

Request for Quote

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

CREATION DATE : 25-OCT-12
BID NUMBER: 7458193
TITLE: SWIMMING POOL SERVICE - CCRI LINCOLN CAMPUS
BLANKET START : 01-DEC-12
BLANKET END : 30-JUN-13
BID CLOSING DATE AND TIME: 23-NOV-2012 10:30:00

BUYER: Mosca, Gary
PHONE #: 401-574-8124

B
I
L
L
L
T
O
CCRI CONTROLLER'S OFFICE
ACCOUNTS PAYABLE
400 EAST AVENUE
WARWICK, RI 02886
US

S
H
I
P
T
O
CCRI FLANAGAN CAMPUS
1762 LOUISQUISSET PIKE
LINCOLN, RI 02865-4585
US

Requisition Number: 1289706

Note to Bidders: Questions concerning this solicitation may be emailed to gary.mosca@purchasing.ri.gov no later than 11/08/12 @ 12:00 NOON (EST). Questions should be submitted in a Microsoft word attachment. Please reference the RFQ # on all correspondence. Questions received if any, will be posted on the internet as an addendum to this solicitation. It is the responsibility of all interested parties to download this information

Amendment Description: x

Line	Description	Quantity	Unit	Unit Price	Total
1	NON-MANDATORY PRE-BID CONFERENCE WILL BE HELD, THURSDAY NOVEMBER 1ST, @ 9:00 AM (EDT) LOCATION: CCRI FLANAGAN CAMPUS 1762 OLD LOUISQUISSET PIKE LINCOLN, RI 02865 PLEASE REPORT TO FIELD HOUSE. PHASE 1 - POOL FILTRATION SERVICE	1.00	Job		
2	PHASE 2 POOL TILE AND GROUT REPAIRS:	1.00	Job		
3	PHASE 3 - POOL AREA WALL AND TILE REPAIRS	1.00	Job		
4	PHASE 4 - WALL REPAIRS AND PAINTING	1.00	Job		
5	PHASE 5 - BLEACHER REPAIRS	1.00	Job		

Delivery: _____

Terms of Payment: _____

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

9-5-12

T

COMMUNITY COLLEGE OF RHODE ISLAND LINCOLN CAMPUS SWIMMING POOL SERVICE SCOPE OF WORK

GENERAL OVERVIEW

VENDOR TO SUPPLY ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE SERVICING OF THE COMMUNITY COLLEGE OF RHODE ISLAND (CCRI) SWIMMING POOL LOCATED AT THE LINCOLN FLANAGAN CAMPUS PER THE DETAILS OUTLINED IN THE BID PACKAGE.

SERVICES TO INCLUDE BUT NOT BE LIMITED TO THE DRAINING AND REFILLING OF THE POOL, CLEANING AND INSPECTION OF THE FILTRATION SYSTEM, INSTALLATION OF NEW ISOLATION VALVES, ACID WASHING AND POWER WASHING OF POOL AND DECK AREA, REPAIR ANY DAMAGED POOL WALLS, COPING, AND TILES BOTH IN THE POOL AND IN SURROUNDING POOL ROOM AREAS, AND PREPARE AND RE-PAINT WALLS, DOORS AND BLEACHERS IN POOL AREA.

