



October 14, 2016

Craig A. Miller Sr
Webster University
470 East Lockwood Ave
St. Louis, MO 63119-3194

Via Email

Re: Paric Corporation Project No. 15051
15051-Webster University Interdisciplinary Science Building
CP-043 - Factory Finish Opaque Doors ILO Field Finish

Dear Craig A. Miller Sr:

Paric Corporation proposes to complete the following additional work for the additive sum of Two Thousand One Hundred Eighty-Seven Dollars And Zero Cents \$2,187.00 .

This change will impact the scheduled completion date by 0 days.

- PCI-E-0039 (Factory Finish Opaque Wood Doors ILO Field Finish), Total \$ 2,187.00

The owner contingency will be utilized for this change proposal
Proposed Change Proposal Total: \$2,187.00

If this change proposal meets with your approval, please sign and return this proposal for our records by October 21, 2016 at the latest. If accepted this scope will be incorporated into a change order.

Sincerely,

Paric Corporation

Jason Szachnieski
Project Manager

Accepted:

Date: 10/18/2016
Craig A. Miller Sr
Webster University

Declined:

Date: _____
Craig A. Miller Sr
Webster University

Paric Corporation

PROJECT MANAGEMENT - CHANGE ITEM DETAIL REPORT

15051 - 15051-Webster University Interdisciplinary Science Building

Page: 1 of 1

Date: 14-OCT-16

Time: 02:35 PM

Status: EXT EXT

CI Type	CI Number	Description	Estimated Amount	Quoted Amount	Final Amount	Due to Owner	Notes	Date Sent	Date Received	Date Closed	Budgeted Amount	Billing Amount	Owner CO
EXT	PCI-E-0039	Factory Finish Opaque Wood Doors ILO Field Finish			2,187.00	14-OCT-16					2,187.00	2,187.00	
Vendor Name			Description										
	Paric Corp - Self Perform	15051	06200.001 S	Finish Carpentry Sub	3,570.00		Factory Finish Opaque Wood Doors ILO Field Finish				Factory finish wood doors scheduled to receive opaque finish per PSP COR#4 - Add \$3570		
		15051	06200.001 S		-1,485.00		Factory Finish Opaque Wood Doors ILO Field Finish				Omit field finish of opaque wood doors per Spectra email dated 10/13/16. Deduct \$1,485		
	PARIC	15051	23100.001 M	Risk Management (1.1%)	23.00		Factory Finish Opaque Wood Doors ILO Field Finish				Risk Management		
	PARIC	15051	23150.005 M	Contractor Default Insurance (1.25%)	26.00		Factory Finish Opaque Wood Doors ILO Field Finish				Contractor Default Insurance		
	PARIC	15051	23300.001 F	Fee (2.5%)	53.00		Factory Finish Opaque Wood Doors ILO Field Finish				Contractor Fee		
Total For EXT			0.00	0.00	2,187.00						2,187.00	2,187.00	
Grand Total:			0.00	0.00	2,187.00						2,187.00	2,187.00	

END OF REPORT

Report Parameters

Job:	15051	Project Code:	
From Change Order:		Run Date:	14-OCT-16
To Change Order:		Run Time:	02:35 PM
Status Code:		Operator:	JAS39SZA
Report Type:	DETAIL	Posting Status:	Unposted CI
Print Notes:	Y	Report Code:	PM5000
Group By:	STATUS		

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

081113-006

CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

081113

DRAWING / DETAIL REFERENCE

SPECIFICATION SECTION / PARAGRAPH

Negwer Door Systems

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples (____ copies) ☐ Record Documents ☒ Schedules
☐ LEED Submittal ☐ Product Data ☐ O&M Manuals
☐ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

Includes products from spec sections 081216 and 081416.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



To be completed by Reviewer

08 1113-006

CANNON DESIGN SUBMITTAL NUMBER

9/13/16

RECEIVED DATE

- ☐ A. No Exceptions Taken
No further review of submittal is required.
☒ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
☐ C. Revise and Resubmit
Revise as noted, and resubmit for review.
☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

