ADDENDUM NUMBER 3

February 14, 2019

Project: Improve Kentland Facilities: Bovine Extension Teaching & Research Facility (BETR)
IFB No. VT-229-17830-003

Location: Blacksburg, Virginia 24061

TO ALL BIDDERS:

GENERAL: Addenda are part of the Contract Documents and are issued to amend or interpret
the Drawings and Specifications. The Addenda shall be acknowledged in the Bid Form in the
space provided for addenda acknowledgement.

Addenda list items by Drawings and Specifications. However, only specification items are
referenced to Sections. Drawing changes, as well as Specification changes, described in
Addenda shall include all Work required by the various trades involved to effect the changes
described.

1. The date sealed bids are due on this project is being extended for a period of two (2)
weeks.

2. Sealed bids will be received at the Capital Construction and Renovation office, 90 Sterrett
Facilities Complex, 230 Sterrett Drive, Blacksburg, VA 24061. The deadline for
submitting bids is 3:00 P.M. sharp, as determined by the Bid Officer, on Tuesday,
March 5, 2019.

3. The bids will be opened publicly and read aloud beginning at 4:00 P.M., on Wednesday,
March 6, 2019 at the Sterrett Facilities Classroom. A Bid Bond is required.

GENERAL
1. See pre-bid questions and responses, attached.

A321 - BETR WALL SECTS & DETLS CLASSROOM BLDG
1. REVISE Detail 7 to provide bagged acoustical insulation two feet on each side of
operable partition wall, placed above acoustical ceiling tiles.

S103-BETR FOUNDATION PLAN – DEMONSTRATION AREA
1. REVISE note for demonstration area floor material to “SEE DEMONSTRATION AREA
SURFACE NOTES, THIS SHEET”
2. ADD notes:

DEMONSTRATION AREA SURFACE NOTES:
1. PREP DEMONSTRATION AREA SUBGRADE PRIOR TO SAWDUST
APPLICATION. SURFACE SHALL BE CLEARED OF ANY CONSTRUCTION
DEBRIS, LEVELLED, SMOOTH AND FREE OF ROCKS OR ORGANIC MATTER.
LIGHTLY COMPACT.
2. DEMONSTRATION AREA FOOTING SHALL CONSIST OF 4” DEEP, SAWDUST.
3. SAWDUST SHALL BE SOFTWOODS.

SPECIFICATIONS

23 09 23 DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC

1. REPLACE Section.

ALL OTHER TERMS, CONDITIONS, AND DESCRIPTIONS REMAIN THE SAME. THE BID DUE DATE AND TIME REMAIN AS LISTED IS EACH IFB.

END OF ADDENDUM NUMBER 3
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A401-BETR:

- PLAN 1/A401 DOES NOT INCLUDE SINK IN ROOM 109
- NOR IS THE SINK TYPE SHOWN ON PLUMBING DRAWINGS
- DOES THIS SINK REQUIRE TOILET ACCESSORIES

The following question concerns Specifications Section (number)_______, page ______, paragraph ______:

Question submitted by: PAT STINSON
Swope Construction

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sgguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
A sink is required in Room 109 as shown on A101-BETR. Sink is type S-5, see Plumbing Equipment Schedule, P001-BETR.

Spectrum Design, 2/5/19
**PREBID QUESTION FORM**

(Use separate Form for each question submitted.)

**Date:** 2/5/19

**Project:** IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA  
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) C201- BE CTR : A102-BETR  
CIVIL DRAWING (NOTE A) CALLS FOR 2-10’ GATES  
ARCHITECTURAL A1102 SHOWS 1-18’ GATE  
AT EACH OPENING.

The following question concerns Specifications Section (number)______ , page ______ , paragraph _____:

Question submitted by: PAT STINSON  
SWEPE CONSTRUCTION  

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sgguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

**RESPONSE:**

Each location to receive (1) 18 ft gate. Gates are to hinge from the opposite side of the opening (plan north)

Spectrum Design, 2/6/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) C201-BETA

- Civil drawings indicate gutter downspouts to be connected to storm piping. Architectural drawings show downspouts spilling onto ground.
- Please provide connection detail and downspout boot spec if required.
- Civil shows on note A, two 10' gates. Arch. shows one gate. Provide spec and size required.

The following question concerns Specifications Section (number) ________, page ________, paragraph ________:

________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

Question submitted by: PAT STINSON SWORE CONSTRUCTION

Name Organization

Bidders shall submit forms to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guiliams sguiliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Roof downspouts shall not discharge to grade. All downspouts shall connect to underground storm piping with cast iron downspout boot connection by Neenah, or approved equal.

