



Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

BUYER: Ohara 2nd, John F
 PHONE #: 401-574-8125

CREATION DATE : 18-APR-13
 BID NUMBER: 7461354,3
 TITLE: Replace Cooling Compressors A/C System, DOA
 BID CLOSING DATE AND TIME:30-APR-2013 01:45:00

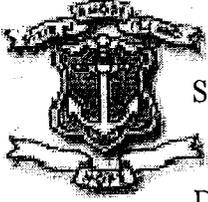
**B
I
L
L
T
O**
 DOA CONTROLLER
 ONE CAPITOL HILL, 4TH FLOOR
 SMITH ST
 PROVIDENCE, RI 02908
 US

**S
H
I
P
T
O**
 DOA CENTRAL SERVICES
 SPECIAL INSTRUCTIONS
 SEE BELOW, RI N/A
 US

Requisition Number: 1308695
 Amendment Description: Addendum Number Four

Line	Description	Quantity	Unit	Unit Price	Total
1	<p>Addendum Number Two</p> <p>Please review the attached (6) pages of Addendum Number Two. These specs replace the original package.</p> <p>NOTE: We are now requesting you replace the existing compressor with a new 60 Ton Screw Type.</p> <p>Due to the issuance of this Addendum Number Two we are having a 2nd Mandatory Pre-Bid Conference and the Bid Closing Date and Time has been extended.</p> <p>ALL vendors who which to bid on this project MUST ATTEND this 2nd Mandatory Pre-Bid Conference to be held on: Wednesday 4/17/13 at 2:00 PM 50 Service Ave. Warwick RI Meet at the Front Entrance</p> <p>The Bid Closing Date and Time has been changed; from: 4/18/13 at 1:45 PM To: 4/30/13 at 1:45 PM</p> <p>BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD. Please see the attached (3) pages. Addendum Number Three</p> <p>See attached Mandatory Pre-Bid Attendance Sheet TOTAL COST FOR THE REPLACEMENT OF THE COOLING COMPRESSORS FOR A/C SYSTEM WITH A NEW 60 TON SCREW TYPE UNIT WORK TO BE PERFORMED AT 50 SERVICE AVE WARWICK, RI</p>	1.00	TOTAL		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF PURCHASES
One Capitol Hill
Providence, RI 02908-5855

Tel: (401) 574-8100
Fax: (401) 574-8387
Website: www.purchasing.ri.gov

April 8, 2013

ADDENDUM NUMBER ONE

RFQ # 7461354

TITLE: Replace Cooling Compressors A/C System, DOA

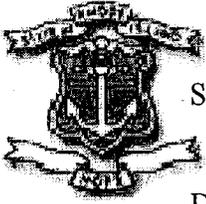
Closing Date and Time: 4/18/13 at 1:45 PM

**Per the issuance of this ADDENDUM #1
(3 pages, including this cover sheet)**



Specification Change /Addition / Clarification

The attached two (2) pages of Specifications were erroneously left of the original bid posting. Please include these in your bid response.



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF PURCHASES
One Capitol Hill
Providence, RI 02908-5855

Tel: (401) 574-8100
Fax: (401) 574-8387
Website: www.purchasing.ri.gov

April 8, 2013

SPECIFICATIONS FOR BID 7461354

New Compressors 50 Service Avenue

Remove and replace existing compressor on Trane Climate Changer Chiller for cooling unit serving first and second floor in the boiler room. Replace existing compressor with new Trane 3 D scroll type compressors 4@ 15 ton each (or approved equal) . Fabricate prime and paint support for the new compressors.

Replace all necessary components and controls. Replace TXV with electronic expansion Valve and install new Trane Tracer microcomputer-based controller. This unit shall microcomputer-based controller that can be monitored all necessary points and be controlled from a remote location. This controller will stage on the unit as load necessitates. Recharge with refrigerant and commission unit.

Include all necessary controls, control wiring and power wiring, (Voltage is 460 volt 3 phase) controllers, compressor related materials, refrigerant and all necessary labor.

