

SPECIFICATIONSSECTION 01010 - SUMMARY OF WORK

1. Page 01010-5: At 'Article 1.05', paragraph 'F', delete subparagraph '2' as written in its entirety and substitute the following subparagraphs "2", "3", and "4".
 - *2. Noise producing construction operations and procedures during the construction time period:
 - a. May 10, 2010, and June 14, 2010:
 - 1) Contractor will be allowed to perform noise producing work operations and procedures during this time period during normal contractor's work hours.
 - 2) Contractor shall verify the contractor's working hours, and the type of construction work operations to be performed with the Owner at the Pre-Construction Meeting and also prior to the beginning of the actual construction time period and prior to performing the work.
 - b. June 14, 2010, and August 3, 2010:
 - 1) Due to classes in session in Room PHYS 112 during this time period, Contractor 'WILL NOT' be allowed to perform noise producing work operations and procedures during the following times:
 - a) Mondays thru Thursday: 8:30 am thru 3:00 pm.
 - b) Fridays: 8:30 am thru 12:00 noon.
 - c. August 4, 2010:
 - 1) Final Exam will be taking place within the building during August 4, 2010.
 - 2) Owner will provide the Contractor with work restriction requirements at a later date, prior to August 4, 2010, once Owner has verified the Final Exam schedule.
 - d. May 31, 2010:
 - 1) No work will be permitted during this day. The university is closed this day.
 - e. July 5, 2010:
 - 1) No work will be permitted during this day. The university is closed this day."
 3. Contractor's work hours:
 - a. Contractor shall scheduled work between the hours of 6:00 AM and 5:00 PM.
 - 1) If Contractor desires to work other hours besides the 6:00 AM - 5:00 PM hours, such as starting at 4:00 AM in order to do noise producing operations, Contractor shall coordinate additional work hours or changes to work hours with Purdue Construction department and shall request such changes/additions to the work hours seven (7) days prior to the request change/addition. No changes or additions to the work schedule will be allowed without Purdue Construction department's written approval.
 - b. Contractor shall provide a minimum of seven (7) days notice to the Purdue Construction department before any work which may affect the user's use of the room and use's occupation of the room and adjacent areas.
 4. Noise producing operations:
 - a. Contractor's operations which produces noise, such as demolition, concrete coring for holes, installation of hangers in ceiling beams, and other noise producing operations, shall be only be performed during the construction time periods and times as stated above under paragraph '2'.
 - 1) Contractor may perform noise related work outside the restricted noise producing work hours as stated above, subject to coordination and approval by the Purdue Construction department and seven (7) prior notice."
2. Page 01010-5: At 'Article 1.05', delete paragraph 'G' as written in its entirety and substitute the following:
 - *G. Project Schedule:
 1. The following schedule is based upon information supplied by the Owner.
 - a. April 1, 2010:
 - 1) Owner receives Bids for Project.
 - b. April 15, 2010:
 - 1) On or about this date, Owner will award Contract or issue a letter of Notice of Award.
 - 2) Owner will schedule a pre-construction meeting after issue of Notice of Award.
 - c. May 10, 2010:
 - 1) Construction to begin at Project Site after Pre-Construction Meeting.
 - d. May 10, 2010, and June 14, 2010:
 - 1) Contractor will be allowed to perform noise producing work operations and procedures during this time period during construction working hours.
 - a) Contractor shall verify type of work operations to be performed and verify work hours with the Owner at the Pre-Construction Meeting and prior to the beginning of the actual construction time period and prior to performing the work.
 - 2) May 31, 2010:
 - a) No work will be permitted during this day. The university is closed this day.

- e. June 14, 2010, and August 3, 2010:
 - 1) Due to classes in session in Room PHYS 112 during this time period, Contractor will not be allowed to perform noise producing work operations and procedures during the following times:
 - a) Mondays thru Thursday: 8:30 am thru 3:00 pm (no noise producing operations allowed).
 - b) Fridays: 8:30 am thru 12:00 noon (no noise producing operations allowed).
 - 2) July 5, 2010:
 - a) No work will be permitted during this day. The university is closed this day.
- f. August 4, 2010:
 - 1) Final Exam will be taking place within the building during August 4, 2010.
 - 2) Owner will provide the Contractor with work restriction requirements at a later date, prior to August 4, 2010, once Owner has verified the Final Exam schedule.
- g. August 6, 2010:
 - 1) Project to be Substantial Completed.
- h. August 7, 2010:
 - 1) Liquidated damages for Project to begin."