09.16.16 -Partial review including:
page 5 - partial as noted
page 6,7 - full page
page 8 - door 160.D only
general pages 2,3,21,24,25,26 as noted

09.26.16 - 2ND PARTIAL REVIEW
pages 8-28 plus door 076 on page 5.

remaining to be checked: exterior doors on pages 4 and 5)

Lynn Grossman
Lynn Grossman

09.26.16
09.16.16

Joe Voypick
REVIEWED BY

9/12/16
DATE

REVIEWED BY

DATE



PARIC
EXPERIENCE. EXCELLENCE.

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No 15051-0219

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 09/12/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Door and Frame Schedule

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Schedule	☐ Separate Cover Via:	☐ Due Date:

Item	Package Code	Rev. Copies	Date	Description	Status
Submittal	081113-006	1	09/12/2016	Door and Frame Schedule	Submitted

NOTES:

CC:

Signed: _____
Devin Gates

Spec Sections
081113
081216
0841416
Door/Frame Schedule

Door & Frame Schedule

Distributed By:
Negwer Door Systems
49 Airport Road
St. Louis, MO 63135
Phone: (314) 522-0579
Fax: (314) 522-6659

FRAME PROFILES

RECORD OF SUBMITTALS		DOOR HANDING CHART		JOB NO.
SUBMITTED	RETURNED	  LH - Left Hand RH - Right Hand  = KEY SIDE   LHR - Left Hand Reverse RHR - Right Hand Reverse   Double Acting Double Egress		PROJECT WEBSTER ISB
1ST				LOCATION 8274 Big Bend Webster Groves, MO 63119-
2ND				ARCHITECT Cannon Design
3RD				CONTRACTOR Paric Corporation
4TH				FINISH HARDWARE BY Negwer Door Systems
RECEIVED APPROVED DRAWINGS				SHEET NO.
RECEIVED APPROVED HARDWARE				OF
DRAWN BY: Darryl Stith				

Material Schedule Notes

Project ID: JOB001775
Job Number:

WEBSTER ISB

- 1) ALL FSC MATERIALS ARE SUBJECT TO AVAILABILITY AT TIME OF ORDER AND MAY EXTEND LEAD TIME. FSC DESIRED PER SPEC. PLEASE ADVISE
- 2) CONSTRUCTION TAGS ONLY AVAILABLE FOR 45MIN. PAIRS OVER 8' WITH CONCEALED VERTICAL PANIC HARDWARE. (DOORS 160.1, C170) PLEASE ADVISE ABOUT ISSUES WITH THIS.
- 3) INPACT HARDWARE SPECIFIED FOR WOOD DOORS C170 NOT AVAILABLE FOR WOOD DOORS. HARDWARE WILL NEED TO BE CHANGED OR DOORS WILL NEED TO BE HOLLOW METAL. PLEASE INDICATE WHICH TO PROCEED WITH.
CHANGE DOOR TO HM
- 4) PLEASE PROVIDE CONTROL SAMPLE FOR WOOD DOOR 150. " MATCH STAIN OF EXISTING DOORS". WOOD DOOR MANUFACTURER WILL NEED CONTROL TO PROVIDE A MATCHING SAMPLE FOR APPROVAL.
PARIC - PLEASE PROVIDE SAMPLE MATCHING EXISTING EAB
- 5) ALL DOORS GOING INTO ALUMINUM FRAMES BY OTHERS WILL BE UNDERSIZED 1/4" IN WIDTH AND 3/4" IN HEIGHT. SIZES INDICATED ON DOOR SCHEDULE ARE NOMINAL. PLEASE VERIFY THIS TO BE TRUE.
PLEASE ADVISE
- 6) SLIDING DOORS WILL BE ORDERED FULL AND SQUARE PER SIZES INDICATED ON DOOR SCHEDULE UNLESS REQUESTED OTHERWISE.
- 7) ALL QUARTERSLICED WOOD DOORS WITH STAIN FINISH TO HAVE HORIZONTAL GRAIN.
CORRECT

