWED OR FLANGED BUTTERFLY VALVES, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
139	1 x 1-1/2"	15	ea	$ 45.00	$ 675.00	$ 33.81	$ 507.15
140	1-1/4 x 1-1/2"	15	ea	$ 52.20	$ 783.00	$ 33.81	$ 507.15
141	1-1/2 x 1-1/2"	15	ea	$ 55.80	$ 837.00	$ 38.06	$ 570.90
142	2 x 1-1/2"	15	ea	$ 81.00	$ 1,215.00	$ 52.99	$ 794.85
143	2-1/2 x 1-1/2"	15	ea	$ 88.20	$ 1,323.00	$ 68.75	$ 1,031.25
144	3 x 1-1/2"	10	ea	$ 140.40	$ 1,404.00	$ 79.40	$ 794.00
145	4 x 2"	30	ea	$ 153.00	$ 4,590.00	$ 89.09	$ 2,672.70
146	5 x 2"	30	ea	$ 171.00	$ 5,130.00	$ 102.99	$ 3,089.70
147	6 x 2"	30	ea	$ 216.00	$ 6,480.00	$ 121.64	$ 3,649.20
148	8 x 2"	10	ea	$ 279.00	$ 2,790.00	$ 144.93	$ 1,449.30
149	10 x2"	5	ea	$ 288.00	$ 1,440.00	$ 152.54	$ 762.70
150	12 x 2"	5	ea	$ 320.40	$ 1,602.00	$ 170.45	$ 852.25

SCREWED OR FLANGED 3-WAY CONTROL VALVES, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
151	1 x 1-1/2"	10	ea	$ 45.00	$ 450.00	$ 33.58	$ 335.80
152	1-1/4 x 1-1/2"	10	ea	$ 55.80	$ 558.00	$ 34.33	$ 343.30
153	1-1/2 x 1-1/2"	10	ea	$ 63.00	$ 630.00	$ 36.57	$ 365.70
154	2 x 1-1/2"	10	ea	$ 81.00	$ 810.00	$ 48.51	$ 485.10
155	2-1/2 x 1-1/2"	10	ea	$ 100.80	$ 1,008.00	$ 74.03	$ 740.30
156	3 x 1-1/2"	5	ea	$ 126.00	$ 630.00	$ 76.12	$ 380.60
157	4 x 2"	5	ea	$ 154.80	$ 774.00	$ 89.48	$ 447.40
158	5 x 2"	5	ea	$ 162.00	$ 810.00	$ 92.61	$ 463.05
159	6 x 2"	5	ea	$ 216.00	$ 1,080.00	$ 102.89	$ 514.45

160	8 x 2”	5	ea	$	270.00	$	1,350.00	$	130.15	$	650.75
161	10 x 2”	5	ea	$	334.80	$	1,674.00	$	177.91	$	889.55
162	12 x 2”	5	ea	$	369.00	$	1,845.00	$	232.00	$	1,160.00

PAIRED FLANGES WITH FLANGE COVERS, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
163	2 x 1-1/2”	20	ea	$ 88.20	$ 1,764.00	$ 52.99	$ 1,059.80
164	2-1/2 x 1-1/2”	20	ea	$ 135.00	$ 2,700.00	$ 68.75	$ 1,375.00
165	3 x 1-1/2”	10	ea	$ 153.00	$ 1,530.00	$ 79.40	$ 794.00
166	4 x 2”	25	ea	$ 167.40	$ 4,185.00	$ 89.09	$ 2,227.25
167	5 x 2”	25	ea	$ 189.00	$ 4,725.00	$ 102.99	$ 2,574.75
168	6 x 2”	25	ea	$ 234.00	$ 5,850.00	$ 121.64	$ 3,041.00
169	8 x 2”	10	ea	$ 279.00	$ 2,790.00	$ 144.93	$ 1,449.30
170	10 x 2”	5	ea	$ 302.40	$ 1,512.00	$ 152.54	$ 762.70
171	12 x 2”	5	ea	$ 324.00	$ 1,620.00	$ 17.15	$ 85.75