PROJECT SCOPE/SPECIFICATIONS

1. VENDOR RESPONSIBLE FOR ANY AND ALL REQUIRED LOCAL AND STATE PERMITS AND FOR ARRANGING FOR ALL REQUIRED INSPECTIONS. PROOF OF ANY INTERIM AND FINAL INSPECTIONS MUST BE SUBMITTED TO PHYSICAL PLANT PRIOR TO FINAL COMMISSIONING AND ACCEPTANCE OF POOL SYSTEM START UP AND OPERATION. STATE INSPECTIONS MUST INCLUDE BUT ARE NOT LIMITED TO A FINAL INSPECTION BY THE STATE BOARD OF HEALTH TO ENSURE THAT ALL REPAIRS AND INSTALLATIONS MEET OR EXCEED STATE REGULATIONS FOR PUBLIC SWIMMING POOLS.
2. PRIOR TO DRAINING POOL VENDOR MUST LOCATE AND INSPECT HYDROSTATIC RELIEF VALVE TO ENSURE VALVE IS FREE OF DEBRIS AND IN WORKING ORDER. THIS INSPECTION MUST BE WITNESSED BY CCRI DESIGNEE.
3. VENDOR AND OR SUBCONTRACTORS MUST MEET ALL RHODE ISLAND DEPARTMENT OF LABOR AND TRAINING (DLT) LICENSURE REQUIREMENTS. PROOF OF ALL CURRENT LICENSES MUST BE SUBMITTED WITH BID PACKAGE.
4. ALL VENDOR EMPLOYEES AND SUBCONTRACTORS WORKING ON THE CCRI CAMPUS MUST SUBMIT STATE BCI CHECK ALONG WITH A COPY OF A STATE ISSUED PHOTO ID.
5. VENDOR AND ITS TECHNICIANS TO BE FACTORY TRAINED, CERTIFIED AND APPROVED BY EQUIPMENT MANUFACTURER. PROOF OF CERTIFICATION MUST BE SUBMITTED WITH BID.
6. VENDOR TECHNICIANS TO BE CERTIFIED IN STATE, LOCAL, AND NFPA CODE PROCEDURES FOR "FIRE STOP" INSTALLATIONS. PROOF OF CERTIFICATION MUST BE SUBMITTED WITH BID.
7. ALL VENDOR EMPLOYEES WORKING ON CCRI CAMPUSES TO BE OSHA 10 CERTIFIED. COPIES OF CURRENT OSHA 10 CARDS MUST BE SUBMITTED WITH BID.
8. UNLESS OTHERWISE NOTED VENDOR RESPONSIBLE FOR ALL PHASES OF INSTALLATION INCLUDING BUT NOT LIMITED TO PLUMBING, WIRING, CONDUIT OR WIREMOLD, JUNCTION BOXES, ELECTRICAL DEVICES, ALL PLUMBING, AND TESTING.
9. VENDOR MUST HAVE ALL OF THE EQUIPMENT NECESSARY TO PERFORM THE INSTALLATION AND SERVICE INCLUDING ANY AND ALL TOOLS, STAGING, LIFTS, LIFT TRUCKS, CLEANING SUPPLIES, SHOP VACUUMS, ETC. NO CCRI EQUIPMENT OR TOOLS WILL BE AVAILABLE.

COMMUNITY COLLEGE OF RHODE ISLAND LINCOLN CAMPUS SWIMMING POOL SERVICE SCOPE OF WORK

10. PROJECT COMPLETION: 45 DAYS FROM ISSUANCE OF PURCHASE ORDER.
VENDOR MUST CONDUCT WEEKLY PROJECT PROGRESS MEETINGS AND ISSUE MINUTES OF MEETINGS BY THE NEXT BUSINESS DAY. MEETINGS WILL BE HELD ONSITE AT CCRI FLANAGAN CAMPUS. THE LOCATION AND SCHEDULE FOR THE PROGRESS MEETING WILL BE ARRANGED WITH ASSOCIATE DIRECTOR PHYSICAL PLANT OR DESIGNEE.
11. WORK HOURS: PROJECT IS TO BE COMPLETED DURING NORMAL OPERATING BUSINESS HOURS 7 AM – 3:30 PM, MON-FRI. VENDOR MUST SCHEDULE WORK FOR NON OPERATING HOURS IN ADVANCE WITH PHYSICAL PLANT DEPARTMENT. ACCESS TO THE POOL AREA WILL BE ALLOWED BOTH WEEKENDS AND WEEKDAYS.
12. VENDOR RESPONSIBLE FOR MAINTAINING A SAFE WORK AREA INCLUDING THE CORRIDOR ENTRIES INTO EACH ROOM. VENDOR RESPONSIBLE FOR PROVIDING ALL SAFETY SIGNAGE, BARRIERS, ETC. TO ENSURE THE SAFETY OF CCRI PERSONNEL, STUDENTS AND VISITORS.
13. ALL WORKERS WILL SIGN IN DAILY AT THE OPERATIONS OFFICE.
14. AT ALL TIMES DURING AND AT COMPLETION OF PROJECT, CONSTRUCTION AREAS ARE TO BE KEPT IN A CLEAN, SAFE AND ACCEPTABLE CONDITION.
15. VENDOR RESPONSIBLE FOR REMOVAL OFF SITE OF ALL DEMOLITION DEBRIS AND PROJECT WASTE MATERIALS INCLUDING BUT NOT LIMITED TO PROVIDING AND MAINTAINING THEIR OWN WASTE CONTAINERS. CCRI TO COORDINATE AND APPROVE TEMPORARY LOCATION OF WASTE CONTAINERS.
16. ALL COMPLETED WORK MUST BE INSPECTED AND APPROVED BY ASSOCIATE DIRECTOR PHYSICAL PLANT OR DESIGNEE.
17. VENDOR TO PROVIDE INSPECTION DOCUMENTS FROM THE RHODE DEPARTMENT OF HEALTH (RIDOH) DOCUMENTING THAT THE NEW FILTRATION SYSTEM AND START-UP PROCEDURES MEET RIDOH GUIDELINES AS CALLED OUT IN RI GENERAL LAWS UNDER RULES AND REGULATIONS FOR LICENSING SWIMMING AND WADING POOLS, HOT TUBES AND SPAS.
18. VENDOR TO PROVIDE AS PART OF THE FINAL ACCEPTANCE AND COMMISSIONING OF THE NEW INSTALLATION AN OWNERS MANUAL CONSISTING OF BUT NOT LIMITED TO ALL HARDWARE MANUALS, DATA SHEETS, PREVENTATIVE MAINTENANCE SCHEDULES, REPLACEMENT PART LISTS. THREE COPIES TO BE PROVIDED.
19. VENDOR TO PROVIDE FINAL AS-BUILT DRAWINGS INDICATING DEVICE INSTALLATION AND UTILITY SCHEMATICS. THREE (3) HARD COPY PRINT SETS PLUS THREE (3) CD/DVD DISCS WITH PDF VERSIONS TO BE SUBMITTED AT TIME OF FINAL ACCEPTANCE AND COMMISSIONING.
20. VENDOR TO PROVIDE TRAINING OF CCRI PERSONNEL ON THE OPERATION OF ANY NEW EQUIPMENT AS PART OF THE FINAL COMMISSIONING PROCESS PRIOR TO FINAL ACCEPTANCE.
21. IN ADDITION TO ANY MANUFACTURER'S WARRANTY, VENDOR TO PROVIDE two (2) YEAR FULL WARRANTY ON ALL NEW EQUIPMENT INCLUDING, INSTALLATION, LABOR AND MATERIALS.