Spectrum Design, 2/7/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A101 - BETR

- PLEASE PROVIDE SIZE & SPEC FOR M6A SHOWN ON A101

The following question concerns Specifications Section (number) page paragraph:

Question submitted by: PAT STINSON
Swope Construction

Bidders shall submit form to Jackie Mayrosh jmeyrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Marker boards are NIC.

Spectrum Design, 2/5/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A101-BETR

- PROVIDE SIZE & SPEC FOR MOB ON PLAN 1/A101
- PLAN 2/A101 SHOWS SN-1 (OPERABLE PARTITION) AT WINDOW LOCATIONS. ASSUME THIS SHOULD BE SN-2.
- PLAN 2/A101 IS MISSING SN-2 @ OFFICE 103 WINDOW
- PROVIDE SPEC FOR SN-2 SUN SHADES

The following question concerns Specifications Section (number)_______, page ______, paragraph ______:

Question submitted by: PAT STINSON
Name
SWEPCO CONSTRUCTION
Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE: See Addendum 1.
No roller shades are included in the project.
A101-BETR: Delete the SN-1 call-out from Windows.
A101-BETR: Delete note SN-2 from the Sheet Notes.

Spectrum Design, 2/5/19
DGS-30-272
(Rev. 04/15)

PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENILWORTH FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
           FACILITY (BETR)
           VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
           BLACKSBURG, VIRGINIA
           VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number)

The following question concerns Specifications Section (number)_______, page _______, paragraph 3.5A:

SPEC CALLS FOR INSULATION OVER ENTIRE CEILING
OR JUST OVER THE ACT CEILINGS?

Question submitted by: Pat Stinson, SWORF CONSTRUCTION

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guiliams
squilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
In general, insulation is not required at the ceiling. See Addendum #2 for limited insulation requirements

Spectrum Design 2/8/19
Date:  **Feb. 5, 2019**

Project:  IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA  
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) **4 & 6 /A321 Roof details**:  
There are some concerns with the roof detail regarding two layers of glass faced sheathing and the two weather barriers, one moisture and one air, will trap moisture between them. And there is no 'nailable' surface for fastening the roof deck. See attached product information that shows the roof systems components for an example. Please provide a revised section for a functional roofing system.

The following question concerns Specifications Section (number) **074110**, page **8**, paragraph **2.7.B**:  
Please clarify whether to use a mechanically seamed metal roof or a snap lock product. The product description at the end of the first paragraph of 2.7.B. is for mechanically seamed panels. Then in the beginning of 2.7.B.1 it states the basis of design product is MBCI SnapLok which is not a mechanically seamed panel.

**Question submitted by:**  
Hank Morgan  with CPPI

Bidders shall submit form to Jackie Mayrosh mayrosh@spectrumpc.com and Sonya Guilliams suilliams@spectrumpc.com

**The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.**
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: ____________________

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
        FACILITY (BETR)
        VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
        BLACKSBURG, VIRGINIA
        VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) ____________________________:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

The following question concerns Specifications Section (number) ________, page ________, paragraph ________:

________________________________________________________________________

________________________________________________________________________

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________________________________________________________________________

________________________________________________________________________

Question submitted by: __________________________________________

Name __________________________________________ Organization __________________________

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams
sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
The roof assembly as detailed is functional. The air barrier on the bottom will allow the assembly
to dry to the inside. The assembly is to be mechanically fastened to the metal roof deck with screws appropriately sized and spaced.

The basis of design (snap-lock style) roof product is correct

Spectrum Design 2/8/19
H-Shield NB is a rigid roof insulation composite panel composed of a closed cell polyisocyanurate foam core manufactured on-line to a fiber reinforced facer on one side and either 7/16" or 5/8" oriented strand board (OSB) on the other. H-Shield NB can also be manufactured off-line bonded to 5/8" or 3/4" plywood.