SCREW UNIONS, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
172	1 x 1-1/2”	25	ea	$ 36.00	$ 900.00	$ 5.22	$ 130.50
173	1-1/4x 1-1/2”	25	ea	$ 45.00	$ 1,125.00	$ 6.72	$ 168.00
174	1-1/2 x 1-1/12”	25	ea	$ 57.60	$ 1,440.00	$ 8.21	$ 205.25
175	2 x 1-1/2”	25	ea	$ 63.00	$ 1,575.00	$ 9.70	$ 242.50
176	2-1/2 x 1-1/2”	25	ea	$ 81.00	$ 2,025.00	$ 13.06	$ 326.50
177	3 x 1-1/2”	10	ea	$ 135.00	$ 1,350.00	$ 14.93	$ 149.30
178	4 x 2”	10	ea	$ 165.60	$ 1,656.00	$ 18.66	$ 186.60
179	6 x 2”	20	ea	$ 189.00	$ 3,780.00	$ 24.63	$ 492.60
180	8 x 2”	5	ea	$ 266.40	$ 1,332.00	$ 26.87	$ 134.35
181	10 x 2”	5	ea	$ 288.00	$ 1,440.00	$ 37.31	$ 186.55

182	12 x2"	5	ea	$	324.00	$	1,620.00	$ 53.73	$ 268.65

45- DEGREE FITTINGS (screw or weld), exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
183	1 x 1-1/2"	15	ea	$ 45.00	$ 675.00	$ 29.15	$ 437.25
184	1-1/4 x 1-1/2"	25	ea	$ 55.80	$ 1,395.00	$ 31.34	$ 783.50
185	1-1/2 x 1-1/2"	25	ea	$ 70.20	$ 1,755.00	$ 32.78	$ 819.50
186	2 x 1-1/2"	25	ea	$ 77.40	$ 1,935.00	$ 37.49	$ 937.25
187	2-1/2 x 1-1/12"	15	ea	$ 81.00	$ 1,215.00	$ 38.58	$ 578.70
188	3 x 1-1/2"	15	ea	$ 135.00	$ 2,025.00	$ 38.81	$ 582.15
189	4 x 2"	15	ea	$ 160.20	$ 2,403.00	$ 52.54	$ 788.10
190	5 x 2"	25	ea	$ 189.00	$ 4,725.00	$ 60.69	$ 1,517.25
191	6 x 2"	25	ea	$ 234.00	$ 5,850.00	$ 78.60	$ 1,965.00
192	8 x 2"	5	ea	$ 255.60	$ 1,278.00	$ 101.88	$ 509.40
193	10 x 2"	5	ea	$ 270.00	$ 1,350.00	$ 127.16	$ 635.80
194	12 x 2"	5	ea	$ 288.00	$ 1,440.00	$ 184.00	$ 920.00

FLEX AND PUMP CONNECTORS, flanged, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
195	2 x 1-1/2"	25	ea	$ 88.20	$ 2,205.00	$ 52.99	$ 1,324.75
196	2-1/2 x 1- 1/2"	25	ea	$ 122.40	$ 3,060.00	$ 68.75	$ 1,718.75
197	3 x 1-1/2"	25	ea	$ 142.20	$ 3,555.00	$ 79.40	$ 1,985.00
198	4 x 2"	25	ea	$ 160.20	$ 4,005.00	$ 89.09	$ 2,227.25
199	5 x 2"	25	ea	$ 181.80	$ 4,545.00	$ 102.99	$ 2,574.75
200	6 x 2"	25	ea	$ 226.80	$ 5,670.00	$ 121.64	$ 3,041.00
201	8 x 2"	5	ea	$ 255.60	$ 1,278.00	$ 144.93	$ 724.65
202	10 x 2 "	5	ea	$ 279.00	$ 1,395.00	$ 152.54	$ 762.70
203	12 x 2"	5	ea	$ 288.00	$ 1,440.00	$ 170.15	$ 850.75

CIRCUIT SETTERS, ANNUBAR FITTINGS, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
204	1 x 1-1/2"	20	ea	$ 21.60	$ 432.00	$ 13.55	$ 271.00
205	1-1/4 x 1-1/2"	20	ea	$ 23.76	$ 475.20	$ 13.94	$ 278.80
206	1-1/2 x 1-1/2"	20	ea	$ 27.00	$ 540.00	$ 15.30	$ 306.00
207	2 x 1-1/2"	20	ea	$ 34.20	$ 684.00	$ 17.69	$ 353.80
208	2-1/2 x 1-1/2"	20	ea	$ 39.78	$ 795.60	$ 23.36	$ 467.20
209	3 x 1-1/2"	10	ea	$ 50.94	$ 509.40	$ 27.61	$ 276.10
210	4 x 2"	10	ea	$ 58.50	$ 585.00	$ 33.58	$ 335.80
211	5 x 2"	10	ea	$ 61.74	$ 617.40	$ 34.33	$ 343.30
212	6 x 2"	10	ea	$ 81.00	$ 810.00	$ 43.28	$ 432.80
213	8 x 2"	4	ea	$ 88.20	$ 352.80	$ 47.76	$ 191.04
214	10 x 2"	4	ea	$ 100.80	$ 403.20	$ 51.49	$ 205.96
215	2" Fiberglass Duct Wrap, finished with FSK tape or mastic on seams	250	S.F.	$ 1.68	$ 420.00	$ 1.46	$ 365.00
216	2.33" Fiberglass Duct Wrap, finished with FSK tape or mastic on seams, R-6 installed	4,000	S.F.	$ 1.68	$ 6,720.00	$ 1.46	$ 5,840.00
217	2" Fiberglass Duct Board, 3- pound density, finished with FSK tape, interior	250	S.F.	$ 5.04	$ 1,260.00	$ 4.24	$ 1,060.00
218	2" Fiberglass Duct Board, 3-pound density, finished with FSK tape, exterior	250	S.F.	$ 9.36	$ 2,340.00	$ 7.11	$ 1,777.50