14-Sep-12



PermaColor™ Grout

United States Patent No.: 6784229 B2 (and other Patents).

DS-250.0-0810



1. PRODUCT NAME

LATICRETE® PermaColor™ Grout

United States Patent No.: 6784229 B2 (and other Patents).

2. MANUFACTURER

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 235

Toll Free: 1.800.243.4788, ext. 235

Fax: +1.203.393.1684

Internet: www.laticrete.com

3. PRODUCT DESCRIPTION

LATICRETE PermaColor Grout is a high performance, fast setting grout that provides a grout joint that is dense and hard. LATICRETE PermaColor Grout is color consistent. Mix only with water.

Advantages

- Consistent Color
- Fast Setting
- Mixes With Water Only
- Ideal For Floors and Walls (Joint Widths of 1/16-1/2" [1.5 to 12 mm])
- Inhibits Mold and Mildew with Microban®
- Component of LATICRETE 15 Year Residential Warranty (see DS 230.14)
- Improved Stain Resistance For a Cement Based Grout
- Interior and Exterior Applications
- Residential and Commercial
- Conforms to ISO 13007 (CG2 WA) and EN 13888 (CG2WA) classification.

Packaging

25 lb (11.3 kg) bags

8 lb (3.6 kg) cartons

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time period listed below if stored off the ground in a dry area.

25 lb (11.3 kg) bags - one (1) year

8 lb (3.6 kg) cartons - two (2) years

Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane (see Section 10 FILING SYSTEM).
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.
- Use LATICRETE SpectraLOCK 2000 IG when chemical resistance is required.
- DO NOT use acid to clean colored grout joints.
- Job site conditions will affect the final color of colored grouts. Try a small test area to determine your results before grouting the entire installation.
- Certain types of tile are more absorbent than others and will trap color pigment during grouting. Prior to grouting, test for absorption of color pigment. Porous tiles will need to be sealed prior to grouting.
- Selecting Other Grouting Materials: LATICRETE has grouting materials designed for every use. For installations that require high strength and chemical resistance choose LATICRETE SpectraLOCK 2000 IG. This product is ideal for installations where a stain resistant colorfast grout is desired.

Cautions

Consult MSDS for more safety information.

- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Grout may scratch soft glazed or polished surfaces. Conduct a test area to verify results
- In submerged applications or steam rooms allow LATICRETE PermaColor Grout to cure for 14 days at 70°F (21°C) before use of area. See TDS 192 for more information on these applications.
- Keep out of reach of children.

4. TECHNICAL DATA

Applicable Standards

(ANSI A118.6, A118.7, EN 13888 & ISO 13007)

Physical Properties

Tensile Strength (28 Day)	510 psi (3.5 MPa)
Compressive Strength	4500 psi (31.0 MPa)
Flexural Strength	1250 psi (8.62 MPa)
Linear Shrinkage (7 day)	0.0450%

Test	Test Method	ISO 13007-3 C60/30 Specification	Results
28 day cure abrasion resistance	ISO 13007-4 4.4.4	Less than or equal to 1000 mm ³ (0.061 in ³)	184-359 mm ³ (0.011-0.021 in ³)
28 day cure flexural strength	ISO 13007-4 4.1.3	Greater than 2.5 MPa (362 psi)	8.6-9.4 MPa (1365-1247 psi)
6 day 21 day water soak 25 freeze/thaw cycle flexural strength	ISO 13007-4 4.1.3	Greater than 2.5 MPa (362 psi)	3.31-3.79 MPa (480-550 psi)
28 day cure compressive strength	ISO 13007-4 4.1.4	Greater than 15 MPa (2175 psi)	35.7-36.8 MPa (5176-5339 psi)
6 day 21 day water soak 25 freeze/thaw cycle compressive strength	ISO 13007-4 4.1.4	Greater than 15 MPa (2175 psi)	30.4-31.2 MPa (4408-4518 psi)
28 day cure shrinkage	ISO 13007-4 4.3	Less than 3 mm/m (0.12 in./3.28 ft)	0.51-0.62 mm/m (0.02-0.024 in./3.28 ft)
28 day water absorption soaked 30 minutes	ISO 13007-4 4.2	Less than 2 g (0.004 lb)	0.54-0.7 g (0.0012-0.0015 lb)
28 day water absorption soaked 240 minutes	ISO 13007-4 4.2	Less than 5 g (0.011 lb)	0.54-0.7 g (0.0012-0.0015 lb)

Working Properties

Pol. life	40-60 min at 70°F (21°C)
Final Set	3 hrs
Heavy Foot Traffic	6 hrs

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation

Before starting to grout remove spacers and debris in grout joints and remove dust and dirt using a wet sponge. Do not leave water standing in joints. Note: when grouting in hot weather refer to LATICRETE Technical Data Sheet 176 Hot Weather Tiling and Grouting. Substrate temperature must be between 40°F (4°C) and 90°F (32°C). Apply grout release or sealer if necessary. Refer to LATICRETE® Grout Troubleshooting Guide for more information on grouting.

Mixing

Use approximately 2 quarts (1.9 l) of clean potable water for 25 lbs (11.3 kg) of LATICRETE PermaColor™ Grout. No additive required. Do not use with LATICRETE 1776 Grout Enhancer or any other latex additive. Place water in a clean mixing container and add grout powder. Mix with a slow speed drill mixer (300 rpm) for 1 minute. Wait for 5 minutes and remix with drill for 1 minute.

Application

Clean tile surface with a damp sponge. Spread with a sharp, firm rubber grout float or wall float for narrow wall joints. To remove excess grout hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints to avoid pulling out the material.

Note: If the grout begins to stiffen during installation, remix with drill mixer for 10-15 seconds. **DO NOT ADD MORE WATER!**

Cleaning

Wait 15-20 minutes at 70°F (21°C). For wider joints or cooler temperatures wait longer (25-30 minutes) Begin initial cleaning by lightly wiping down entire area to be cleaned with a damp sponge. Wash with a damp sponge (not wet). Work diagonally to the joints. Allow to dry 3 hours at 70°F (21°C). For second cleaning use a damp sponge or dry cloth to remove remaining grout haze.