**FEATURES AND BENEFITS**
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, EPA Compliant, and has virtually no GWP
- A superior combination of high insulating properties and a nailable surface
- Suitable for new construction and re-roofing on both commercial and residential projects
- Incorporates APA-TECO Rated Exposure 1 OSB and Plywood
- The edges of the wood panels are rabbeted to allow for expansion and contraction of the wood. The foam edges shall be installed tightly to achieve thermal integrity across the entire roof deck
- Available as a non-rabbeted panel upon special request
- Hail Rating: SH-1, VSH

**PANEL CHARACTERISTICS**
- Available in two grades of compressive strengths per ASTM C1289 Type V, Class 1 Grade 2 (20 psi) or Grade 3 (25 psi)
- Also available in ASTM C1289 Type V, Class 2 (H-Shield CG), Grade 2 (20 psi) or Grade 3 (25 psi)
- Available size is 47.5"x95.5" when manufactured on line in thicknesses of 1.5" (38mm) to 4.0" (102mm)
- Available in 48"x96" when manufactured off line in thicknesses of 1.5" (38mm) to 4.0" (102mm)
- Multiple Substrate Types Available:
  - OSB: 7/16", 5/8" or 3/4"
  - Plywood: 5/8" or 3/4" CDX
  - Fire-Treated

**ROOFING APPLICATIONS**
- Heavyweight Shingles
- Standing Seam Metal Roof Systems
- Tile
- Slate
- Single-Ply Roof Systems - Ballasted, Mechanically Attached, Fully Adhered. (For high wind speed warranty — see individual Single-Ply manufacturer approvals and listings)

**Codes and Compliances**
- ASTM C 1289 Type V, Grade 2 (20 psi) or Grade 3 (25 psi)
- International Building Code (IBC) Chapter 26
- State of Florida Product Approval Number FL 5968
- Miami Dade County Product Control Approved

**Underwriters Laboratories Inc Classifications**
- UL 1256
- Insulated Steel Deck Construction Assemblies – No. 120, 123
- UL 790
- UL 263 Hourly Rated P Series Roof Assemblies

**UL Classified for use in Canada**
- Refer to UL Directory of Products Certified for Canada for details

**Factory Mutual Approvals**
- FM 4450, FM 4470
- Approved for Class 1 insulated steel deck constructions. Refer to FM Approval’s RoofNav for details on specific systems

**LEED Potential Credits for Polyiso Use**

**Energy and Atmosphere**
- Optimize Energy Performance

**Materials & Resources**
- Building Life-Cycle Impact Reduction
- Environment Product Declarations
- Materials Reuse
- Recycled Content
- Construction and Demolition Waste Management

**H-Shield NB THERMAL VALUES**

<table>
<thead>
<tr>
<th>THICKNESS (INCHES)</th>
<th>LTTR R-VALUE</th>
<th>FLUTE SPANABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>6.3</td>
<td>4 3/8&quot;</td>
</tr>
<tr>
<td>2.0</td>
<td>9.2</td>
<td>4 3/8&quot;</td>
</tr>
<tr>
<td>2.5</td>
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<td>4 3/8&quot;</td>
</tr>
<tr>
<td>4.0</td>
<td>21.1</td>
<td>4 3/8&quot;</td>
</tr>
</tbody>
</table>

*Long Term Thermal Resistance Values are based on ASTM C 1289.*

**Thickness is calculated with 7/16" OSB.**

H-Shield NB is only manufactured in the sizes listed above and on our packaging and weight chart. R-values other than those listed can be achieved by installing a multi layer system consisting of an additional layer of flat polyiso under H-Shield NB.
WARNINGS AND LIMITATIONS
Insulation must be protected from open flame and kept dry at all times. Install only as much insulation as can be covered the same day by completed roof covering material. Hunter Panels will not be responsible for specific building and roof design by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice.


INSTALLATION
Shingles, Tiles, Slate, Metal and Membrane Roofing
H-Shield NB is installed, wood side up over steel, plywood or structural roof decks. Hunter SIP NB Panel Fasteners are required to secure the H-Shield NB to the steel or plywood deck. Wood blocking, if necessary, should be equal in thickness to the H-Shield NB and should be installed along the eaves and rake edges of the roof. The roofing system is then installed according to the manufacturer’s recommendations.

H-Shield NB may be adhered to a ½” per ft. max slope properly prepared cementitious deck (with a full mopping of Type III or Type IV asphalt or a low rise adhesive) only when manufactured online. All H-Shield NB manufactured off-line must be mechanically attached.

The Use of Synthetic Underlayments
The use of synthetic underlayments is becoming an industry norm (for steep slope applications). Hunter Panels strongly suggests the use of a synthetic underlayment under asphalt shingles unless otherwise specified by the shingle manufacturer. Synthetic underlayments provide excellent water resistance and absorb no moisture.