WIDTH: DOOR PANELS TO BE 6" WIDER THAN OPENING ON
PLAN PER DETAIL AND KEYED REMARK.
HEIGHT: BOTTOM OF TRACK TO BE LEVEL W/ SOFFIT PER
DETAIL. DOOR PANEL SIZE TO ACCOMMODATE HANGERS AND
FLOOR FINISH TO MOVE SMOOTHLY

REVIEWED 09.16.16

LEGEND

Hollow Metal Frame

Anchor

EMAW	Existing Wall (Hole & Welded Anchor)
MS1	Metal Stud 4 3/4" to 6 3/4"
MS2	Metal Stud 6 7/8" to 8 3/4"
MT	Masonry T (Loose)

Construction

SUA-P	3-SIDED FRAME COMPLETE PROFILE WELD
-------	-------------------------------------

Elevation Type

3F	3-Sided Frame
TF	Transom Frame

Gauge

16	16 GAUGE
----	----------

Head Face

2"	2" HEAD FACE
----	--------------

Jamb Face

2"	2" JAMB FACE
----	--------------

Profile

F	FLUSH FRAME
---	-------------

Steel Type

A60	GALVANNEALED STEEL
CRS	COLD ROLLED STEEL

Hollow Metal Door

Edge

LF	FILLED EDGE
----	-------------

Gauge

18	18 GAUGE
----	----------

Series

LF	LF-SERIES
----	-----------

Steel Type

A60	GALVANNEALED STEEL
CRS	COLD ROLLED STEEL

Wood Door

Bevel

3/3	Bevel BOTH Stile Edges
-----	------------------------

Construction

PC-UFF	PARTICLEBOARD - NO ADDED UF
FSC-CW 45Min	FSC PB

Finish

TBD	To be Determined
-----	------------------

~~PR6~~ ~~Primed (6 Sides)~~

CST Custom Color

Label

PP90

Positive Pressure with (90 minute Intumescent Seal) Cat. A

PP45

Positive Pressure with (45 minute Intumescent Seal) Cat. A

Series

EWDD

EGGERS WOOD DOORS

Species

MDO

Medium Density Overlay

QSW

Oak-Quarter Sliced White - Contact Factory for Quote

ALL WOOD DOORS TO HAVE FACTORY FINISH PER SPECIFICATION
COLOR TO BE PROVIDED AT MDO / OPAQUE FINISHED DOORS

Szachnieski, Jason

From: Grossman, Lynn <lgrossman@CANNONDESIGN.COM>
Sent: Thursday, October 6, 2016 4:30 PM
To: Szachnieski, Jason; Craig A. Miller, Sr.; Patel, Kelvin
Cc: Gates, Devin
Subject: RE: Webster ISB - CP41 changes in Door and Hardware Schedule

The revised CP41 looks fine.

We are working with Allegion to identify the automatic openers and revised hardware for doors 277, 279 and 180 and 182. We hope to have an answer tomorrow.

Please note that doors 177 and 179 can proceed with the delayed action closers like the others in Hardware group 11. Cost-wise these two closers would transfer from 180 and 182.

Lynn Grossman, AIA

CANNONDESIGN

T 314.425.8729 • M 314.288.5257
cannondesign.com

From: Szachnieski, Jason [mailto:JRSzachnieski@paric.com]
Sent: Thursday, October 06, 2016 3:13 PM
To: Craig A. Miller, Sr. <craigmiller29@webster.edu>; Grossman, Lynn <lgrossman@CANNONDESIGN.COM>; Patel, Kelvin <kpatel@CANNONDESIGN.COM>
Cc: Gates, Devin <ddgates@paric.com>
Subject: RE: Webster ISB - CP41 changes in Door and Hardware Schedule

Craig and Lynn,

See responses below. Revised CP is attached. Could you please review and let me know by end of day tomorrow if this is acceptable? We need to release the door frames and accommodate the necessary hardware preps.