Note: Use caution when polishing soft glazed tiles or polished stone. If grout is to be sealed, LATICRETE generally recommends waiting a minimum of 48 hours at 70°F (21°C) prior to sealing LATICRETE PermaColor Grout, or any other cement-based LATICRETE grout; however, we suggest deferring to the written recommendations of the sealer manufacturer to make the final determination, as certain sealers may require the cement grout to cure for an extended period of time.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor Information:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

A component of:

DS 230.15: LATICRETE 10 Year Warranty for Steel or Wood Framed Exterior Facades

DS 025.0: LATICRETE 25 Year System Warranty

DS 230.99: LATICRETE Lifetime System Warranty

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline (hours 8:00 AM to 5:30 PM EST):

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 230.15: LATICRETE 10 Year Warranty for Steel or Wood Framed Exterior Facades

DS 025.0: LATICRETE 25 Year System Warranty

DS 230.99: LATICRETE Lifetime System Warranty

DS 236.0: LATICRETE 9235 Waterproofing Membrane

DS 663.0: LATICRETE Hydro Ban™

TDS 192: Installation of Ceramic Tile in Swimming Pools

TDS 176: Hot Weather Tiling and Grouting

DS 030.0: LATICRETE SpectralLOCK 2000 IG

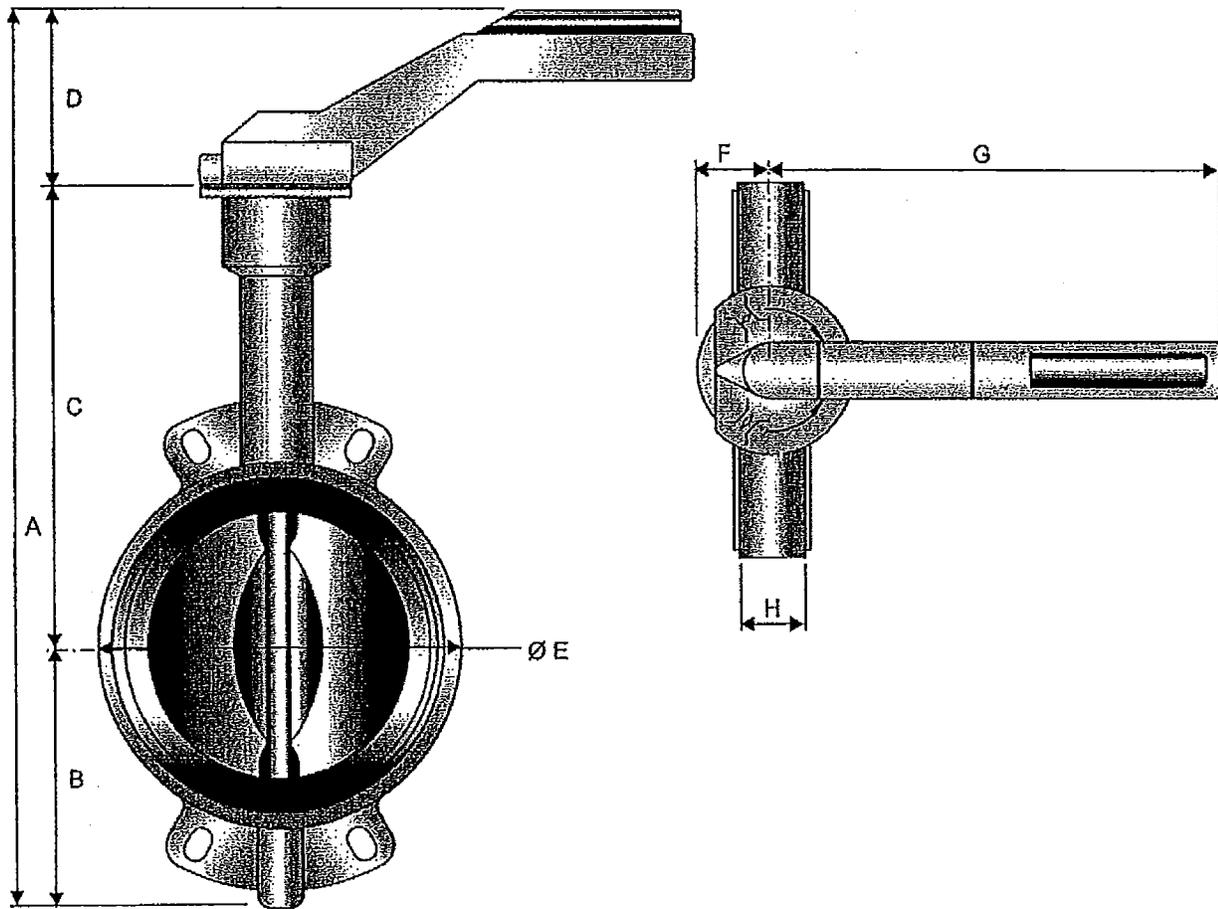
LATICRETE International, Inc.
One LATICRETE Park North, Bethel, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • www.laticrete.com

©2010 LATICRETE International, Inc.
LATICRETE, LATAPOXY, SPECTRALLOCK and the  logo are Registered Trademarks of LATICRETE International, Inc.
Microban is a registered trademark of Microban Products Company.