PREFABRICATED OR FIELD-FABRICATED ALUMINUM FITTING COVERS, 45–AND 90 degree elbows, equalized tees, screw or weld, exterior finish

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
219	1”	10	ea	$ 30.60	$ 306.00	$ 17.56	$ 175.60
220	1-1/2”	25	ea	$ 33.30	$ 832.50	$ 18.72	$ 468.00
221	2”	25	ea	$ 38.70	$ 967.50	$ 20.39	$ 509.75
222	2-1/2”	25	ea	$ 41.40	$ 1,035.00	$ 21.53	$ 538.25
223	3”	15	ea	$ 68.40	$ 1,026.00	$ 23.33	$ 349.95
224	4”	15	ea	$ 63.00	$ 945.00	$ 25.28	$ 379.20
225	5”	15	ea	$ 70.20	$ 1,053.00	$ 30.00	$ 450.00
226	6”	15	ea	$ 99.00	$ 1,485.00	$ 30.69	$ 460.35
227	8”	25	ea	$ 115.20	$ 2,880.00	$ 34.86	$ 871.50
228	10”	15	ea	$ 135.00	$ 2,025.00	$ 55.88	$ 838.20
229	12”	15	ea	$ 142.20	$ 2,133.00	$ 61.81	$ 927.15

HOT SURFACE INSULATION, sizes listed are for 21’ lengths of black steel I.D. pipe FIBERGLASS PIPE INSULATION WITH FITTING COVERS AND JACKETING

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
230	1/2”	63	L.F.	$ 2.70	$ 170.10	$ 2.66	$ 167.58
231	3/4”	63	L.F.	$ 2.97	$ 187.11	$ 2.66	$ 167.58
232	1”	63	L.F.	$ 3.24	$ 204.12	$ 2.98	$ 187.74
233	1-1/2”	315	L.F.	$ 3.51	$ 1,105.65	$ 3.30	$ 1,039.50
234	2”	315	L.F.	$ 3.78	$ 1,190.70	$ 3.72	$ 1,171.80
235	2-1/2”	315	L.F.	$ 4.14	$ 1,304.10	$ 3.99	$ 1,256.85
236	3”	315	L.F.	$ 7.38	$ 2,324.70	$ 4.34	$ 1,367.10
237	4”	315	L.F.	$ 8.28	$ 2,608.20	$ 5.23	$ 1,647.45

HOT WATER INDOOR PIPING,FLANGED VALVES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning- Price Per Unit of Measure	Blizzard Air Conditioning- Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
238	2”	5	ea	$ 28.44	$ 142.20	$ 20.85	$ 104.25
239	3”	5	ea	$ 35.10	$ 175.50	$ 23.94	$ 119.70
240	4”	5	ea	$ 39.60	$ 198.00	$ 27.77	$ 138.85

HOT WATER INDOOR PIPING, 45-AND 90-DEGREE ELBOWS, insulated per the Bid Specifications preformed Zeston or Proto fitting covers