Thanks,
Jason

JASON SZACHNIESKI, PE, LEED® AP
SENIOR PROJECT MANAGER

Direct: 636-561-9608
Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM





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From: Craig A. Miller, Sr. [<mailto:craigmiller29@webster.edu>]
Sent: Tuesday, October 4, 2016 5:37 PM
To: 'Grossman, Lynn'; Szachnieski, Jason; 'Patel, Kelvin'
Cc: Gates, Devin
Subject: RE: Webster ISB - CP41 changes in Door and Hardware Schedule

Jason,

I look forward to your response to CannonDesign's comments re: CP 041.

CAM Sr.

From: Grossman, Lynn [<mailto:lgrossman@cannondesign.com>]
Sent: Tuesday, October 04, 2016 4:07 PM
To: Szachnieski, Jason <JRSzachnieski@paric.com>; Patel, Kelvin <kpatel@cannondesign.com>; Craig A. Miller, Sr. <craigmiller29@webster.edu>
Cc: Gates, Devin <ddgates@paric.com>
Subject: RE: Webster ISB - CP41 changes in Door and Hardware Schedule

Our comments

1. Door 140.1 – change door from alum/glass door to Wood Door. I don't see deduct for the alum and glass door. I noted on the cover of the CP that alum/glass door revisions would be reconciled in a separate CP. There were closers added to alum/glass door that were not scheduled to receive closers so there will be adds along with the deducts. We will submit the alum/glass package in +/- 2 weeks and once we have the comments we can submit a CP for any revisions (adds & deducts).
2. Door changes –
 - a. Door C170 – changing door from wood to HM – Increase of \$2400 seems high for this change. The vendor agreed and apologized, the revision is attached. When they priced these doors with the inset panic prep it included the hardware which was already included in the project.
3. Hardware Changes
 - a. Group 10 change coat hook to Mockett – increase is high compared to pricing on Mockett website \$24+/- This is the vendors cost and they can't do any better. This could be an OFCI item if preferred?
 - b. Provide deduct for removing Ives coat hooks from all Group 22 doors (76 doors +/-). Included in revised quote.

In addition: please provide a cost for factory finishing the opaque wood doors. Factory Finish should be per 081416 2.8.E. (this could be a separate cp)

Please include a deduct for field painting the doors. Yes, I will submit a separate CP for this once I have the pricing pulled together.

Lynn Grossman, AIA

CANNONDESIGN

T 314.425.8729 • M 314.288.5257
cannondesign.com

From: Szachnieski, Jason [<mailto:JRSzachnieski@paric.com>]

Sent: Tuesday, October 04, 2016 1:03 PM

To: Patel, Kelvin <kpatel@CANNONDESIGN.COM>; Grossman, Lynn <lgrossman@CANNONDESIGN.COM>; Craig A. Miller, Sr. <craigmiller29@webster.edu>

Cc: Gates, Devin <ddgates@paric.com>

Subject: Webster ISB - CP41 changes in Door and Hardware Schedule

Kelvin, Lynn and Craig,

See attached CP for revisions made to the door and hardware submittals. Please let me know if these are acceptable by 10/7 so that we can move forward with them.

Thanks,
Jason

JASON SZACHNIESKI, PE, LEED® AP
SENIOR PROJECT MANAGER

Direct: 636-561-9608
Main: 636-561-9500

77 Westport Plaza, Suite 250
St. Louis, MO 63146

PARIC.COM



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SECTION 081416 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid-core doors with wood-veneer and medium-density-overlay faces.
2. Shop priming and Factory finishing flush wood doors.
3. Factory fitting flush wood doors to frames and factory machining for hardware.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of door indicated. Include details of core and edge construction and trim for openings. Include factory-finishing specifications.

B. Sustainable Design Submittals:

1. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.
2. Chain-of-Custody Certificates: For certified wood products. Include statement of costs.
3. Chain-of-Custody Qualification Data: For manufacturer and vendor.
4. Product Data: For adhesives, indicating that product contains no urea formaldehyde.
5. Product Data: For composite wood products, indicating that product contains no urea formaldehyde.