SECTION 01500 - TEMPORARY REQUIREMENTS AND FACILITIES

- 1. Page 01500-4: At 'Article 2.03', paragraph 'D', subparagraph '1', at the third sentence, change the words which reads ".....to Room 144." to read as follows:
".....to Room 114."
- 2. Page 01500-4: At 'Article 2.03', paragraph 'D', subparagraph '2', add the following subparagraph to read as follows:
"a) This entrance is for workmen only. No material or equipment will be allowed through this entrance and along this route."

SECTION 06200 - FINISH CARPENTRY

- 1. Page 06200-1: At 'Article 1.02', paragraph 'B', delete subparagraph '2' as written in its entirety and substitute the following:
"2. New desks, new chairs, and new strip tables are by the Owner."
- 2. Page 06200-3: At 'Article 3.02', paragraph 'B', delete subparagraph '2' as written in its entirety and substitute the following:
"2. Trim material shall be 'Poplar' as specified herein."

SECTION 06410 - CUSTOM PHENOLIC PANEL CASEWORK FABRICATION

- 1. Page 06410-6: At 'Article 2.08', paragraph 'A', add a new subparagraph "3" to read as follows:
"3. This adhesive is for general construction adhesive use only, adhesive required for the phenolic panel and casework fabrication shall be as recommended and approved by the phenolic panel manufacturer."

SECTION 09840 - ACOUSTICAL WALL PANELS

- 1. Page 09840-2: At 'Article 2.01', paragraph 'A', subparagraph '2', subparagraph 'b', subparagraph '2)', add a new subparagraph "d)" to read as follows:
"d) Hardside Acoustical Wall Panel as manufactured by Kinetics Noise Control, Inc., 6300 Irelan Place, Dublin, OH 43017; Phone: 1-800-959-1229."
- 2. Page 09840-3: At 'Article 2.02', paragraph 'A', subparagraph '2', subparagraph 'b', subparagraph '2)', add a new subparagraph "d)" to read as follows:
"d) High Impact Hardside Acoustical Wall Panel as manufactured by Kinetics Noise Control, Inc., 6300 Irelan Place, Dublin, OH 43017; Phone: 1-800-959-1229."

SECTION 15055 - GENERAL LABORATORY PIPING AND EQUIPMENT REQUIREMENTS

- 1. Delete 'SECTION 15055 - GENERAL LABORATORY PIPING AND EQUIPMENT REQUIREMENTS', pages 15055-1 - 15055-2, as written in its entirety and substitute revised 'SECTION 15055 - GENERAL LABORATORY PIPING AND EQUIPMENT REQUIREMENTS', pages 15055-1 - 15055-2, Addendum No. 1, as written and attached to this Addendum.

DRAWINGSARCHITECTURAL DRAWINGSSHEET AD-111 - FIRST FLOOR DEMOLITION PLAN

1. At the 'KEYED DEMOLITION NOTES', delete note '#19' as written in its entirety and substitute revised note "#19" as follows:
 "19. CLEAN CONCRETE FLOORS AND RISER AS REQUIRED FOR NEW CONCRETE SEALER. REMOVE EXISTING FLOOR APPLIED SEAT #'S IN THEIR ENTIRETY."

SHEET A-111 - FIRST FLOOR PLAN

1. At the 'DOOR SCHEDULE', at door opening '1-2', under the 'JAMB' column and the 'HEAD' column, delete the number '1' as written in both location.
2. At the bottom of the sheet, delete the words '14/TYPICAL DOOR ELEVATIONS' and substitute the following:
 '15/TYPICAL DOOR ELEVATIONS'

SHEET A-401 - DETAILS

1. At elevation '2/BACK ELEVATION', make the following changes:
 - a. Delete the note which reads 'BALL TYPE VALVE FISHER HAMILTON 30L23100 (TYPICAL)' as written in its entirety and substitute the following note:
 "TURRET WITH SINGLE BALL VALVE, SERRATED HOSE NOZZLE, LEVER HANDLE AND 3/8" INLET SHANK, MODEL #980-WS909AGVCP BY CHICAGO FAUCETS."
2. At section '12/SECTION', make the following change:
 - a. Delete the 'FAUCET' note as written in its entirety and substitute the following:
 "FAUCET: Model #786-L3BVB-E7-204-CP w/ EX2 SUPPLY ARM AS MANUFACTURED BY CHICAGO FAUCET."