PRINT DATE SEPT 2002

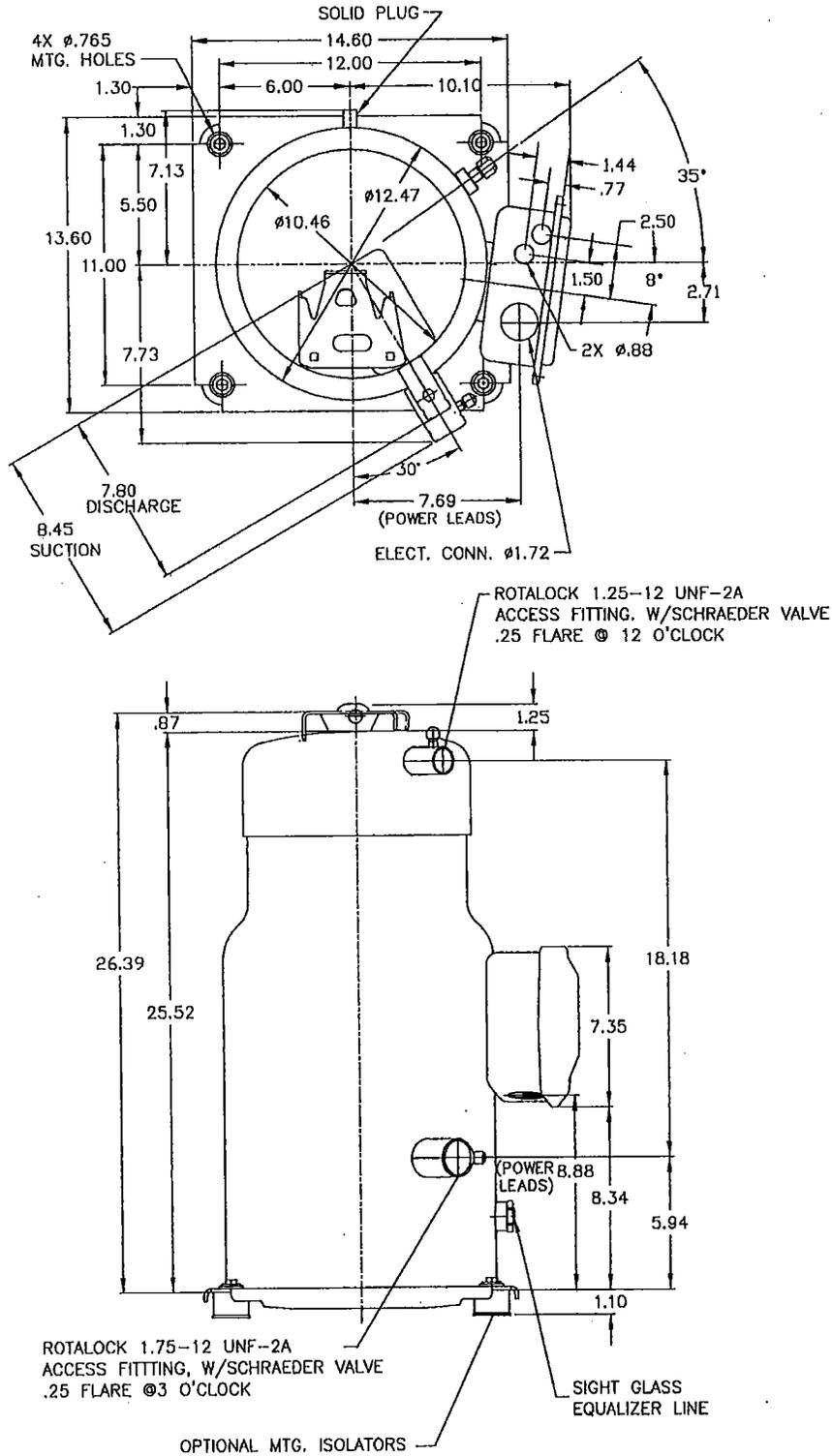
FILE NO. PL-RF-COM-CSHA-SU-1001R2

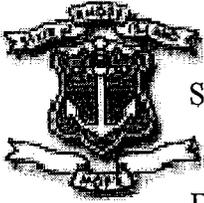
REPLACES: CSHA-SU-1001P2

SUBMITTAL NUMBER CSHA-SU-1001R2



MODEL CSHA-140 & 150
3-D SCROLL
A COMPRESSOR
14 & 15 TON ROTALOCKS





STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF PURCHASES
One Capitol Hill
Providence, RI 02908-5855