C. Shop Drawings: Indicate location, size, and hand of each door; elevation of each kind of door; construction details not covered in Product Data; location and extent of hardware blocking; and other pertinent data.

1. Indicate dimensions and locations of mortises and holes for hardware.
2. Indicate dimensions and locations of cutouts.
3. Undercuts.
4. Indicate requirements for veneer matching.
5. Indicate doors to be factory finished and finish requirements.
6. Indicate fire-protection ratings for fire-rated doors.

D. Samples for Verification:

1. Factory finishes applied to actual door face materials, approximately 8 by 10 inches, for each material and finish. For each wood species and transparent finish, provide set of three samples showing typical range of color and grain to be expected in the finished work.
2. Frames for light openings, 6 inches long, for each material, type, and finish required.

1.3 INFORMATIONAL SUBMITTALS

A. Warranty: Sample of special warranty.

B. Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body.

**Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01**

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with requirements of referenced standard and manufacturer's written instructions.
- B. Package doors individually in plastic bags or cardboard cartons.
- C. Mark each door on bottom rail with opening number used on Shop Drawings.
- D. Store doors flat on level raised platforms in clean, dry, well ventilated area protected from sunlight and weather. Cover but allow for air circulation.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.
 - b. Telegraphing of core construction in face veneers exceeding 0.01 inch in a 3-inch span.
 - 2. Warranty shall also include installation and finishing that may be required due to repair or replacement of defective doors.
 - 3. Warranty Period for Solid-Core Interior Doors: Life of installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Algoma Hardwoods, Inc.
 - 2. Eggers Industries.
 - 3. Graham; an Assa Abloy Group company.
 - 4. Marshfield Door Systems, Inc.
 - 5. Oshkosh Architectural Door Company.

2.2 FLUSH WOOD DOORS, GENERAL

- A. Quality Standard: In addition to requirements specified, comply with AWI's, AWMAC's, and WI's "Architectural Woodwork Standards"
 - 1. Provide AWI Quality Certification Labels indicating that doors comply with requirements of grades specified.
- B. Regional Materials: Wood doors shall be manufactured within 500 miles of Project site from materials that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site.
- C. Certified Wood: Wood doors shall be certified as "FSC Pure" or "FSC Mixed Credit" according to FSC STD-01-00 and FSC STD-40-004.
- D. Adhesives: Do not use adhesives that contain urea formaldehyde.

**Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01**

- E. Composite Wood Products: Products shall be made without urea formaldehyde.
- F. Fire-Rated Wood Doors: Doors complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C.
 - 1. Oversize Fire-Rated Door Assemblies: For units exceeding sizes of tested assemblies, provide certification by a qualified testing agency that doors comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.
 - 2. Temperature-Rise Limit: Where indicated and at vertical exit enclosures and exit passageways, provide doors that have a maximum transmitted temperature end point of not more than 450 deg F above ambient after 30 minutes of standard fire-test exposure.
 - 3. Cores: Provide core specified or mineral core as needed to provide fire-protection rating indicated.
 - 4. Edge Construction: Provide edge construction with intumescent seals concealed by outer stile. Comply with specified requirements for exposed edges.
 - 5. Pairs: Provide fire-retardant stiles that are listed and labeled for applications indicated without formed-steel edges and astragals. Provide stiles with concealed intumescent seals. Comply with specified requirements for exposed edges.
- G. Smoke- and Draft-Control Door Assemblies: Listed and labeled for smoke and draft control, based on testing according to UL 1784.
- H. Particleboard-Core Doors:
 - 1. Particleboard: ANSI A208.1, Grade LD-1 or Grade LD-2 , made with binder containing no urea-formaldehyde resin.
 - 2. Blocking: Provide wood blocking in particleboard-core doors as needed to eliminate through-bolting hardware.
- I. Mineral-Core Doors:
 - 1. Core: Noncombustible mineral product complying with requirements of referenced quality standard and testing and inspecting agency for fire-protection rating indicated.
 - 2. Blocking: Provide composite blocking with improved screw-holding capability approved for use in doors of fire-protection ratings indicated as needed to eliminate through-bolting hardware.
 - 3. Edge Construction: At hinge stiles, provide laminated-edge construction with improved screw-holding capability and split resistance. Comply with specified requirements for exposed edges.
 - a. Screw-Holding Capability: 475 lbf per WDMA T.M.-10.