SHEET A-402 - INTERIOR ELEVATIONS

1. At elevation '2/NORTH ELEVATION', make the following changes:
 - a. At the reference detail '6/A-402', add the following note pointing to the curb at the new cast-in-place fill.
 "NO CURB REQUIRED AT NEW CAST-IN-PLACE FILL. REFER TO DETAIL '6/DETAIL' FOR CONSTRUCTION."

ELECTRICAL DRAWINGSSHEET E-211 - POWER FLOOR PLAN

1. Change the locations for the new receptacle shown referenced by 'PLAN NOTE #34' from the location shown to be located in the space under the existing stair landing shown in the Northeast corner of existing 'ROOM #114A - LECTURE STORAGE'.

TELECOMMUNICATIONS DRAWINGSSHEET T-211 - FIRST FLOOR SYSTEM PLAN

1. At the 'PLAN NOTES', add new 'PLAN NOTE #24' to read as follows:
 "24. ONE (1) 1" EMT CONDUIT FOR DATA CABLING FROM DEMONSTRATION TABLE IN SPACE BELOW PHYSICS 114. THIS CONDUIT SHALL BE INSTALLED BY PURDUE UNIVERSITY."
2. Delete the 2" conduit shown from the junction box referenced by 'PLAN NOTE #21' to each telecommunication data PIC shown in the demonstration table. Add one conduit from the junction box shown referenced by 'PLAN NOTE #21' to each data PIC in the demonstration table and add reference each added conduit with new 'PLAN NOTE #24'.

END OF ADDENDUM

Minutes of Meeting
Physics Building Room 114 Renovation - 2010
Project ID: 8370
Purdue University
West Lafayette, IN 47907
Comm No: 0918
March 17, 2010

| | | |
|----------------|--------------------|-----------------------------------|
| Those Present: | Margaret Danao | Purdue University |
| | Susan Hudson | Purdue University |
| | Tighe Lucy | Purdue University |
| | Douglas Felix | Purdue University |
| | Randy Schnepf | Purdue University |
| | Karen Loftus | Loftus Engineering |
| | Keith W. Schulthes | Scholer Corporation |
| | Joe Sprunger | The Sullivan Corporation |
| | Keith Kottkamp | County-Wide Electric |
| | Sandy Schelle | D.A. Dodd Inc. |
| | Jennifer McCaw | Shambaugh & Son L.P. |
| | John Meyer | Hagerman Construction Corporation |
| | Brad Overman | A to Z Sheet Metal |
| | Mike Kingery | Brenneco Fire Protection |
| | Jeff Mutzl | J.R. Kelly company Inc. |
| | Steve Knipp | J.C. Ripberger |

A voluntary pre-bid meeting was held at the project site for Physics Building Room 114 Renovation – 2010, Purdue University, West Lafayette Campus. Bids will be received by Purdue University on April 1, 2010.

The meeting was opened by Margaret Danao, Purdue's Project Manager for this project. Margaret reviewed contractor requirements, circulation through the building and project site, owner coordination requirements, limits of noise generating construction activities etc.

Architectural, Mechanical and electrical scope was discussed. The project includes selective demolition of Architectural finishes, projection booth, demonstration table, furnishings, mechanical plumbing and electrical systems. New work includes floor, ceiling and wall finishes; miscellaneous veneer plaster and plaster work; concrete handicapped seating area and new physics demonstration table. New electrical, mechanical and plumbing work includes lighting, extension of devices and equipment to accommodate the new lower ceiling and the installation of new services in the new demonstration table, including power outlets at various voltages, lighting controls, data, air and gas outlets. The project includes other specific work noted on the plans.