Vapor Retarders
The incorporation of a vapor barrier or retarder within the roofing assembly is highly recommended when the project is located in Zones 4 - 8 as determined by the International Code Council Dept. of Energy NW National Lab of the United States (map located at www.polyiso.org). Consult a licensed design professional, architect or engineer to establish whether or not a vapor barrier is necessary and to specify its type and location within the system. This is especially important during the construction phase when excessive moisture drive is present. Hunter Panels recommends that a dew point calculation be performed prior to the installation of any product. This calculation is based on the buildings interior relative humidity, interior temperature conditions and outside temperature. Excessive moisture migration and temperature fluctuations during construction will potentially damage the system and cause unwanted condensation and aesthetic anomalies.

Fastening Guidelines
Hunter Panels requires the use of the Hunter Panels SIP SD Panel Fastener for steel deck applications, the SIP WD for plywood deck applications, and SIP HD for heavy duty steel decks. Additional information on fasteners and fastening patterns are available on our website at www.hunterpanels.com.

H-Shield NB on
Plywood Deck

Vapor Barrier (If applicable)

H-Shield NB on
Metal Deck

Metal Roofing

Underlayment

H-Shield NB (with plywood)

Vapor Barrier (If applicable)

H-Shield NB two-layer system on Plywood Deck

Slate Roofing

Underlayment

H-Shield NB (with OSB)

Vapor Barrier (If applicable)

Refer to H-Shield NB Installation Guide for application specific installation instruction & fastener information. (access a digital copy at www.hunterpanels.com or scan the QR code below)

TYPICAL PHYSICAL PROPERTY DATA CHART

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength</td>
<td>ASTM D 1621</td>
<td>20 psi* (138kPa, Grade 2)</td>
</tr>
<tr>
<td>Dimensional Stability</td>
<td>ASTM D 2126</td>
<td>2% linear change (7 days)</td>
</tr>
<tr>
<td>Moisture Vapor Transmission</td>
<td>ASTM E 96</td>
<td>&lt; 1 perm (57.5ng/(Pa•s•m²))</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ASTM C 209</td>
<td>&lt; 1% volume</td>
</tr>
<tr>
<td>Flame Spread**</td>
<td>ASTM E 84</td>
<td>&lt; 75</td>
</tr>
<tr>
<td>Smoke Developed**</td>
<td>ASTM E 84</td>
<td>&lt; 450</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>~</td>
<td>-100° to 250° F (-73°C to 122°C)</td>
</tr>
</tbody>
</table>

*Also available in 25 psi, Grade 3

**Meets the requirements of the IBC code. For specific Flame Spread or Smoke Developed Ratings - please contact the Hunter Panels Technical Department

**Also available in 25 psi, Grade 3

*Also available in 25 psi, Grade 3
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/6/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA  
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number):


The following question concerns Specifications Section (number) , page , paragraph :

TO WHAT EXTENT IF ANY IS TERMITE TREATMENT REQUIRED FOR THE DEMONSTRATION BUILDING AS IT HAS A FLOOR COMPOSED OF SAWDUST & SAND?


Question submitted by:  PAT STINSON  Swope Construction

Name  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpe.com and Sonya Guilliams sguilliams@spectrumpe.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

Response:
no termite treatment is required for the demonstration building

Spectrum Design, 2/8/19
Date: 2/7/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number): A321

Section 6: Plans indicate 4 1/2" Polyiso insulation with 1/2" sheathing top and bottom. Spec Section 072200-2.3 B&C indicates 5 1/4" or 2 3/4" Polyiso insulation with FRT plywood. Please clarify.

Does the 3/4" metal wrapped plywood on fascia need to be FRT treated?

The following question concerns Specifications Section (number): , page , paragraph :


Question submitted by: Pat Stinson
Swope Construction

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumcp.com and Sonya Guilliams sguilliams@spectrumcp.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

Response:
1. The 4 1/2" polyiso with 1/2" sheathing top and bottom as shown in the drawing are the correct materials
2. The plywood at the fascia does not need to be FRT, but it does need to be exterior exposure grade.

Spectrum Design, 2/8/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/7/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BFTR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number)______________

A322 DEMONSTRATION BUILDING SECTIONS INDICATE ROOF & WALL INSULATION. PLEASE PROVIDE THICKNESS.

& SPEC.

The following question concerns Specifications Section (number)________, page________, paragraph________:

Question submitted by: PAT STINSON Swope Construction

Name Organization

Bidders shall submit form to Jackie Mayrosh jmayo@_spectrumpc.com and Sonya Guiliams sguilliams@_spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Provide 8" vinyl faced fiberglass batt insulation in the demonstration area

Spectrum Design 2/8/19
Date: 2/5/2016

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A401-BETR:

There is a conflict with the fire rating on doors 105 and 106 and the hardware on the Kentland BETR. The schedule calls for the doors to be 20 minute rated, but hardware set calls for push / pulls on those doors. Hardware for fire rated doors must be self-closing and latching.