2.3 VENEERED-FACED DOORS FOR TRANSPARENT FINISH

- A. Interior Solid-Core Doors :
 - 1. Grade: Premium, with Grade A faces.
 - 2. Species: White oak.
 - 3. Cut: Quarter sliced, with grain running horizontally unless noted otherwise.
 - 4. Match between Veneer Leaves: Book match.
 - 5. Assembly of Veneer Leaves on Door Faces: Running match.
 - 6. Pair and Set Match: Provide for doors hung in same opening.
 - 7. Room Match: Match door faces within each separate room or area of building. Corridor-door faces do not need to match where they are separated by 20 feet or more.
 - 8. Room Match: Provide door faces of compatible color and grain within each separate room or area of building.
 - 9. Exposed Vertical and Top Edges: Same species as faces - edge Type A.

**Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01**

10. Stiles (and Tops): Provide 1-7/16 inch two-ply stiles (and tops) with minimum 1/4 inch solid lumber outer plies. Veneered edges will not be accepted. Wood to match veneer.
 11. Core: Particleboard.
 12. Construction: Five plies. Stiles and rails are bonded to core, then entire unit abrasive planed before veneering. Faces are bonded to core using a hot press.
- 2.4 DOORS FOR OPAQUE FINISH
- A. Interior Solid-Core Doors :
1. Grade: Custom.
 2. Faces: Medium-density overlay.
 - a. Apply medium-density overlay to standard-thickness, closed-grain, hardwood face veneers or directly to high-density hardboard crossbands.
 - b. Hardboard Faces: AHA A135.4, Class 1 (tempered) or Class 2 (standard).
 - c. MDF Faces: ANSI A208.2, Grade 150 or 160.
 3. Exposed Vertical and Top Edges: Any closed-grain hardwood.
 4. Core: Particleboard.
 5. Construction: Five plies. Stiles and rails are bonded to core, then entire unit abrasive planed before veneering. Faces are bonded to core using a hot press.
- 2.5 LOUVERS AND LIGHT FRAMES
- A. Wood Beads for Light Openings in Wood Doors: Provide manufacturer's standard wood beads as follows unless otherwise indicated.
1. Wood Species: Same species as door faces.
 2. Profile: Flush rectangular beads.
 3. At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips approved for such use.
- B. Wood-Veneered Beads for Light Openings in Fire-Rated Doors: Manufacturer's standard wood-veneered noncombustible beads matching veneer species of door faces and approved for use in doors of fire-protection rating indicated. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.
- 2.6 FABRICATION
- A. Factory fit doors to suit frame-opening sizes indicated. Comply with clearance requirements of referenced quality standard for fitting unless otherwise indicated.
1. Comply with requirements in NFPA 80 for fire-rated doors.
- B. Factory machine doors for hardware that is not surface applied, including drilling pilot holes for hinge screws and lock fronts. Locate hardware to comply with DHI-WDHS-3. Comply with final hardware schedules, door frame Shop Drawings, DHI A115-W series standards, and hardware templates.
1. Coordinate with hardware mortises in metal frames to verify dimensions and alignment before factory machining.
- C. Openings: Cut and trim openings through doors in factory.
1. Light Openings: Trim openings with moldings of material and profile indicated.
- 2.7 SHOP PRIMING
- A. Doors for Opaque Finish: Shop prime doors with one coat of wood primer specified in Division 09 Section "Interior Painting". Seal all four edges, edges of cutouts, and mortises with primer.