Tel: (401) 574-8100
Fax: (401) 574-8387
Website: www.purchasing.ri.gov

April 11, 2013

ADDENDUM NUMBER TWO

RFQ # 7461354

TITLE: Replace Cooling Compressors A/C System, DOA

Closing Date and Time: 4/30/13 at 1:45 PM (Note Change)

Per the issuance of this ADDENDUM #2 (6) pages, including the cover sheet the following change(s) are noted:

Please be advised the Bid Closing Date and Time has been extended to:

**From: 4/18/13 at 1:45 PM
To: 4/30/13 at 1:45 PM**

Specification Change /Addition / Clarification

Attached are Revised Specifications for this Solicitation.

NOTE: We are now requesting you replace the existing compressor with a new 60 Ton Screw Type.

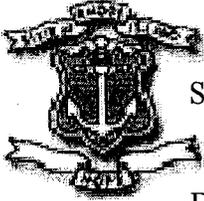
Due to the issuance of this Addendum Number Two we are having a 2nd Mandatory Pre-Bid Conference and the Bid Closing Date and Time has been extended.

**ALL vendors who which to bid on this project MUST ATTEND this Mandatory Pre-Bid Conference to be held on:
Wednesday 4/17/13 at 2:00 PM
50 Service Ave.**

**Warwick RI
Meet at the Front Entrance**

**The Bid Closing Date and Time has been changed;
from: 4/18/13 at 1:45 PM
To: 4/30/13 at 1:45 PM**

Vendor is advised the attached four (4) pages replace the original bid requirements completely.



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF PURCHASES
One Capitol Hill
Providence, RI 02908-5855

Tel: (401) 574-8100
Fax: (401) 574-8387
Website: www.purchasing.ri.gov

April 11, 2013

REVISED SPECIFICATIONS FOR BID 7461354

New Compressors 50 Service Avenue

Base Bid

Remove and replace existing compressor on Trane Climate Changer Chiller for cooling unit serving first and second floor in the boiler room. Replace existing compressor with new 60 ton screw type (Trane or approved equal). Fabricate prime and paint support for the new compressors.

Replace all necessary components and controls. Replace TXV with electronic expansion Valve and install new Trane Tracer microcomputer-based controller. This unit shall microcomputer-based controller that can be monitored all necessary points and be controlled from a remote location. This controller will stage on the unit as load necessitates. Recharge with refrigerant and commission unit.

Include all necessary controls, VFD drive, control wiring and power wiring, (Voltage is 460 volt 3 phase) controllers, compressor related materials, refrigerant and all necessary labor.