The project will include coordination with the owner provided and installed seating and strip tables

Purdue University is currently performing some of the required mechanical and electrical work in areas below the room. The contractor will generally pick up existing and new services at the floor and extend them as indicated on the plans.

Addendum # 1 will be issued March 23, 2010.

PRINCIPALS

Stephen K. Ford, AIA
Lee A. Cole, Jr., AIA
Steven J. Gloyeske, AIA
Thomas J. Yee, PE
Stephan E. Goffinet, AIA

ASSOCIATES

Dennis W. Andrews
Melvyn J. Biss
Lawrence F. Duell, Jr., AIA
Ryan L. Haynes, AIA
Tyler J. Heaston
Gerald R. Hicks, AIA
Jason L. Peterson
James E. Wilson, AIA



Minutes of Meeting
Physics Building Room 114 Renovation - 2010
Project ID: 8370
Purdue University
West Lafayette, IN 47907
March 17, 2010
Comm No: 0918

Specific questions and items discussed were:

1. Question asked who furnishes the sink, faucets located in the new demonstration table. The sink and faucets are provided under division 6 but are installed under Division 15. The architect will review this item and if necessary make corrections by addendum.
2. Question asked who furnishes the fixture stops and gas cocks for the demonstration table. The fixture stops and gas cocks are provided under division 6 but are installed under Division 15. Supply piping for these fixtures are provided and installed under division 15. The architect will review this item and if necessary make corrections by addendum.
3. A color schedule will be issued in addendum # 1.
4. Question asked if it will be acceptable to support new return ductwork from the existing plaster ceiling. Per Margaret Danao, supporting new ductwork from the existing plaster ceiling is acceptable.
5. Question asked if there are any new fire alarm devices. There is one existing fire alarm device that will remain and be maintained, as noted on the plans.
6. Question asked how is power routed to the new demonstration table? Existing conduit to the demonstration table will be reused, as noted on the plans.
7. The contractor will be required to remove the existing vinyl seat numbers from the concrete floor surface.

Please notify this office in writing of any omissions or additions to these minutes.

Minutes prepared by: Keith Schulthes, Scholer Corporation

ADVERTISEMENT FOR BIDS

The Trustees of Purdue University will receive sealed bids for the following projects until 3:00 p.m. Eastern Daylight Time (EDT) on Thursday, the 1st day of April 2010 in the Parking Facilities Office, Visitor Information Center, 504 Northwestern Ave., West Lafayette, IN 47907.

1. West Lafayette Campus – Brown Laboratory of Chemistry Foundation Drainage and Waterproofing – 2010
2. West Lafayette Campus – Cary Quad Transformer Vault and East Pedestrian Tunnels Waterproofing – 2010
3. West Lafayette Campus – Cherry Lane GPS Monument Relocation – 2010
4. West Lafayette Campus – Cherry Lane Weather Station Relocation – 2010
5. West Lafayette Campus – Heavy Equipment Storage Building and Salt Storage Building – 2010
6. West Lafayette Campus – Physics Room 114 Renovation – 2010

Bids will then be publicly opened and read aloud in the Conference Room of the Visitor Information Center, 504 Northwestern Avenue, West Lafayette, IN 47907.

Bids received after such time will be returned unopened. Bids may be withdrawn prior to such time, but no bids shall be withdrawn for a period of sixty (60) days thereafter. The Principal Subcontractor Questionnaire listing the names of the bidder's principal subcontractors shall be submitted with the bid. The remainder of the Questionnaires and Material Lists shall be submitted prior to 3:00 p.m. EDT on Thursday, the 8th day of April 2010 to:

Physical Facilities Construction Department
401 S. Grant Street
Purdue University
West Lafayette, IN 47907

Bids shall be for complete construction only, properly executed and submitted on Form 96, accompanied by executed Form 96A (as prescribed by the State Board of Accounts) giving financial data as recent as possible, and a Non-Collusion Affidavit together with other documents as required by the Instructions to Bidders and addressed to The Trustees of Purdue University, clearly marked with the project and the bid opening date.

Except for Project Nos. 3 and 4, each bid must be accompanied by the Contractor's written plan for a program to test the contractor's employees for drugs in accordance with IC 4-13-18.