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
241	1/2” 45-degrees	25	ea	$ 5.42	$ 135.45	$ 1.63	$ 40.75
242	1/2” 90-degrees	25	ea	$ 6.12	$ 153.00	$ 1.63	$ 40.75
243	3/4” 45-degrees	25	ea	$ 6.30	$ 157.50	$ 1.63	$ 40.75
244	3/4” 90-degrees	25	ea	$ 6.32	$ 157.95	$ 1.63	$ 40.75
245	1” 45-degrees	25	ea	$ 7.56	$ 189.00	$ 1.63	$ 40.75
246	1” 90- degrees	25	ea	$ 7.65	$ 191.25	$ 1.63	$ 40.75
247	1-1/2” 45-degrees	25	ea	$ 7.65	$ 191.25	$ 2.17	$ 54.25
248	1-1/2” 90-degrees	25	ea	$ 8.80	$ 220.05	$ 2.17	$ 54.25
249	2” 45-degrees	25	ea	$ 9.72	$ 243.00	$ 2.17	$ 54.25
250	2” 90-degrees	25	ea	$ 9.76	$ 243.90	$ 2.17	$ 54.25
251	2-1/2” 45-degrees	25	ea	$ 10.60	$ 265.05	$ 4.62	$ 115.50
252	2-1/2” 90-degrees	25	ea	$ 10.71	$ 267.75	$ 4.62	$ 115.50
253	3” 45-degrees	25	ea	$ 10.89	$ 272.25	$ 4.73	$ 118.25
254	3” 90-degrees	25	ea	$ 10.91	$ 272.70	$ 4.73	$ 118.25
255	4” 45-degrees	25	ea	$ 12.40	$ 310.05	$ 5.00	$ 125.00
256	4” 90-degrees	25	ea	$ 12.42	$ 310.50	$ 5.00	$ 125.00

HOT WATER INDOOR PIPING EQUALIZED TEES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
257	3/4”	20	ea	$ 13.50	$ 270.00	$ 9.73	$ 194.68
258	1”	20	ea	$ 20.70	$ 414.00	$ 11.52	$ 230.40
259	1-1/2”	20	ea	$ 25.56	$ 511.20	$ 14.02	$ 280.40
260	2”	20	ea	$ 26.82	$ 536.40	$ 15.76	$ 315.20
261	2-1/2”	20	ea	$ 31.68	$ 633.60	$ 18.21	$ 364.20
262	3”	20	ea	$ 35.10	$ 702.00	$ 20.54	$ 410.80
263	4”	20	ea	$ 37.44	$ 748.80	$ 21.63	$ 432.60

BOILER VESSELS AND CONDENSATE TANKS

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
264	insulated with 4” fiberglass pipe and	125	sqft	$ 18.90	$ 2,362.50	$ 8.78	$ 1,097.50
265	insulated with 2” calcium silicate	125	sqft	$ 20.34	$ 2,542.50	$ 6.28	$ 785.00
266	insulated wit 2” fiberglass pipe and tank wrap	150	sqft	$ 20.34	$ 3,051.00	$ 6.28	$ 942.00

BOILIER EXHAUST STACKS, insulated with calcium silicate per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
267	4”	10	L.F.	$ 24.84	$ 248.40	$ 14.86	$ 148.60
268	6”	10	L.F.	$ 31.68	$ 316.80	$ 18.52	$ 185.20
269	8”	10	L.F.	$ 38.43	$ 384.30	$ 22.32	$ 223.20
270	10”	10	L.F.	$ 47.52	$ 475.20	$ 27.67	$ 276.70

271	12”	10	L.F.	$	55.44	$	554.40	$	31.69	$	316.90
272	14”	10	L.F.	$	59.06	$	590.58	$	33.81	$	338.10
273	16”	10	L.F.	$	69.30	$	693.00	$	39.71	$	397.10
274	18”	10	L.F.	$	82.62	$	826.20	$	46.76	$	467.60
275	20”	10	L.F.	$	102.78	$	1,027.80	$	58.11	$	581.10

STEAM SYSTEMS INDOOR PIPING, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
276	1/2”	63	L.F.	$ 4.01	$ 252.88	$ 3.47	$ 218.61
277	3/4”	63	L.F.	$ 4.23	$ 266.49	$ 3.72	$ 234.36
278	1”	63	L.F.	$ 4.39	$ 276.70	$ 4.52	$ 284.76
279	1-1/2”	63	L.F.	$ 4.86	$ 306.18	$ 5.32	$ 335.16
280	2”	63	L.F.	$ 6.89	$ 434.32	$ 6.12	$ 385.56
281	2-1/2”	63	L.F.	$ 7.33	$ 461.54	$ 6.65	$ 418.95
282	3”	63	L.F.	$ 8.17	$ 514.84	$ 7.18	$ 452.34
283	4”	63	L.F.	$ 9.07	$ 571.54	$ 9.56	$ 602.28