DS-250-0-0410

Dominion™ Butterfly Valves

Lever Operated



Size (in)	Part Numbers	
	Stainless Steel Disc	Nylon Coated Disc
2	518020R037	516020R037
2 1/2	518025R037	516025R037
3	518030R037	516030R037
4	518040R037	516040R037
5	N/A	516050R037
6	518060R037	516060R037
8	518080R037	516080R037

Size		Dimensions with hand lever - All dimensions are in inches							
In	mm	A	B	C	D	Ø E	F	G	H
2	50	12 5/8	3 1/4	5 1/2	3 7/8	4	1 3/4	8 11/16	1 3/4
2 1/2	65	13 9/16	3 5/8	6	3 7/8	4 13/16	1 3/4	8 11/16	1 7/8
3	80	14 1/8	3 7/8	6 1/4	3 7/8	5 1/2	1 3/4	8 11/16	1 7/8
4	100	15 1/2	4 3/8	7	3 7/8	6 1/4	1 3/4	12 5/8	2 1/16
5	125	16 5/8	5	7 1/2	3 7/8	7 1/16	1 3/4	12 5/8	2 1/4
6	150	17 7/8	5 5/8	8	3 7/8	8 7/16	1 3/4	12 5/8	2 1/4
8	200	20 1/4	6 3/4	9 5/8	3 7/8	10 5/8	1 3/4	16 9/16	2 3/8

R-3/7/11



Neptune-Benson

6 Jefferson Drive, Coventry, RI 02816 401.821.2200 800.832.8002 Fax 401.821.7129
 aquatopia@neptunebenson.com www.neptunebenson.com www.defenderfilter.com

DOMINION™ BUTTERFLY VALVES NYLON COATED BODY AND DISC

BODY

- Cast aluminum, semi-lug body with flange lug drilling to meet most ANSI 125/150 specifications.
- RILSAN® Nylon 11 coated.
- 2" minimum neck length clearance.

STEM AND DISC

- Through-stem direct drive design requiring no disc screws or pins to connect stem to disc with no possible leak paths in disc stem connections.
- Stem mechanically retained in body neck with corrosion-resistant 304 stainless steel retainer ring.
- Spherically machined, hand-polished disc edge and hub for minimum torque and maximum sealing capability.
- No part of the stem shall be exposed to line media.

SEAT

- Tongue-and-groove seat design with primary hub flat seal and a molded o-ring suitable for weld-neck and slip-on flanges.
- Seat totally encapsulates the body with no flange gaskets required.
- Seat should be interchangeable with all other valve styles of manufacturer.

STEM SEAL AND BUSHING

- Equipped with fixed stem seal and non-corrosive nylon-6 bushings.

PRESSURE RATINGS

- All valves must be factory tested for bubble-tight shutoff to 110% of it's pressure rating.
- All valves must be rated bi-directionally to the full pressure rating specified.

MATERIAL SPECIFICATIONS

- **BODY:** RILSAN® - Nylon 11 coated cast aluminum – ASTM B179S12C/DIN 1706AC44100 (2"-12" SIZES)
RILSAN® - Nylon 11 coated ductile iron – ASTM A395M:88/DIN ENJS 1020 EN1563 (14"-16" SIZES)
- **DISC:** RILSAN® - Nylon 11 coated ductile iron – ASTM A395M:88/DIN ENJS1020EN1563
- **STEM:** 420 SS – AISI grade 420
- **SEAT:** EPDM

R 6/23/11



Neptune-Benson

6 Jefferson Drive, Coventry, RI 02816 401.821.2200 800.832.8002 Fax 401.821.7129
aquatopia@neptunebenson.com www.neptunebenson.com www.defenderfilter.com