Each bid must be accompanied by a Contractor's Combination Bid Bond and Bond for Construction in the form included in the specifications made payable to The Trustees of Purdue University in an amount equal to the maximum total of the base bid and any alternate bids, guaranteeing the execution and faithful performance of the contract for the work if awarded.

Wage rates shall be not less than the common construction wage as determined pursuant to IC 5-16-7-1 et seq., as amended.

The Instructions to Bidders contained in the specifications are by this reference made a part hereof, and all bidders shall be deemed advised of the provisions thereof, and of the General Conditions of the contract, specifications, plans and drawings for each project.

A voluntary pre-bid meeting for Project No. 1 will be held on March 15, 2010 at 10:00 a.m. EDT. The meeting will commence at the south entrance to the Brown Laboratory of Chemistry Building, located at 425 Central Drive, West Lafayette, Indiana.

A voluntary pre-bid meeting for Project No. 2 will be held on March 15, 2010 at 1:30 p.m. EDT. The meeting will commence at Cary Quad (Spitzer Court), located at 1016 W. Stadium Drive, West Lafayette, Indiana.

A voluntary pre-bid meeting for Project No. 5 will be held on March 16, 2010 at 10:00 a.m. EDT. The meeting will be held in Room 102 of the Utility Plant Office Facility, located at 403 Sheetz Street, West Lafayette, Indiana.

A voluntary pre-bid meeting for Project No. 6 will be held on March 17, 2010 at 10:00 a.m. EDT. The meeting will be held in Room 114 of the Physics Building, located at 525 Northwestern Avenue, West Lafayette, Indiana.

The architectural/engineering firms for these projects are:

- | | |
|----------------------|--|
| Project Nos. 1 and 2 | Arsee Engineers, Inc. 9715 Kincaid Drive, Suite 100 Fishers, IN 46037 Phone (317) 594-5152 Fax (317) 594-9590 |
| Project Nos. 3 and 4 | The Schneider Corporation 1330 Win Hentschel Blvd., Suite 100 West Lafayette, IN 47906 Phone (765) 448-6661 Fax (765) 448-6665 |
| Project No. 5 | CE Solutions, Inc. 10 Shoshone Dr. Suite 100 Carmel, IN 46032 Phone (317) 818-1912 Fax (317) 818-1911 |
| Project No. 6 | Scholer Corporation 111 Walter Scholer Drive P.O. Box 808 Lafayette, IN 47902 Phone (765) 474-1478 Fax (765) 474-3570 |

Bidding documents are to be obtained from:

Purdue University Printing Services
698 Ahlers Drive
West Lafayette, IN 47907
Phone 765-494-2006

To order a set of plans or obtain a bidder's list, please call 765-494-2006 or send e-mail to printingservices@purdue.edu. A \$300 deposit will be required for each hardcopy set of bidding documents. Applicable postage and a \$6.00 handling fee per set will be collected for those who wish to have the documents mailed to them. The deposit will be refunded when returned promptly and in good condition. One compact disk containing bidding documents in PDF format is available for pick up at no charge. A \$6.00 handling fee plus applicable postage will be collected for those who wish to have the compact disk mailed to them. No return of the compact disk is required. Checks should be made payable to Purdue University Printing Services and mailed to the above address.

Bidding documents for all projects are on file in the office of:

Vice President for Physical Facilities
401 S. Grant Street
Purdue University
West Lafayette, IN 47907
Phone 765-496-6700

The Board of Trustees of The Trustees of Purdue University reserves the right to reject any and all bids and to waive, to the extent permitted by law, any of the terms, conditions and provisions contained in this Advertisement for Bids or the Instructions to Bidders or any informality, irregularity or omission in any bid, provided that such waiver shall, in the discretion of the Board of Trustees, be to the advantage of The Trustees of Purdue University.