STEAM SYSTEMS INDOOR PIPING, 45-AND 90-DEGREE ELBOWS, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
284	1/2” 45-degrees	25	ea	$ 2.70	$ 67.50	$ 2.66	$ 66.50
285	1/2” 90-degrees	25	ea	$ 2.90	$ 72.45	$ 2.66	$ 66.50
286	3/4” 45-degrees	25	ea	$ 3.24	$ 81.00	$ 2.98	$ 74.50
287	3/4” 90-degrees	25	ea	$ 3.24	$ 81.00	$ 2.98	$ 74.50
288	1” 45-degrees	25	ea	$ 3.42	$ 85.50	$ 2.98	$ 74.50
289	1” 90-degrees	25	ea	$ 3.51	$ 87.75	$ 2.98	$ 74.50
290	1-1/2” 45-degrees	25	ea	$ 4.50	$ 112.50	$ 3.30	$ 82.50
291	1-1/2” 90-degrees	25	ea	$ 4.68	$ 117.00	$ 3.30	$ 82.50
292	2” 45-degrees	25	ea	$ 4.95	$ 123.75	$ 3.99	$ 99.75

293	2” 90-degrees	25	ea	$	5.04	$	126.00	$	3.99	$	99.75
294	2-1/2” 45-degrees	25	ea	$	5.58	$	139.50	$	3.99	$	99.75
295	2-1/2” 90-degrees	25	ea	$	5.58	$	139.50	$	3.99	$	99.75
296	3” 45-degrees	25	ea	$	8.82	$	220.50	$	4.34	$	108.50
297	3” 90-degrees	25	ea	$	8.82	$	220.50	$	4.34	$	108.50
298	4” 45-degrees	25	ea	$	10.98	$	274.50	$	5.23	$	130.75
299	4” 90-degrees	25	ea	$	10.98	$	274.50	$	5.23	$	130.75

HOT WATER OUTDOOR PIPING, 45-AND 90 DEGREE ELBOWS, insulated per the Bid Specifications preformed Zeston or Proto fitting covers

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
300	1/2” 45-degrees	25	ea	$ 9.72	$ 243.00	$ 5.68	$ 142.00
301	1/2” 90-degrees	25	ea	$ 10.44	$ 261.00	$ 5.68	$ 142.00
302	3/4” 45-degrees	25	ea	$ 11.25	$ 281.25	$ 6.25	$ 156.25
303	3/4” 90-degrees	25	ea	$ 11.27	$ 281.70	$ 6.25	$ 156.25
304	1” 45-degrees	25	ea	$ 11.70	$ 292.50	$ 6.82	$ 170.50
305	1”90-degrees	25	ea	$ 12.42	$ 310.50	$ 7.39	$ 184.75
306	1-1/2” 45-degrees	25	ea	$ 12.78	$ 319.50	$ 7.95	$ 198.75
307	1-1/2” 90-degrees	25	ea	$ 14.94	$ 373.50	$ 8.52	$ 213.00
308	2” 45-degrees	25	ea	$ 16.72	$ 418.05	$ 9.66	$ 241.50
309	2” 90-degrees	25	ea	$ 18.90	$ 472.50	$ 9.94	$ 248.50
310	2-1/2” 45-degrees	25	ea	$ 19.62	$ 490.50	$ 11.36	$ 284.00
311	2-1/2” 90-degrees	25	ea	$ 23.22	$ 580.50	$ 11.93	$ 298.25
312	3” 45-degrees	25	ea	$ 23.58	$ 589.50	$ 13.07	$ 326.75
313	3” 90-degrees	25	ea	$ 23.58	$ 589.50	$ 13.64	$ 341.00
314	4” 45-degrees	25	ea	$ 26.28	$ 657.00	$ 15.91	$ 397.75
315	4” 90-degrees	25	ea	$ 28.98	$ 724.50	$ 16.48	$ 412.00

HOT WATER OUTDOOR PIPING, EQUALIZED TEES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
316	3/4”	15	ea	$ 18.92	$ 283.77	$ 11.36	$ 170.40
317	1”	15	ea	$ 24.30	$ 364.50	$ 11.93	$ 178.95
318	1-1/2”	15	ea	$ 26.10	$ 391.50	$ 14.20	$ 213.00
319	2”	10	ea	$ 27.18	$ 271.80	$ 15.91	$ 159.10
320	2-1/2”	15	ea	$ 30.96	$ 464.40	$ 18.18	$ 272.70
321	3”	15	ea	$ 30.96	$ 464.40	$ 18.75	$ 281.25
322	4”	15	ea	$ 35.10	$ 526.50	$ 20.45	$ 306.75

HOT WATER OUTDOOR PIPING FLANGED VALVES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
323	2”	5	ea	$ 33.48	$ 167.40	$ 29.43	$ 147.15
324	3”	5	ea	$ 38.52	$ 192.60	$ 33.68	$ 168.40
325	4”	5	ea	$ 43.80	$ 219.00	$ 37.48	$ 187.40