FILTER SAND

SEE FP DRAWINGS FOR MEDIA QUANTITIES



CERTIFIED

TYPICAL ANALYSIS

MEETS
AWWA
STANDARD
B-100-89

OPENINGS		TYLER MESH	U.S. SIEVE NO.	EFFECTIVE SIZE RANGE	
MM	In.			RET	PASS
26.67	1.050				
18.35	.742				
13.33	.525				
9.423	.371				
6.680	.263	3			
4.699	.185	4	4		
3.327	.131	6	6		
2.362	.093	8	8	0	100.0
1.651	.065	10	12	0.3	99.7
1.168	.046	14	16	0.2	99.5
.833	.0328	20	20	18.6	80.9
.589	.0232	28	30	66.4	14.5
.417	.0164	35	40	13.0	1.5
.295	.0116	48	50	1.4	0.1
.208	.0082	65	70		
.147	.0058	100	100		
.104	.0041	150	140		
.074	.0029	200	200		

PRODUCT DESCRIPTION

COMPOSITION (Wt%)

SiO₂ 99.40
Al₂O₃ 0.13
CaO 0.03
Fe₂O₃ 0.03

K₂O 0.02
TiO₂ 0.02
Na₂O 0.01
MgO 0.01
LO.I. 0.21

HARDNESS ON MOH'S SCALE: 6-8
SPECIFIC GRAVITY: 2.65
ACID SOLUBILITY: .11
STANDARD UNIFORMITY COEFFICIENT LESS THAN 1.5

R 8-6-03



Neptune-Benson™
Discover the World of Aquatopia.

FILTER GRAVEL

SEE FP DRAWINGS FOR MEDIA QUANTITIES



CERTIFIED

TYPICAL ANALYSIS FILTER GRAVEL GRADES

MEETS
AWWA
STANDARD
B-100-89

% RETAINED ON INCH OPG	1"x2.5"	.75"x1.5"	.5"x1"	.5"x.75"	.375"x.625"	.25"x.5"	.1875"x.375"	.125"x.25"
2.5"	7.0							
1.5"	81.6	0						
1"	11.4	21.4	0					
.75"		73.0	4.8	3.9				
.625"			90.4	53.7	0			
.5"				39.7	16.2	0		
.375"					81.2	53.0	0.5	
.25"						44.2	53.8	0.4
.1875"							45.5	49.9
.125"								43.0
.0625"								
PAN	0	5.6	4.8	2.7	2.6	2.8	0.2	6.7

% RETAINED ON US SIEVE	.125"x.0625"	.1875"x10 MESH	.125"x10 MESH
4	0	0.4	0
6	0.6	29.2	1.4
8	44.0	62.2	43.0
10	35.2	5.1	35.3
12	14.6		14.6
PAN	5.6	3.1	5.7

PRODUCT DESCRIPTION

COMPOSITION (Wt%)

SiO ₂	99.40	K ₂ O	0.02
Al ₂ O ₃	0.13	TiO ₂	0.02
CaO	0.03	Na ₂ O	0.01
Fe ₂ O ₃	0.03	MgO	0.01
		LO.I.	0.21

HARDNESS ON MOH'S SCALE: 6-8
SPECIFIC GRAVITY: 2.6
ACID SOLUBILITY: .05 - .90%

R 11-1-01



Neptune-Benson™
Discover the World of Aquatopia.

VENDOR TO SUPPLY ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE SERVICING OF THE COMMUNITY COLLEGE OF RHODE ISLAND (CCRI) SWIMMING POOL LOCATED AT THE LINCOLN CAMPUS AS PER THE DETAILS OUTLINED IN THE ATTACHED SCOPE OF WORK. .

SERVICES TO INCLUDE BUT NOT BE LIMITED TO THE DRAINING AND REFILLING OF THE POOL, CLEANING AND INSPECTION OF THE FILTRATION SYSTEM, INSTALLATION OF NEW ISOLATION VALVES, ACID WASHING AND POWER WASHING OF POOL AND DECK AREA, REPAIR ANY DAMAGED POOL WALLS, COPING, AND TILES BOTH IN THE POOL AND IN SURROUNDING POOL ROOM AREAS, PREP AND PAINT WALLS, DOORS AND BLEACHERS IN POOL AREA AND AS AS FOLLOWS: .

PHASE 1 - POOL FILTRATION SERVICE:

NOTE:

PRIOR TO DRAINING POOL VENDOR MUST LOCATE AND INSPECT HYDROSTATIC RELIEF VALVE TO ENSURE VALVE IS FREE OF DEBRIS AND IN WORKING ORDER.

THIS INSPECTION MUST BE WITNESSED BY CCRI DESIGNEE.