2.8 FACTORY FINISHING

- A. General: Comply with referenced quality standard for factory finishing. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing.
 - 1. Finish faces, all four edges, edges of cutouts, and mortises. Stains and fillers may be omitted on top and bottom edges, edges of cutouts, and mortises.
- B. Finish doors at factory that are indicated to receive transparent finish. Field finish doors indicated to receive opaque finish.
- C. All doors are to be finished as outlined below except Door 150 is to match the doors in the adjacent EAB.
- D. Transparent Finish:
 - 1. Grade: Premium.
 - 2. Finish: AWWI's, AWWMAC's, and WII's "Architectural Woodwork Standards" System 11, catalyzed polyurethane.
 - 3. Staining: As selected by Architect from manufacturer's full range.
 - 4. Effect: Semifilled finish, produced by applying an additional finish coat to partially fill the wood pores.
 - 5. Sheen: Satin.
- E. Opaque Finish:
 - 1. Grade: Custom.
 - 2. Finish: AWWI's, AWWMAC's, and WII's "Architectural Woodwork Standards" System 11, catalyzed polyurethane.
 - 3. Color: As selected by Architect from manufacturer's full range.
 - 4. Sheen: Satin.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine doors and installed door frames before hanging doors.
 - 1. Verify that frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with level heads and plumb jambs.
 - 2. Reject doors with defects.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Hardware: For installation, see Division 08 Section "Door Hardware."
- B. Installation Instructions: Install doors to comply with manufacturer's written instructions and the referenced quality standard, and as indicated.
 - 1. Install fire-rated doors in corresponding fire-rated frames according to NFPA 80.
 - 2. Install smoke- and draft-control doors according to NFPA 105.
- C. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.
- D. Factory-Finished Doors: Restore finish before installation if fitting or machining is required at Project site.

3.3 ADJUSTING

- A. Operation: Rehang or replace doors that do not swing or operate freely.

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Cannon Design Project No. 004561.01**

- B. Finished Doors: Replace doors that are damaged or that do not comply with requirements. Doors may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing.

END OF SECTION 081416

10/10/2016

27 doors per submittal
08113-026

$$\frac{\$3570}{27} = \$132.22/\text{ea}$$



49 Airport Rd.
St. Louis, MO 63135
314-522-0579

Date: 10/07/16

To: Paric
Attn: Matt Horton
Phone: 636 561-9841

Project: Webster ISB – Factory Painted Opaque wood doors
Location: St Louis Mo
Quoted By: Darryl Stith (Direct Line 314 595-4409)

We propose to furnish the following materials, delivery included and tax not included, for the above referenced project.

Add for factory painted opaque doors in lieu of primed.

Written authorization to proceed is required to place materials on order.

Total Price For Above Items:

ADD \$ 3,245.00

Conditions: Sales tax NOT included. Tax rate 9.113%. Payment terms, Net 30 days, pending credit approval. Quote is valid for 30 days. Material ONLY, no labor included.

Szachnieski, Jason

From: etspectra@gmail.com on behalf of Eric Toon <erictoon@spectrapainting.com>
Sent: Thursday, October 13, 2016 9:32 AM
To: Szachnieski, Jason
Subject: Re: Webster ISB wood door painting

There would be a credit for \$1,485.00 from Spectra if you decided to get them factory finished.

\$55/eqdn

Sincerely,

Eric Toon

**Project Manager
Spectra Painting Inc.
13573 St. Charles Rock Road
Bridgeton, Missouri 63044
Office 1-314-291-3120
Fax 1-314-291-2486
Cell 1-618-973-2483**

On Thu, Oct 13, 2016 at 6:56 AM, Szachnieski, Jason <JRSzachnieski@paric.com> wrote:

Morning Eric,

There are 27 wood doors that are coming out to the job primed that are scheduled to be field painted currently per the specs. What cost adjustment would it mean to you if we had these factory painted?

Thanks,
Jason

JASON SZACHNIESKI, PE, LEED® AP

SENIOR PROJECT MANAGER

Direct: 636-561-9608

Main: 636-561-9500