The following question concerns Specifications Section (number)_______, page_______, paragraph_______:

Question submitted by: Phil Callicott

Name

Snyder and Associates

Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE,

At doors 105 and 106, provide lever handle passage set and closer.

Spectrum Design, 2/5/19
Date: 1-24-19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A401:

Finish schedule calls for RES1 finish at Entry vestibule.

The following question concerns Specifications Section (number) 09.68.13, page ________, paragraph _____:

Walk off mat specification calls for glued down tiles at this location.

Are we to include the cost of the Resinous floor finish under this glue down tile?

Question submitted by: ________________________________
Name ________________________________ Organization ________________________________

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumc.com and Sonya Guilliams sguilliams@spectrumc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Resinous flooring is not required to be installed under glue down tile in front entry (vestibule 101)
Spectrum Design, 2/5/19
Date: January 29, 2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA  
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A101-BETR:  
1.) Would you provide a specification or manufacturer as basis of design for the marker boards MB1 shown on the Floor Plan 1/A101-BETR?

2.) Please verify whether or not any of the following items shown in the 'Symbols Legend' are to be included in this bid. If so, please provide a specification for them or a basis of design. SB6 Smart Board; TW-S Tackwall; AW-15 Art Wall; TB4 Tack board; TS20 Tack strips; TW8 Tackable wall.

The following question concerns Specifications Section (number) , page , paragraph :

Thank you.

Question submitted by: Hank Morgan CPPI
Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sgguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
All items noted above are NIC.
Spectrum Design, 2/5/19
Date: 1-29-19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)  
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY  
BLACKSBURG, VIRGINIA  
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) C201:  
I do not see a typical section for the Asphalt that is shown in the plan!

What are the asphalt paving requirements?

Ryan C. Kesler Estimator/Project Manager - Salem496 Glenmore Drive
Salem, VA 24153
540-682-3622 (c)  
boxley.com

The following question concerns Specifications Section (number)_______, page ________, paragraph ________:


Question submitted by:________________________ Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:  
Asphalt pavement areas as called out by keynote 6 on sheet C201 shall consist of a pavement section as follows:
2" Type SM-9.5A Asphalt Concrete  
3" Type BM-25.0 Asphalt Concrete  
8" Aggregate Base Material Type 1, #21 or #21A Stone  
Compacted Subgrade

Spectrum Design, 2/4/19
Date: January 24, 2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR) VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY BLACKSBURG, VIRGINIA VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) C202-BETR Grading Plan:

Please verify the proposed elevations on the grading plan sheet C202-BETR. They appear to tie into existing grade lines, but we want to be sure. Thanks.

The following question concerns Specifications Section (number) ________, page ________, paragraph ________:

Question submitted by: Hank Morgan with CPPI
Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE: The site grading plan and proposed elevations are as intended based on the existing site survey.

Spectrum Design, 1/22/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date:  2/4/2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
       FACILITY (BETR)
       VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
       BLACKSBURG, VIRGINIA
       VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) M002-BETR:

Drawing M002 shows the schedule for the Gas-Fired Radiant Heaters. The Heating
capacity is stated at 100 MBH in the schedule. However, the model number listed
represents a 200 MBH radiant heater. Please advise which of these is the correct
MBH for the Radiant Heaters. Please also confirm the length.

The following question concerns Specifications Section (number)_______, page _______, paragraph ______:

RESPONSE:
100 MBH is correct. Model number should be VCT100. Note that plumbing drawings do correctly show 100 mbh of
natural gas to each radiant heater.

Robert Mayfield (Spectrum Design), 2/4/19

Question submitted by:  JJ Jennings  Southern Air
Name  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams
sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.
Date: 2/7/2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
    FACILITY (BETR)
    VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
    BLACKSBURG, VIRGINIA
    VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number)__________________________:

______________________________________________________________________________

______________________________________________________________________________

The following question concerns Specifications Section (number)_______, page 85_______, paragraph_______:

5. PAYMENTS: The procedures for establishing a Schedule of Values for the Work, for requesting
monthly progress payments for Work in place, and for requesting payments for properly stored materials
are stated in the General Conditions. Unless otherwise provided under the Contract Documents, interest
on payments due the Contractor shall accrue at the rate of one percent per month. §2.2-4354 of the Code
of Virginia.

eVA Vendor Registration: The bidder or offeror shall be a registered vendor in eVA. See the attached
eVA Vendor Registration Requirements.