HANBELL Compressor Performance Report

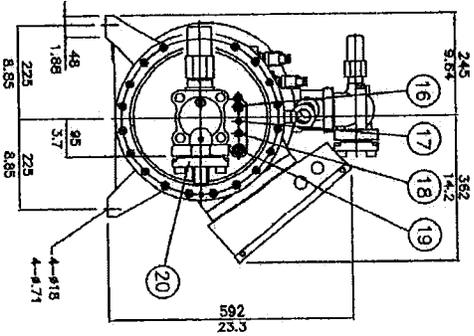
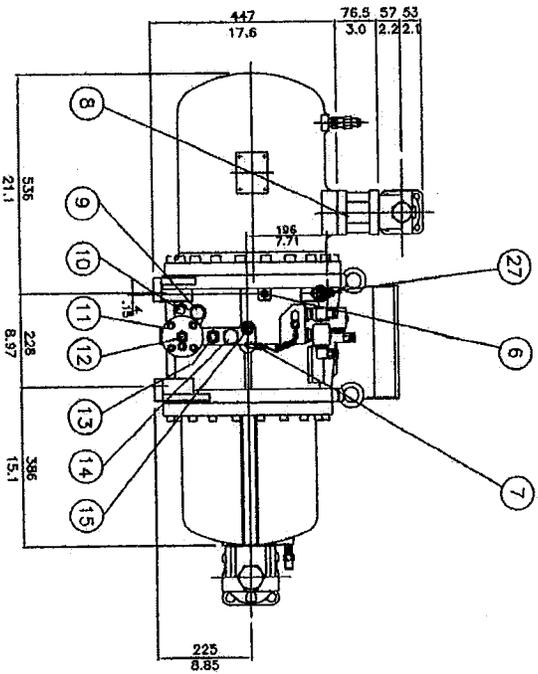
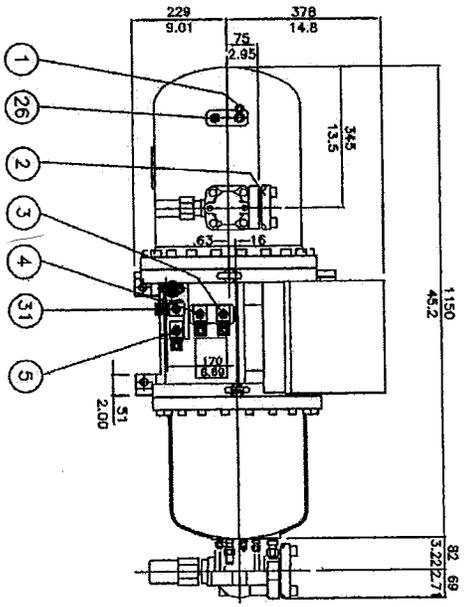
INPUT

Refrigerant : R22
Model : RC2-200B
Power supply : 460V-3-60Hz
Evaporating SST : 35 Deg. F
Condensing SCT : 120 Deg. F
Liquid subcooling 10 Deg. F
Suct. gas superheat 10 Deg. F
Useful superheat : 10 Deg. F
Disch. temp. expected: 176 Deg. F
Partial capacity load: 100 %

OUTPUT

Cooling capacity : 616.3 kBTU	Operating mode : Standard
Evaporator capacity : 616.3 kBTU	Liquid temp. : 110.0 Deg. F
Condenser capacity : 765.8 kBTU	Mass flow ECO : ----
Power input : 59.0 kW	Subcooler load : ----
Current : 84.6 A	sat ECO Temp. : ----
COP/EER : 10.439	ECO pressure : ----
Mass flow LP : 9201.4 lb/h	Oil volume flow : 4.45 GPM
Mass flow HP : 9241.3 lb/h	Oil cooler out : 126.4 Deg. F
Vi : 2.6	Oil cooler additional cooling : 51.92 kBTU
L.I. to chamber mass flow: ----	Additonal power input for L.I. : ----
L.I. to motor mass flow: 39.82 kg/h	L.I. to chamber capacity : ----
	L.I. to motor capacity : 2.7 kBTU
	DG w/o cooling: 202.1 Deg. F

No.
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



Dimensional Outline Drawing & Component Description
for Steplless or Modulating - Type Capacity Control Application

Hanbell Model RC2-200B

Date and Rev. 07/31/2008 A

Drawn By B.Lai



Micro
CONTROL
SYSTEMS
Tel. (239) 4
E-mail: c



RC2-200B Screw Compressor

Specifications

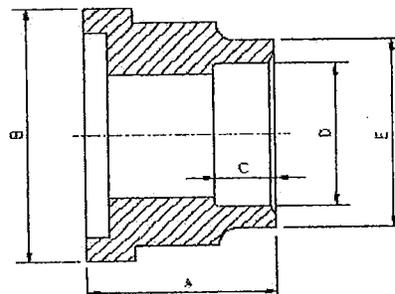
Compressor	Displacement	ft ³ /hr	60 Hz	8228
	Rated Speed	Rpm	60 Hz	3550
	Volume Ratio	Vi		2.6 (standard other Vi available)
	Capacity Control	%		25%,50%,75% & 100% Step Capacity Control, 50%~100% Continuous Stepless Capacity Controls
	Lubrication	Differential Pressure Feed Lubricant		
Motor	Type	3 Phase, 2 Pole, Squirrel Cage, Induction Motor		
	Insulation	Class F		
	Protection	3 PTC Protection 1 per winding		
Lubricant Charge	Gallons	2.1		
Oil Heater	Watts	150		
Hydrostatic Pressure test	lb/in ² G	597		
Weight	Pounds	937		
Crated Weight	Pounds	1197		
Crate Dimensions	Inches	50x26x31		