STEAM SYSTEMS OUTDOOR PIPING, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
326	1/2”	21	L.F.	$ 5.42	$ 113.78	$ 3.02	$ 63.42
327	3/4”	21	L.F.	$ 5.42	$ 113.78	$ 3.02	$ 63.42
328	1”	21	L.F.	$ 5.76	$ 120.96	$ 3.39	$ 71.19
329	1-1/2”	21	L.F.	$ 6.57	$ 137.97	$ 3.75	$ 78.75
330	2”	21	L.F.	$ 7.42	$ 155.74	$ 4.23	$ 88.83
331	2-1/2”	21	L.F.	$ 7.65	$ 160.65	$ 4.53	$ 95.13
332	3”	21	L.F.	$ 8.14	$ 170.86	$ 4.93	$ 103.53
333	4”	21	L.F.	$ 10.17	$ 213.57	$ 5.94	$ 124.74

STEAM SYSTEMS OUTDOOR PIPING,45-AND 90- DEGREE ELBOWS, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.-Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
334	1/2" 45-degrees	25	ea	$ 10.08	$ 252.00	$ 5.68	$ 142.00
335	1/2" 90-degrees	25	ea	$ 10.08	$ 252.00	$ 5.68	$ 142.00
336	3/4" 45-degrees	25	ea	$ 10.62	$ 265.50	$ 6.25	$ 156.25
337	3/4" 90-degrees	25	ea	$ 10.98	$ 274.50	$ 5.50	$ 137.50
338	1" 45-degrees	25	ea	$ 12.24	$ 306.00	$ 6.82	$ 170.50
339	1" 90-degrees	25	ea	$ 12.96	$ 324.00	$ 7.39	$ 184.75
340	1-1/2" 45-degrees	25	ea	$ 14.58	$ 364.50	$ 7.95	$ 198.75
341	1-1/2" 90 degrees	25	ea	$ 15.30	$ 382.50	$ 8.52	$ 213.00
342	2" 45-degrees	25	ea	$ 17.39	$ 434.70	$ 9.66	$ 241.50
343	2" 90-degrees	25	ea	$ 17.73	$ 443.25	$ 9.94	$ 248.50
344	2-1/2" 45-degrees	25	ea	$ 20.70	$ 517.50	$ 11.36	$ 284.00
345	2-1/2" 90-degrees	25	ea	$ 21.42	$ 535.50	$ 11.93	$ 298.25
346	3" 45-degrees	25	ea	$ 23.58	$ 589.50	$ 13.07	$ 326.75
347	3" 90-degrees	25	ea	$ 24.30	$ 607.50	$ 13.64	$ 341.00
348	4" 45-segrees	25	ea	$ 28.44	$ 711.00	$ 15.91	$ 397.75
349	4" 90-degrees	25	ea	$ 29.70	$ 742.50	$ 16.48	$ 412.00
350	5" 45-degrees	5	ea	$ 31.68	$ 158.40	$ 17.61	$ 88.05
351	5" 90-degrees	5	ea	$ 35.10	$ 175.50	$ 18.18	$ 90.90

STEAM SYSTEMS OUTDOOR PIPIN, EQUALIZED TEES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
352	3/4"	25	ea	$ 20.45	$ 511.20	$ 11.36	$ 284.00
353	1"	25	ea	$ 21.78	$ 544.50	$ 11.93	$ 298.25
354	1-1/2"	25	ea	$ 25.02	$ 625.50	$ 14.20	$ 355.00

355	2”	25	ea	$	26.64	$	666.00	$	15.91	$	397.75
356	2-1/2”	10	ea	$	207.90	$	2,079.00	$	18.18	$	181.80
357	3”	10	ea	$	32.58	$	325.80	$	18.75	$	187.50
358	4”	10	ea	$	32.76	$	327.60	$	20.45	$	204.50
359	5”	10	ea	$	36.90	$	369.00	$	23.86	$	238.60

STEAM SYSTEMS OUTDOOR PIPING FLANGED VALVES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.-Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
360	2”	20	ea	$ 58.44	$ 1,168.80	$ 47.73	$ 954.60
361	3”	20	ea	$ 69.60	$ 1,392.00	$ 57.39	$ 1,147.80
362	4”	25	ea	$ 71.88	$ 1,797.00	$ 62.50	$ 1,562.50
363	5”	5	ea	$ 82.20	$ 411.00	$ 67.05	$ 335.25