THE TRUSTEES OF PURDUE UNIVERSITY



Robert E. McMains
Vice President for Physical Facilities

Date: 2/17/10

Physics Building Room 114 - Renovation 2010
Purdue University
West Lafayette, Indiana
Project ID. 8370
Index No. – P-4

Color Schedule

Scholer Corporation
0918
March 23, 2010

General Notes

1. This color schedule is based on Contract Documents dated February 23, 2010 and in no way should be used as authorization to apply materials contrary to the Project Drawings, Specifications and Manufacturers Installation Recommendations. Any discrepancies between this color schedule and the Project Drawings and Specifications shall be called to the Architect's attention immediately.
2. See the Project Drawings for extent of finish materials.
3. See the Project Manual and Specification for technical product information and acceptable manufactures of products.

Flooring

| | | |
|-------------------------------|-------------|--|
| Rubber flooring | EPDM | Atmosphere – Discovery, TM929 Red Nebular |
| Sheet vinyl flooring | SV-1 | Marmoleum, Real, 2707, Barley |
| Vinyl base | V-1 | Johnsonite – 15, Cabernet |
| Concrete base (paint) | | Sherwin Williams - Match Johnsonite – 15, Cabernet |
| Vinyl transition strip | V | Johnsonite – 40 - Black B (typical) |
| Steps at entry | | |
| Treads | | Natural aluminum with black tread inserts |
| Rubber flooring | EPDM V-2 | Atmosphere – Discovery, TM929 Red Nebular Johnsonite – 40 - Black B (6" high) |
| Banker floor and risers | | Existing concrete grey with clear sealer |
| Existing floor grills (paint) | P-4 | Sherwin Williams – SW7039, Virtual Taupe |

Walls

| | | |
|----------------------------------|------|--|
| Paint | P-1 | Sherwin Williams – SW6114, Bagel |
| Phenolic wall panels | SP-1 | Trespa –Athlon – Interior W 78-01/QZ, Wild Cherry, Trespa Core - Black |
| Acoustical wall panels | AP | Conwed - |
| Panels | | Respond with "Half Bevel" edge |
| Fabric | | Guilford of Main, FR 701, 2100-403, Vanilla Neutral |
| Pencil sharpener mounting blocks | SP-4 | Trespa –Athlon – Interior PA-2/QZ, Patina Rusty Red, Trespa Core - Black |

| | | |
|----------------------------|-----|--|
| Door frames | P-4 | Sherwin Williams – SW7039, Virtual Taupe |
| Doors (1-3, 1-7' 1-8, 1-9) | P-5 | Sherwin Williams – SW7037, Balance Beige |
| Doors (1-1 and 1-2) | | Oak wood – Match existing corridor doors |

| | | |
|--------------------|--|-------|
| Electrical devices | | Ivory |
|--------------------|--|-------|

Ceiling

| | | |
|---------------------------|------|--|
| Acoustical ceiling system | SA-1 | Acoustical Material - Armstrong – School Zone Fine Fissured High Acoustic # 1713 (2x2) Suspension system, Prelude XL 2x2, exposed 15/16" System |
|---------------------------|------|--|

| | | |
|-------|-----|--|
| Paint | P-2 | Sherwin Williams – Sherwin Williams – SW7002, Downey |
|-------|-----|--|

Demonstration table

| | | |
|-------------------|------|---|
| Phenolic casework | SP-4 | Trespa, Athlon, Interior PA-2/QZ, Patina, Rusty Red, Trespa Core – Black |
|-------------------|------|---|

| | |
|------|--|
| Sp-2 | Trespa, Athlon, Interior C 0-09/QZ, Black Craquele, Trespa Core – Black |
|------|--|

| | |
|------|--|
| Sp-3 | Trespa, Athlon, Interior, E 0-09/QZ, Black, Trespa Core - Black |
|------|--|

| | | |
|------------|-----|---------------------------|
| Vinyl base | V-2 | Johnsonite – 40 - Black B |
|------------|-----|---------------------------|

| | | |
|------|--|--------------------------------------|
| Sink | | Just Manufacturing – Stainless Steel |
|------|--|--------------------------------------|

| | | |
|---------|--|--------------------------|
| Faucets | | Chicago Faucets – Chrome |
|---------|--|--------------------------|

| | | |
|--------------------|--|---------------|
| Electrical devices | | Front - Black |
|--------------------|--|---------------|

| | | |
|---|--|-------------------------|
| Stand-offs (at demonstration table front) | | Mocket – Satin Aluminum |
|---|--|-------------------------|