Standard Compressors Accessories

- Modulating Slide Capacity
- Weather Proof Terminal Box for outdoor applications
- 115/1/60 Control Voltage
- 115/1/60 Crankcase heater
- Discharge Check Valve
- Discharge Service Valve (Discharge Stop Valve) with standard connection sizes and supplied with flanges and bushings
- Suction Service Valve (Suction Stop Valves) with standard connection sizes and supplied with flanges and bushings
- Oil Level Float Switch
- Suction Filter
- Oil Filter
- PSI Relief Valve
- Oil Sight Glass
- PT1000 for Reading Motor Temp
- INT69HBY supporting motor and discharge (PTC) temperature sensor protection as well as Phase Loss and Phase Reversal at Start Up Only

Ports

- External Oil Cooler
- Liquid Injection (into screw chamber)
- Economizer
- Suction, Discharge & Oil Service



Connections

Discharge Stop Valve	1 1/2"					
Discharge Check Valve	1 1/2"					
Suction Stop Valve	2 1/2"					
Economizer	5/8" solder					
Liquid Injection (chamber)	5/8" flare	A	B	C	D	E
Discharge Side	Copper Pipe Sizing 1 5/8"	2.05"	2.95"	1.38"	1.64"	2.05"
Suction Side	Copper Pipe Sizing 2 5/8"	2.36"	4.33"	1.38"	2.63"	3.03"

R22, R407C, R404A, R507A, R134a						
Hertz	Volts	Maximum Continuous Current	Y-A		Part Wind Start	
			Locked Rotor Amps (Y)	Locked Rotor Amps (D)	Locked Rotor Amps (D)	Locked Rotor Amps (DD)
60	220	266	310	930	445	840
60	460	127	162	485	239	450

MCC & LRA

Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

RIVIP INFO - BID SUBMISSION REQUIREMENTS

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer. When delivering offers in person to One Capitol Hill, vendors are advised to allow at least one hour additional time for clearance through security checkpoints.

START DATE

STARTING DATE _____ NO. OF WORKING DAYS REQUIRED FOR COMPLETION

SURETY REQUIREMENTS

BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD.

WAGE REQUIREMENTS

BIDDERS ARE ADVISED THAT ALL PROVISIONS OF TITLE 37 CHAPTER 13 OF THE GENERAL LAWS OF RHODE ISLAND APPLY TO THE WORK COVERED BY THIS REQUEST, AND THAT PAYMENT OF THE GENERAL PREVAILING RATE OF PER DIEM WAGES AND THE GENERAL PREVAILING RATE FOR REGULAR, OVERTIME, AND OTHER WORKING CONDITIONS EXISTING IN THE LOCALITY FOR EACH CRAFT, MECHANIC, TEAMSTER, OR TYPE OF WORKMAN NEEDED TO EXECUTE THIS WORK IS A REQUIREMENT FOR BOTH CONTRACTORS AND SUBCONTRACTORS. THE PREVAILING WAGE TABLE MAY BE OBTAINED AT THE RI DIVISION OF PURCHASES HOME PAGE BY INTERNET at www.purchasing.state.ri.us. SELECT "INFORMATION" AND THEN SELECT "PREVAILING WAGE TABLE". THE STATE OF RHODE ISLAND USES THE GENERAL DECISION NUMBER RI20100001. PRINTING THE ENTIRE DOCUMENT AVERAGES APPROXIMATELY ONE MINUTE PER PAGE - YOU MAY WANT TO PRINT ONLY THE PAGES APPLICABLE TO YOUR BID. BIDDERS NOTE: IN THE EVENT THIS BID SPECIFIES PRICE OFFERS ON A TIME-AND-MATERIALS BASIS, i.e., AN HOURLY RATE, ANY OR ALL BIDS SUBMITTED IN AN AMOUNT LESS THAN THE PREVAILING RATE IN EFFECT FOR THE WORK COVERED BY THIS REQUEST AS OF THE DATE OF BID ISSUANCE SHALL BE REJECTED BY THE DIVISION OF PURCHASES.