- A. DRAIN SWIMMING POOL AND SURGE TANK.
- B. SERVICE SURGE AND WASTE TANK.
- C. REMOVE ALL DEBRIS FROM SURGE AND WASTE TANKS AND INSPECT.
- D. INSTALL ISOLATION VALVE ON MAIN DRAIN WITH VALVE EXTENSION TEE HANDLE TO ISOLATE MAIN DRAIN
- E. INSTALL ISOLATION VALVE IN GUTTER LINE.
- F. INSTALL ISOLATION VALVE ON MAIN RETURN
- G. INSPECT HYDROSTATIC RELIEF VALVES IN MAIN DRAINS POWER WASH SWIMMING POOL
- H. REMOVAL AND DISPOSAL OFFSITE OF EXISTING FILTER MEDIA.
- I. INSPECT ALL INTERNAL FILTRATION COMPONENTS IN THE FILTER SYSTEM.
- J. INSTALL NEW FILTER MEDIA.
- K. INSTALL NEW MANHOLE GASKET.
- L. REFILL POOL WITH CITY WATER PER LINCOLN WATER COMMISSION REGULATIONS.
- M. START UP AND INSPECT FILTRATION SYSTEM.
- N. ADD START UP CHEMICALS.

PHASE 2 – POOL TILE AND GROUT REPAIRS:

- A. REMOVE ALL LOOSE TILE, GROUT FROM POOL, DECK, AND COPING.
- B. INSTALL NEW TILES TO MATCH CURRENT COLOR SCHEMES WITH CCRI APPROVAL.
- C. RE-GROUT DAMAGED AREAS AND NEW TILES MATCH COLOR PER CCRI APPROVAL.
- D. ACID WASH POOL WALLS, FLOOR, COPING AND DECK AREA.
- E. NEUTRALIZE ACID.
- F. POWER WASH SWIMMING POOL, COPING AND DECK AREAS. .

PHASE 3 - POOL AREA WALL AND TILE REPAIRS

- A. REPAIR DAMAGED POOL BUILDING WALL AREAS AS NEEDED. WITHIN TEN (10) FEET ELEVATION OF POOL DECK AREA. CRACKS TO BE REPAIRED WITH HIGH STRENGTH, GLASS FILLED, HUMIDITY RESISTANT, MASONRY PLASTER.
- B. REMOVE, REPLACE, GROUT AND SEAL APPROXIMATELY 180 LINEAR FEET OF DAMAGED TILES AND BASE COVE TILES FROM TWELVE (12) COLUMNS.

PHASE 4 - WALL REPAIRS AND PAINTING:

POOL AREA AND SMALL OFFICE WALLS AND FLOOR AREA WHERE BLEACHER SEATS ARE

- A. LIGHT SANDING ON ALL CEMENT BLOCK WALLS TO A SCUFF FINISH.
- B. SAND ROUGH EDGES ON FLOOR WHERE BLEACHER SEATS ARE TO A SMOOTH FINISH.
- C. COVER COMPLETE POOL WITH PLASTIC.
- D. SPOT PRIME ALL BARE AREAS.
- E. PAINT CEMENT BLOCK WALLS WITH TWO COATS OF OIL BASE TWO PART EPOXY.
- F. PAINT FLOOR ARE WHERE BLEACHER SEATS ARE WITH TWO COATS OF OIL BASED EPOXY WITH SAND FOR SCUFF FINISH.
- G. PAINT SOUND PROOF PANELS WITH TWO COATS OF LATEX PAINT.
- H. ALL PAINTS TO BE SHERWIN WILLIAMS PAINT.
- I. WASH ALL DOORS TO A CLEAN FINISH BEFORE PAINTING.
- J. PAINT DOORS WITH TWO FULL COATS.

LINCOLN CAMPUS SWIMMING POOL SERVICE/R00:

- A. STRIP BLEACHER SEATS TO BARE WOOD.
- B. AFTER STRIPPING BLEACHER SEATS, ALL WOOD WILL BE SANDED TO A SMOOTH FINISH.
- C. POLYURETHANE BLEACHER SEATS WITH TWO FULL COATS OF OIL BASED GLOSS FINISH.
- D. ALL PAINTS TO BE SHERWIN WILLIAMS PAINTS.

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

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.

START DATE

STARTING DATE _____ NO. OF WORKING DAYS REQUIRED FOR COMPLETION _____

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.

TERMS CONTINUED:

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.

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.

AWARD

THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS.

TERMS CONTINUED:

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.

END DOCUMENT