Other

| | | |
|-----------|--|-------------------------|
| Handrails | | Anodized satin aluminum |
|-----------|--|-------------------------|

Owner Furnished and Installed Items

| | | |
|-----------------------|-----|--|
| KI student desk/chair | | |
| Tops (LP) | | Wilsonarts – 4814, Tungsten EV |
| Pedestal Base | P-4 | Sherwin Williams – SW7039, Virtual Taupe |
| Seat | | KI - Black |

| | | |
|-----------------|-----|---|
| KI Strip Tables | | |
| Tops | LP | Wilsonarts – 4814, Tungsten EV |
| Modesty Panel | | Trespa, Athlon, Interior PA-2/QZ, Patina, Rusty Red, Trespa Core - Black |
| Pedestal Base | P-4 | Sherwin Williams – SW7039, Virtual Taupe |

| | | |
|-----------------------|-----|---|
| KI Handicapped Tables | | |
| Tops | LP | Wilsonarts – 4814, Tungsten EV |
| Modesty Panel | | Trespa, Athlon, Interior PA-2/QZ, Patina, Rusty Red, Trespa Core - Black |
| Pedestal Base | P-4 | Sherwin Williams – SW7039, Virtual Taupe |

SECTION 15055

GENERAL LABORATORY PIPING AND EQUIPMENT REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This section applies to all contractors performing work under Division 15.

1.3 DEFINITIONS

- A. Laboratory Equipment: Casework provided and specified as part of Section 06410 Custom Phenolic Panel Casework Fabrication.

1.4 GENERAL REQUIREMENTS

- A. Furnish and install laboratory equipment plumbing, piping, rough-ins, valves, fittings, traps, etc., and make plumbing connections to the laboratory equipment.
- B. Service outlets and faucets located in or on laboratory equipment shall be furnished as part of Division 6 work. Division 15 contractor shall install non electrical service outlets as shown on the Drawings and in accordance with the laboratory equipment shop drawings.
- C. Piping shall be provided in or on equipment in accordance with detail plans and shop drawings furnished as part of the laboratory equipment shop drawings.
- D. Division 6 contractor will furnish plumbing items and sinks, and will issue the plumbing items and sinks to the Division 15 contractor. Protect these items from damage until final completion of the project. Division 15 Contractor shall be responsible for costs required to repair or replace items lost or damaged after having been issued these items.
- E. Sinks, strainers, tailpieces, service outlets (air, etc.), cold water faucets, hot water faucets, mixing faucets, etc., shown or required on or in laboratory equipment will be furnished as part of Division 6, and installed by Division 15 contractor. Division 15 contractor shall furnish and install other plumbing items and material necessary to make a complete installation.
- F. Provide hangers and support piping from supports furnished by the laboratory equipment supplier in the equipment pipe chase or on wall mounted metal framing system equal to Unistrut. Division 15 contractor shall provide metal framing system, unless otherwise noted.
- G. Piping routed through laboratory casework shall be run undiminished in size unless otherwise indicated.
- H. Insulate piping as required in Division 15 Section "Mechanical Insulation".
- I. Waste, vent and traps shall be as specified in Division 15 Section "Sanitary and Vent Piping".

- J. The laboratory equipment supplier will furnish holes in table tops, shelves, curbs, etc., for piping.
- K. Refer to the architectural sheets for equipment locations, elevations, components, etc. provided and or furnished as part of Division 6.

1.5 REQUIREMENTS FOR LABORATORY SINKS:

- A. Division 15 Contractor shall install sinks and cup sinks that are not integral with countertop. Install sinks per laboratory equipment manufacturers installation instructions.
- B. Division 15 Contractor shall furnish and install sealant between countertop and epoxy resin sinks and cup sinks.
- C. Division 15 Contractor shall install sink outlets, strainers, tailpieces and overflows.
- D. Division 15 Contractor shall furnish and install loose key stops where required.
- E. Division 15 Contractor shall furnish and install P-traps for sinks. Sink outlets shall be 1-1/2" with strainers unless otherwise noted. Provide adapters and transition pieces as required to connect to tailpieces furnished by equipment supplier. Provide tailpieces for sinks not furnished with such.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION