MEMORANDUM

TO: Dr. Michael K. Young
President, Texas A&M University

SUBJECT: CBE Recommendation: Crop Improvement Greenhouse Loading Dock

The Council for the Built Environment (CBE) received a request from the College of Agriculture and Life Sciences to enclose the current loading dock of the Crop Improvement (Borlaug) Greenhouse. The request and CBE Sub-Council’s reports are attached.

**Design Review Sub-Council (DRsc):** The DRsc members voted to recommend conceptual approval of the request to enclose the loading dock of the Crop Improvement (Borlaug) Greenhouse with the following caveats:

- Thoughtful and special attention be considered on the approach to infill in regards to material selection and connection to the existing structure.
- Further review of the design shall be presented to the DRsc at 100% Schematic Design and 100% Design Development in accordance with DRsc procedures.

**Technical Review Sub-Council (TRsc):** The TRsc supports the proposed request enclosing the current loading dock of the Crop Improvement (Borlaug) Greenhouse and recommends approval, provided the following issues/concerns are addressed and funded.

- Facilities Services
  SSC supports Agrilife's recommendation to enclose the current loading dock of the Crop Improvement (Borlaug) Greenhouse. In the design phase of the project, the project team will need to determine if it is more economical to utilize OX cooling or tie into the campus thermal loops.

  The project team should ensure that the facility is designed in accordance with all applicable laws, regulations and codes, including the Life Safety Code and the Americans with Disabilities Act. The design team needs to ensure that the project does not increase the rate of storm runoff into local creeks.

  The project team should ensure that the facility is designed to minimize, as much as practical, the effort needed for future maintenance. It is preferred that items requiring maintenance be easy to service, be easily accessible from ground or floor level, have generous clearances and be easy to isolate from energy sources with minimal impact to the rest of the facility. Elevated items requiring maintenance that are difficult to service by ladder or lift should have permanent
maintenance access platforms with permanent stairs or ladders, built-in fall prevention, and davits for hoisting parts and tools.

- Transportation Services
  Need to coordinate with Transportation Service during construction to minimize the impact on the parking spaces in the area.

The CBE voted to recommend the President's approval, with noted caveats, the request from the College of Agriculture and Life Sciences to enclose the current loading dock of the Crop Improvement (Borlaug) Greenhouse

Karan L. Watson  
Provost and Executive Vice President  
Co-Chair, Council for the Built Environment  
Date

Jerry R. Strawser  
Vice President for Finance and Administration  
Co-Chair, Council for the Built Environment  
Date

Concur or not concur with CBE’s recommendation:

Michael K. Young  
President  
Date

cc: Sub-Council Chairs, Council for the Built Environment
MEMORANDUM

To: Dr. Karan L. Watson, Provost and Executive Vice President for Academic Affairs  
   Co-Chair, Council on the Built Environment

Dr. Jerry R. Strawser, Vice President for Finance and Administration and CFO  
   Co-Chair, Council on the Built Environment

From: Dr. William A. Dugas  
   Associate Vice Chancellor for Agriculture and Life Sciences, Texas A&M University System  
   and Associate Dean, College of Agriculture and Life Sciences, Texas A&M University

Subject: Enclosing Loading Dock of Crop Improvement (Borlaug) Greenhouse

This memo is to seek a positive recommendation from CBE to proceed with enclosing the current loading dock of the Crop Improvement (Borlaug) Greenhouse (SCIG, Building Number 1512). The goal is to increase the amount of conditioned space for much-needed, new growth chambers (ca. 10 in this space) that will be used to support research and teaching programs of our college and of AgriLife Research. Funding for enclosing the space and new growth chambers will come from our sources. The enclosed space (ca. 1200 ft²) will be constructed with an exterior that will match the existing structure, and, when we have the information, we will seek approval from the campus architect about final finish details to maximize the consistency. See attached photos of the space to be enclosed. The existing functions within this space will be moved to a nearby, alternate location.

I would be happy to meet to answer any question or address concerns. Thank you for your consideration.

Attachment

xc: M. Hussey
MEMORANDUM

TO: Dr. Jerry Strawser
    Co-Chair, Council for the Built Environment

    Dr. Karan Watson
    Co-Chair, Council for the Built Environment

FROM: Ms. Lilia Gonzales, AIA
    University Architect and Chair, Design Review Sub-Council

DATE: June 5, 2015

RE: Design Review Sub-Council (DRsc) Report
    Enclosing Loading Dock of Crop Improvement (Borlaug) Greenhouse

On May 27, 2015 the Design Review sub-council (DRsc) reviewed a request to proceed with enclosing the current loading dock of the Crop Improvement (Borlaug) Greenhouse.

In order to support the research and teaching programs of the college, ten additional growth chambers are needed. The growth chambers must be in conditioned space. The request is proposing to enclose approximately 1,200 square feet of dock space to accommodate the new chambers. The design intent is to match the existing structure in terms of exterior materials and colors. This will include the use of split-face concrete masonry units and brick. Existing research materials within the loading dock will be moved to an area in close proximity to the building. Location and other details will be determined during the design process.

Recommendation
DRsc members voted to recommend conceptual approval of the request to enclose the loading dock of the Crop Improvement (Borlaug) Greenhouse with the following caveats:

- Thoughtful and special attention be considered on the approach to infill in regards to material selection and connection to the existing structure.
- Further review of the design shall be presented to the DRsc at 100% Schematic Design and 100% Design Development in accordance with DRsc procedures.

Please let me know if you need additional information.

cc: Dr. William A. Dugas
    DRsc Members
    Bettyann Zito
MEMORANDUM

TO: Dr. Karan Watson
   Co-chair, Council on the Built Environment

   Dr. Jerry Strawser
   Co-chair, Council on the Built Environment

FROM: Tom Reber
   Chair, CBE Technical Review Sub-council

DATE: June 12, 2015

SUBJECT: CBE TRsc Recommendation: Request for Enclosing Loading Dock of Crop Improvement (Borlaug) Greenhouse

On June 1, 2015, Mr. David DeLeon, Associate Agriculture Facilities Manager presented to the CBE’s Technical Review Sub-council on the proposed request for enclosing the current loading dock of the Crop Improvement (Borlaug) Greenhouse. The goal is to increase the space that will be used to support research and teaching programs for the college and AgriLife Research. The enclosed space (ca. 1200 ft²) is constructed with an exterior that will match the existing structure.

Recommendation
The Technical Review Sub-council supports the proposed request for enclosing the current loading dock of the Crop Improvement (Borlaug) Greenhouse and recommends approval, provided the following issues/concerns are addressed and funded.

Facilities Services:
SSC supports AgriLife’s recommendation to enclose the current loading dock of the Crop Improvement (Borlaug) Greenhouse. In the design phase of the project, the project team will need to determine if it is more economical to utilize DX cooling or tie into the campus thermal loops.

The project team should ensure that the facility is designed in accordance with all applicable laws, regulations and codes, including the Life Safety Code and the Americans with Disabilities Act. The design team needs to ensure that the project does not increase the rate of storm runoff into local creeks.
The project team should ensure that the facility is designed to minimize, as much as practical, the effort needed for future maintenance. It is preferred that items requiring maintenance be easy to service, be easily accessible from ground or floor level, have generous clearances and be easy to isolate from energy sources with minimal impact to the rest of the facility. Elevated items requiring maintenance that are difficult to service by ladder or lift should have permanent maintenance access platforms with permanent stairs or ladders, built-in fall prevention, and davits for hoisting parts and tools.

**Transportation Services:**
Please coordinate with Transportation Service during construction to minimize the impact on the parking spaces in the area.

**Capital Financial Planning, CIS, FCOR/GIS, EHS and SASE, Procurement, Telecommunications, Transportation Services, University Police, Utilities, Student Affairs**
No concerns.

Xc: CBE Technical Review Sub-council
CBE Support Staff
MEMORANDUM

To: Dr. Karan L. Watson, Provost and Executive Vice President for Academic Affairs
   Co-Chair, Council on the Built Environment
   Dr. Jerry R. Strawser, Vice President for Finance and Administration and CFO
   Co-Chair, Council on the Built Environment

From: Dr. William A. Dugas
       Associate Vice Chancellor for Agriculture and Life Sciences, Texas A&M University System
       and Associate Dean, College of Agriculture and Life Sciences, Texas A&M University

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