GCPay: Contract payments shall be made through GCPay. Go to www.dgs.virginia.gov/deb to see the fee
schedule and the instructions on how to process pay applications.

What form will contract payments will GC pay make? Will it be a check or some other form (a wire transfer for
example)?

This response is from Ginny Johnston support@gcpay.com:

Oh ok, You will need to ask whoever you are submitting your pay applications to. Payment does not go through us so we have no idea if they will pay you with a check or by wire.

______________________________________________________________________________

Question submitted by: Phil Callicott ___________________________ Snyder and Associates
Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams
sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:

Payment will be ACH (fully electronic).

Virginia Tech, 2/7/19
DGS-30-272
(Rev. 04/15)

PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 1-25-19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) S103-BETR:

Note in Foundation Plan

What is the soil mixture by weight or volume? Is it soft wood or hardwood sandust?

The following question concerns Specifications Section (number) , page , paragraph :

Response:
See Addendum 2 revisions to Drawing S103-BETR for clarification.

Spectrum Design, 2/4/19

Question submitted by: Precision Contractors Construction, Inc.

Bidders shall submit form to Jackie Mayrosh imayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date:  2/4/2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
         FACILITY (BETR)
         VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
         BLACKSBURG, VIRGINIA
         VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) BETR Drawings:

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The following question concerns Specifications Section (number) 238129, page 11, paragraph ______:

In Specs section 238129 it states that the VRF system is to have a BACnet compatible interface for future integration into the Siemens Building Automation System. Does this mean that the current intention is for the VRF system to operate standalone?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Question submitted by:  JJ Jennings  Southern Air
Name  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE
Refer to top left of Sheet M010, particularly notes #1, #4 and #6. Intent is for BETR to have its own HVAC control system and strongly rely on manufacturer controllers for HVAC system operations. BACnet open protocol is still required for Controls Communications. Note that there are alarms that shall be communicated to VT’s Command and Control Center provided that VT provides the communication wires to the BETR.

Spectrum Design
Robert Mayfield, 2/5/19
Date: 1/28/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) Sheet P101-BETR:
1. The Floor Plan is showing what looks like two sinks to the right of all the other plumbing. These sinks have no label to identify them. There is an S5 on the Schedule on P001-BETR, could these sinks be S5’s?

RESPONSE:
(1) The classroom sink is S-5, located near the bottom of the Drawing in Classroom 109.
(2) The sink the middle of the Drawing in Janitor’s Closet 102A is floor-mounted JS-1.

Robert Mayfield (Spectrum Design), 2/4/19

The following question concerns Specifications Section (number) , page , paragraph :

Question submitted by: Phil Callicott
Snyder and Associates

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.
The following question concerns Drawing Sheet (number) Poo1-BETR, P101-BETR, P401-BETR.

1. Sheet P101-BETR, the Floor Plan is showing what looks like two sinks to the right of all the other plumbing. These sinks? have no label to identify them. There is an S5 on the Schedule on P001-BETR, could these sinks be S5’s?

**RESPONSE:**

(1) The classroom sink is S-5, located near the bottom of the Drawing in Classroom 109.
(2) The sink the middle of the Drawing in Janitor’s Closet 102A is floor-mounted JS-1.

Robert Mayfield (Spectrum Design), 2/4/19

2. Sheet P401-BETR, the enlarged mechanical room plan shows the 110 degree tempered water heading to the right and from the overall it looks like this is feeding just the two sinks I am describing in 1. above. Is this correct?

**RESPONSE:**

Yes, this is correct.

Robert Mayfield (Spectrum Design), 2/4/19

3. Sheet P401-BETR, the enlarged toilet plan is calling out 2 ea of WH-2 behind the toilets. WH-2 is shown as a concealed box wall hydrant on the schedule but the schedule is also calling out an HB-1, which is a little chrome hose bibb that is usually installed here. Should this be the HB-1? And if so, is there supposed to be any WH-2’s? If so, where?

**RESPONSE:**

Refer to Sheet P401-BETR, Detail 4. The two wall hydrants (WH-2) are located on each wall of the plumbing chase. Refer to Sheet P401-BETR, Detail 2. There is a freeze proof wall hydrant WH-1 at bottom of detail. HB-1 is intended for a drain/wash down hose bibb in the mechanical room.

Robert Mayfield (Spectrum Design), 2/4/19

4. APR plans had a booster pump for their yard hydrants but I am not seeing anything on the BETR plans asking for a booster pump, just wanting to verify this

**RESPONSE:**

The BETR does not have a booster pump.

Robert Mayfield (Spectrum Design), 2/4/19
5. Sheet P001-BETR calls out a mop sink but none is shown on the enlarged mechanical room plan. Is there a mop sink? If so, where does it go?

RESPONSE:
Refer to item #1 on this sheet.

Robert Mayfield (Spectrum Design), 2/4/19

Robert Mayfield (Spectrum Design), 2/4/19

The following question concerns Specifications Section (number) , page , paragraph :

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Question submitted by:
Name
Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.
Date: 1/28/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
  VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
  BLACKSBURG, VIRGINIA
  VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) _________________________________:

. Sheet P001-BETR calls out a mop sink but none is shown on the enlarged mechanical room plan. Is there a mop sink? If so, where does it go?

______________________________

______________________________

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The following question concerns Specifications Section (number) ______, page ______, paragraph _____:

______________________________

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______________________________

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Question submitted by: Phil Callicott Snyder and Associates

Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
(1) The classroom sink is S-5, located near the bottom of the Drawing in Classroom 109.
(2) The sink the middle of the Drawing in Janitor’s Closet 102A is floor-mounted JS-1.

Robert Mayfield (Spectrum Design), 2/4/19
Prebid Question Form

Date: 2/1/2019

Project: Improve Kentland Facilities – Bovine Extension Teaching & Research Facility (BETR)
Virginia Polytechnic Institute and State University
Blacksburg, Virginia
VA State Project #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) P001-BETR:

General Notes state BETR BLDG all sanitary piping beneath concrete slab shall be Heavy Duty Cast Iron with Hub Fittings. Will PVC still be permitted for underground sanitary use as stated on spec page 221316-11?

The following question concerns Specifications Section (number) , page , paragraph :

Question submitted by: Erick York
Southern Air

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

Response:
All below slab sanitary piping for the BETR Building shall be Heavy Duty Cast Iron with hub fittings, as is required by Virginia Tech construction standards and as indicated on the Drawings.

Robert Mayfield (Spectrum Design), 2/4/19
Prebid Question Form

Date: 2/6/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) ____________:


The following question concerns Specifications Section (number) ____________, page ________, paragraph ________:

"PLEASE APPROVE MODERSCO AS AN ACCEPTABLE SUPPLIER. SEE ATTACHED PRODUCT DATA."


Question submitted by: PAT STINSON
Name
SWARE CONSTRUCTION
Organization

Bidders shall submit form to Jackie Mayrash jmayarsh@spectrumcp.com and Sonya Guilliams sguilliams@spectrumcp.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

Response:
Substitutions of materials, specifications, or requirements are not permitted prior to the submission of bids however they will be considered post award.

Spectrum Design, 2/7/29
DGS-30-272
(Rev. 04/15)

PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/6/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number):__________________________:

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The following question concerns Specifications Section (number) ________, page ________, paragraph ________:

"FOLDING PARTITION SPEC MENTIONS FACING MATERIAL PATTERN "72" AFF. ARE BOTH SIDES OF ALL PANELS TO BE THE SAME FACING MATERIAL FULL HEIGHT (2.3 A)²."

__________________________________________________________________________

Question submitted by:  CAT STINSON  Swope Construction

Name  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumc.com and Sonya Guilliams sguilliams@spectrumc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Correct, both sides of all panels are to be the same material full height

Spectrum Design, 2/8/19
Date: 2/1/2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) M102-BETR and E101-BETR:

Drawing M102 shows a Fan Control Panel being mounted in the Class Room building controlling the circulation fans in the Demonstration Area. However,

Note 10 on E101 says this panel needs to be priced as Additive Bid Item #3.

Is this supposed to be priced as an Add item? If so, what is the base bid for the ventilation fan controls?

The following question concerns Specifications Section (number), page , paragraph :

RESPONSE:
DELETE Reference to Additive Bid Item #3. All work shown on the contract documents is in the Base Bid. There are no Additive Bid Items in this contract.

Spectrum Design, 2/4/19

Question submitted by: JJ Jennings

Southern Air

Name

Organization

Bidders shall submit form to Jackie Mayrosh mayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.
Date: 2/4/2019

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) BETR Drawings :

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The following question concerns Specifications Section (number) 233113 , page 9 , paragraph Duct Schedule

In Specs section 233113 in the duct schedule it says that all supply ductwork in the MRL building needs to be 3” W.G. Please define what section is classified as the MRL building.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
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Question submitted by: JJ Jennings Southern Air
Name Organization

Bidders shall submit form to Jackie Mayrosh mayrosh@spectrumc.com and Sonya Guilliams squilliams@spectrumc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Disregard this statement. The MRL is being constructed under separate contract.

Spectrum Design, 2/4/19
Date: 2-7-19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) ________________________________:

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________________________________________________________________________
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The following question concerns Specifications Section (number) ________, page ________, paragraph ________:

1. Spec 220553-1, 1.1A refers to a hot water hydrant being painted red instead of blue. I do not see any hot water hydrants shown on the plans.

2. Spec 221116-10, 3.12 Piping Schedule - Is the use of Viega Propress system acceptable for underslab or above ground or both?

3. Spec 221316-10, 3.9 Piping Schedule - I do not see Solid-wall PVC pipe and fittings as acceptable for aboveground vents. This material is allowed for every other system in this spec. Is PVC excluded from use in plumbing vents?

*Chris Pfohl*
Rome Mechanical
540-557-7476

Question submitted by: ________________________________

Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sg Guilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE

1. There are zero hot water hose bibbs or wall hydrants for the BETR Building.

2. Propress or similar press-connect joining methods are not permitted.

3. Section 1.3 of Spec 221316 states, "All sanitary vent piping shall be cast iron."

Robert Mayfield, PE 2/8/19
DGS-30-272
(Rev. 04/15)

PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH
         FACILITY (BETR)
         VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
         BLACKSBURG, VIRGINIA
         VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number)

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105113

The following question concerns Specifications Section (number) 096813, page _____, paragraph _____:

096813 SPEC INDEX LISTS WALK OFF MATS BUT NONE SHOWN ON DRAWINGS

105113 SPEC INDEX LISTS LOCKERS BUT NONE SHOWN ON DRAWINGS

________________________________________________________________________

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Question submitted by: Pat Stinson Swope Construction

Name Organization

Bidders shall submit form to Jackie Mayrosh jimayrosh@spectrumpc.com and Sonya Guilliams
sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
Locations of walk-off mats are noted in specifications. Front Entry (VEST 101) has glue down tile. Rear Entry (VEST 107) has the foot grille as specified.

Spectrum Design, 2/5/19
PREBID QUESTION FORM
(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
  VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
  BLACKSBURG, VIRGINIA
  VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) 4322-BETR ; S103-BETR:

- Is any water proofing required at concrete walls below grade?

The following question concerns Specifications Section (number)______, page ______, paragraph _____:

Question submitted by: Pat Altenor
  Name
  SWOPE CONSTRUCTION
  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

Response:
There is no requirement for waterproofing the concrete walls at the demonstration building.

Spectrum Design, 2/8/19
Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A321-BETR.

 DETAIL 3/A321: JUST A NOTE OF CLARIFICATION

 THAT THIS NORTH BUILDING WALL IS THE ONLY

WALL REQUIRING WOOD FURRING?

The following question concerns Specifications Section (number), page , paragraph :

Question submitted by:  PAT STINSON  SWOPE CONSTRUCTION

Name  Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE,
Wood furring is behind sheathing at metal panels above and below all storefront windows and doors around the building, to accentuate those panels. There is no furring behind sheathing at other locations.

Spectrum Design, 2/5/19
PREBID QUESTION FORM

(Use separate Form for each question submitted.)

Date: 2/5/19

Project: IMPROVE KENTLAND FACILITIES – BOVINE EXTENSION TEACHING & RESEARCH FACILITY (BETR)
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA
VA STATE PROJECT #: PC# 229-17830-000

The following question concerns Drawing Sheet (number) A321-BETR

- Does the 2" rigid foam insulation shown in section extend under the entire floor area or is it at perimeter only?

The following question concerns Specifications Section (number) _____, page _____, paragraph _____:


Question submitted by: PAT STINSON SWORE CONSTRUCTION

Name Organization

Bidders shall submit form to Jackie Mayrosh jmayrosh@spectrumpc.com and Sonya Guilliams sguilliams@spectrumpc.com

The deadline for submitting bidders questions is 10 calendar days prior to the bid submission deadline.

RESPONSE:
The 2" rigid insulation extends vertically down the inside face of the foundation to the top of the footing, and 4'-0" horizontally under the floor slab

Spectrum Design, 2/7/19