KITCHEN STEAM SYSTEMS PIPING, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.-Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
364	1/2”	63	L.F.	$ 23.40	$ 1,474.20	$ 15.11	$ 951.93
365	3/4”	63	L.F.	$ 23.04	$ 1,451.52	$ 16.17	$ 1,018.71
366	1”	63	L.F.	$ 23.04	$ 1,451.52	$ 16.76	$ 1,055.88
367	1-1/2”	63	L.F.	$ 27.00	$ 1,701.00	$ 17.29	$ 1,089.27
368	2”	63	L.F.	$ 27.00	$ 1,701.00	$ 17.55	$ 1,105.65
369	2-1/2”	63	L.F.	$ 28.44	$ 1,791.72	$ 18.35	$ 1,156.05
370	3”	63	L.F.	$ 30.96	$ 1,950.48	$ 18.88	$ 1,189.44

KITCHEN STEAM SYSTEMS PIPING,45 insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
371	1/2” 45- degrees	20	ea	$ 9.58	$ 191.52	$ 5.32	$ 106.40

372	1/2" 90-degrees	20	ea	$	9.58	$	191.52	$	5.32	$	106.40
373	3/4" 45-degrees	20	ea	$	9.58	$	191.52	$	5.85	$	117.00
374	3/4" 90-degrees	20	ea	$	10.53	$	210.60	$	5.85	$	117.00
375	1" 45-degrees	20	ea	$	11.52	$	230.40	$	6.38	$	127.60
376	1" 90-degrees	20	ea	$	11.70	$	234.00	$	6.38	$	127.60
377	1-1/2" 45-degrees	20	ea	$	13.32	$	266.40	$	6.91	$	138.20
378	1-1/2" 90-degrees	20	ea	$	13.50	$	270.00	$	7.45	$	149.00
379	2" 45-degrees	20	ea	$	15.66	$	313.20	$	7.98	$	159.60
380	2" 90-degrees	20	ea	$	16.02	$	320.40	$	9.04	$	180.80
381	2-1/2" 45-degrees	20	ea	$	17.64	$	352.80	$	10.64	$	212.80
382	2-1/2" 90-degrees	20	ea	$	18.90	$	378.00	$	10.64	$	212.80
383	3" 45-degrees	20	ea	$	19.98	$	399.60	$	12.77	$	255.40
384	3" 90-degrees	20	ea	$	22.50	$	450.00	$	13.56	$	271.20

KITCHEN STEAM SYSTEMS PIPING, EQUALIZED TEES, insulated per the Bid Specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
385	3/4"	25	ea	$ 18.18	$ 454.50	$ 11.36	$ 284.00
386	1"	25	ea	$ 18.18	$ 454.50	$ 11.93	$ 298.25
387	1-1/2"	25	ea	$ 21.78	$ 544.50	$ 14.20	$ 355.00
388	2"	25	ea	$ 22.32	$ 558.00	$ 15.91	$ 397.75
389	2-1/2"	10	ea	$ 22.32	$ 223.20	$ 18.18	$ 181.80
390	3"	10	ea	$ 23.22	$ 232.20	$ 18.75	$ 187.50

EMERGENCY GENERATOR EXHAUST SYSTEMS PIPING AND MUFFLERS, insulated per the Bid specifications

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
391	2" O.D.	10	L.F.	$ 60.00	$ 600.00	$ 13.86	$ 138.60
392	3" O.D.	10	L.F.	$ 77.76	$ 777.60	$ 17.71	$ 177.10
393	4" O.D.	10	L.F.	$ 96.48	$ 964.80	$ 21.11	$ 211.10

394	6" O.D.	10	L.F.	$	102.72	$	1,027.20	$ 22.92	$ 229.20
395	8" O.D.	10	L.F.	$	146.40	$	1,464.00	$ 31.25	$ 312.50
396	10" O.D.	10	L.F.	$	165.60	$	1,656.00	$ 36.18	$ 361.80
397	12" O.D.	10	L.F.	$	202.08	$	2,020.80	$ 43.06	$ 430.60
398	14" O.D.	10	L.F.	$	207.36	$	2,073.60	$ 45.14	$ 451.40
399	16" O.D.	10	L.F.	$	250.08	$	2,500.80	$ 55.21	$ 552.10
400	18" O.D.	10	L.F.	$	301.92	$	3,019.20	$ 64.93	$ 649.30

HOURLY LABOR RATES for additional insulation project work beyond the scope of supply and service requirements and the Bid Specifications listed in Items A1-A400, above