INSPECTION REQUIREMENTS

BIDDERS ARE RESPONSIBLE FOR INSPECTION OF EQUIPMENT AND/OR LOCATION, TAKING MEASUREMENTS* WHEN REQUIRED, AND MAKING THEMSELVES AWARE OF THE TOTAL REQUIREMENT BEFORE SUBMITTING A BID. *MEASUREMENTS PROVIDED WITH ANY BID

ARE FOR REFERENCE PURPOSES AND ARE NOT GUARANTEED TO BE COMPLETELY ACCURATE.

INSURANCE REQUIREMENTS

AN INSURANCE CERTIFICATE IN COMPLIANCE WITH PROVISIONS OF ITEM 31 (INSURANCE) OF THE GENERAL CONDITIONS OF PURCHASE IS REQUIRED FOR COMPREHENSIVE GENERAL LIABILITY, AUTOMOBILE LIABILITY, AND WORKERS' COMPENSATION AND MUST BE SUBMITTED BY THE SUCCESSFUL BIDDER(S) TO THE DIVISION OF PURCHASES PRIOR TO AWARD. THE INSURANCE CERTIFICATE MUST NAME THE STATE OF RHODE ISLAND AS CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED. FAILURE TO COMPLY WITH THESE PROVISIONS MAY RESULT IN REJECTION OF THE OFFEROR'S BID. ANNUAL RENEWAL CERTIFICATES MUST BE SUBMITTED TO THE AGENCY IDENTIFIED ON THE PURCHASE ORDER. FAILURE TO DO SO MAY BE GROUNDS FOR CANCELLATION OF CONTRACT.

NOTE: IF THIS BID COVERS CONSTRUCTION, SCHOOL BUSING, HAZARDOUS WASTE, OR VESSEL OPERATION, APPLICABLE COVERAGES FROM THE FOLLOWING LIST MUST ALSO BE SUBMITTED TO THE DIVISION OF PURCHASES PRIOR TO AWARD: * PROFESSIONAL LIABILITY INSURANCE (AKA ERRORS & OMISSIONS) - \$1 MILLION OR 5% OF ESTIMATED PROJECT COST, WHICHEVER IS GREATER. * BUILDER'S RISK INSURANCE - COVERAGE EQUAL TO FACE AMOUNT OF CONTRACT FOR CONSTRUCTION. * SCHOOL BUSING - AUTO LIABILITY COVERAGE IN THE AMOUNT OF \$5 MILLION. * ENVIRONMENTAL IMPAIRMENT (AKA POLLUTION CONTROL) - \$1 MILLION OR 5% OF FACE AMOUNT OF CONTRACT, WHICHEVER IS GREATER. * VESSEL OPERATION - (MARINE OR AIRCRAFT) - PROTECTION & INDEMNITY COVERAGE REQUIRED IN THE AMOUNT OF \$1 MILLION.

VENDOR SPECIFICATIONS

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED.

LICENSE REQUIREMENTS

VENDOR (OWNER OF COMPANY) IS RESPONSIBLE TO COMPLY WITH ALL LICENSING OR STATE PERMITS REQUIRED FOR THIS TYPE OF SERVICE. A COPY OF LICENSE/PERMIT SHOULD BE SUBMITTED WITH THIS BID. IN ADDITION TO THESE LICENSE REQUIREMENTS, BIDDER, BY SUBMISSION OF THIS BID, CERTIFIES THAT ANY/ALL WORK RELATED TO THIS BID, AND ANY SUBSEQUENT AWARD WHICH REQUIRES A RHODE ISLAND LICENSE(S), SHALL BE PERFORMED BY AN INDIVIDUAL(S) HOLDING A VALID RHODE ISLAND LICENSE.

STATE of RHODE ISLAND

DEPARTMENT of ADMINISTRATION DIVISION of PURCHASES

ATTENDANCE SHEET

BID # 7451354 DATE 4/17/13 2:00 PM

50 Service Ave., Warwick, RI

Mandatory Pre-Bid Conference.

NAME

COMPANY

John Bellucci

JMB Mech

DAVID McCunney

NEYGEN Mech

Jay Jernia

DOA-FWI