Item #	Description	Estimated Quantity	Unit of Measure	Blizzard Air Conditioning LLC - Price Per Unit of Measure	Blizzard Air Conditioning LLC - Total $ Bid Line Item	Thermal Concepts, Inc.- Price Per Unit of Measure	Thermal Concepts, Inc.- Total $ Bid Line Item
401	SUPERVISOR, hourly labor rate	500	hr	$ 108.00	$ 54,000.00	$ 60.00	$ 30,000.00
402	FOREMAN, hourly labor rate	500	hr	$ 102.00	$ 51,000.00	$ 52.00	$ 26,000.00
403	MECHANIC, hourly labor rate	500	hr	$ 96.00	$ 48,000.00	$ 52.00	$ 26,000.00
404	HELPER/APPRENTICE, hourly labor rate	1,000	hr	$ 78.00	$ 78,000.00	$ 40.00	$ 40,000.00
	TOTAL ITEMS 1-404				$ 1,571,946.68		$ 895,930.49

LEGEND
PRIMARY
ALTERNATE

PROCUREMENT & WAREHOUSING SERVICES DEPARTMENT

Goal Setting Committee Summary of New Solicitations

New Solicitation No: RFP25- 154
New Solicitation Title: Playground Inspections
Proposed Spend Authority of New Solicitation: $ TBD
Category Code(s) (Materials Group) for New Solicitation: FMR
Requesting Department: Physical Plant Operations – Allen Behnke
Brief Description of Items/Nature of Services Requested: This Bid will be utilized to provide playground inspection.
How will the solicitation be structured (e.g.) firm, fixed, quotes, preapproved vendor, etc.): Pre Approved Vendor(s)
Award Method: Pre-Qualified Firm:
Total Number of Registered ESMWVBEs in Category Code(s) from B2Gnow:

Previous/Current Contract Information

Previous/Current Contract Title: New Bid

Previous/Current Contract Spend Authority: NEW

Previous/Current Contract Expiration Date: NEW

Previous/Current Contract Awarded Vendors:

In accordance with SBBC Policy No. 3330, and the results of the 2023 Disparity Study conducted by Keen Independent Research, The GSC has recommended:

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA
ECONOMIC DEVELOPMENT & DIVERSITY COMPLIANCE (EDDC)

EDDC API Assignment
Request Form

Purpose

The purpose of the EDDC API Assignment Request Form is to review upcoming procurement solicitations, not related to construction, in order to assign the Affirmative Procurement Initiatives (API) for use in District solicitations as part of, and in accordance with Policy 3330.

Purchasing Agent

Date Submitted to EDDC	10/28/2025	**Commodity**	FMR - Facilities/Maintenance/Repair
Name	Cheryl Fields	**Email**	cheryl.fields@browardschools.com

General Solicitation Information

Contract Type	Request For Proposals	**Title**	Playground Inspections
ID Number	RFP25-154	**Term**	3 YEARS WITH 2 ONE-YEAR RENEWALS
Department Requesting this Solicitation	Physical Plant Operations	**Department's Solicitation Manager**	Cheryl Fields
Estimated Spend Authority	**TBD**	**PreQual Required**	No
Materials Group	**FMR**	**PWS Commodity Code (Commodity/Subcategory)**	FMR
Award Method			

Task/Scope of Work	**Task 1**	Playground Inspections	**Task 5**	
	Task 2		**Task 6**	
Brief Description of items/Nature of Services Requested:	**This Bid will be utilized to provide playground inspection.**			
Potential Subcontracting Task/Scope of Work	NA			
Special Licenses/ Certificates/ Equipment	**None Listed On RFP**			

Current/Historical Solicitation Information

Previous/Current Contract ID Number	None	**Previous/Current Contract Awarded Vendor (s)**	**Previous/Current Contract Bidders/Proposers**	**List previously utilized E/S/M/WBE Vendor Names (if any)**
Previous/Current Contract Title	None	None	None	None
Previous/Current Contract Expiration Date	None			
Previous/Current Spend Authority	None			
NAICS Codes/Industry Title	238990			

Supporting Information for Review

Attachments	☐ Scope of Work/	☐ Specifications	☐ Item List	☐ Other (please specify)	☐ Intake Form

This Section to be completed by the EDDC Department

API Evaluation Process

NAICS Codes/Industry Title Reviewed	

EDDC Notes

GSC Review Date:	
Recommendation made by:	Economic Development & Diversity Compliance Department (EDDC)
Signature:	
Name :	Anne Marie Richards, Advocacy & Compliance Coordinator

Date Created: 4/17/19 Edit 11/2/20 Edit 1/20/22 *Edited on 1/25/2024*