

BID FORM
for
JOLIET JUNIOR COLLEGE, MFP PH2
Joliet, IL 60431
GILBANE JOB NO. 4764

BID RELEASE 19, BID PACKAGE 06I
General Trades Work
Natural Sciences Addition & Renovation
September 20, 2010

MANDATORY PRE-BID: September 27, 2010
TIME: 9:00 AM CST
LOCATION: Joliet Junior College
Building "K" – Theatre K1000
Last date for Bidder's questions is 10/06/10 by 2:00 PM

SUBMIT 1 ORIGINAL
AND 2 COPIES

PROPOSAL DUE DATE: October 19, 2010
TIME: 9:00 AM CST
BID OPENING LOCATION: Joliet Junior College
Building "T" - Room T1002

Joliet Junior College, Illinois Community College District No. 525
Office of Business and Auxiliary Services
1215 Houbolt Road
Room H1018
Joliet, Illinois 60431-8938
Attn: Judy Mitchell, Director of Business and Auxiliary Services

FORWARD
PROPOSAL TO

FIRM NAME:

_____, the undersigned.

- A. Proposes to furnish all labor, materials, equipment, and services as required to satisfactorily complete all **General Trades Work** herein described as **Bid Package No. 06I** as required for the construction and completion of the Natural Sciences Addition & Renovation Project in accordance with the Drawings and Specifications as prepared by Legat Architects and their Consultants, the Contract Documents, Project Manual Volumes 1, 2, 3 dated September 20, 2010, this Bid Form, and all documents incorporated by reference. It is expressly understood by the Bidder that each of the enumerated documents as set forth in this paragraph are incorporated by reference as part of the Bid Proposal.
- B. All work required by the foregoing documents will be accomplished for the Lump Sum Bid Price of

_____) (\$ _____)
(Show amount in both words and figures, in case of discrepancy amount shown in words will govern)

The Lump Sum Bid Price above EXCLUDES all applicable sales, consumer, use and other similar taxes for the project on the equipment and materials to be incorporated into the work (project is tax-exempt); INCLUDES all insurance premiums required to meet Schedule "A" - Insurance Specifications; and INCLUDES all premiums for Performance and Labor & Material Payment Bonds in the sum of one hundred ten percent of the Contract price.

- C. Bidder agrees that upon award of the contract by Joliet Junior College if written notice of the acceptance of this bid is mailed or delivered to the undersigned within sixty (60) days after the Proposal Due Date, or any time thereafter before it is withdrawn, the undersigned shall meet with representatives of Joliet Junior College and Gilbane Building Company at Joliet Junior College's office or at a mutually agreed upon location to execute the contract which is included as an Exhibit within this Project Manual. The Trade Contractor's contract will be held by and made with Joliet Junior College; Gilbane Building Company will be acting on the behalf of Joliet Junior College as their Construction Manager (agent). A Performance Bond and Labor & Material Payment Bond will be delivered to the Construction Manager at the time of execution of the Contract on the form contained within the Project Manual identifying Joliet Junior College and Gilbane Building Company as dual obligees. Failure to execute said contract within ten (10) days after receipt of written Notice to Proceed may be considered a default under the obligation of the bid bond. Insurance certificates shall be provided before starting on-site activities if such activities occur before the Contract is signed.

By submitting its bid, the Bidder hereby agrees that the Owner may, in its sole discretion, decide which combination of base bid plus alternates, (if any) would provide the Owner with the most efficient expenditure of the Owner's funds with respect to any particular Bidder. Owner's selection and determination of which combinations of base bid plus alternates (if any) would provide the most efficient expenditure of the Owner's funds shall form the basis of awarding the contract. By submitting its bid, Bidder further agrees that the sum total of the base bid plus alternates (if any) as so determined by the Owner separately for each Bidder shall be deemed to be such Bidder's bid for purposes of determining the lowest responsible Bidder for such portion of the work or for such bid package. Such determination by the Owner shall not be subject to challenge by the Bidder.

- D. The above price includes all stipulations and requirements of Supplement Numbers: _____, which have been received and accepted by the undersigned.

E. MILESTONE SCHEDULE DATES

See the Draft Milestone/Sequencing Schedule for reference. Dates and durations given are for reference only and are subject to change. Each awarded Trade Contractor, within 30 calendar days of being notified of their award, shall provide a CPM schedule (utilizing Primavera Project Planner or SureTrack software) to the Construction Manager defining scope of work items, items requiring fabrication, etc.; each with their respective anticipated start dates, end dates and durations. Trade Contractor is to identify any areas of potential conflict which may impact the Draft Milestone/Sequencing Schedule durations and/or milestones and/or prevent the Trade Contractor in meeting the expected start and finish dates identified in the Draft Milestone/Sequencing Schedule. All work is to be completed in accordance with the Draft Milestone/Sequencing Schedule Dates as follows:

Bid Release 19 - Milestone Schedule Dates (Estimated)

	Start	Finish
Bid Proposals Due		10/19/2010
Anticipated Dates for Bid Scope Review	10/20/2010	10/22/2010
Anticipated Date of Contract Award		11/9/2010
Anticipated Contract Issuance (Insurance, Bond, etc.)	11/9/2010	11/30/2010
Anticipated Preconstruction Meeting		11/24/2010
Anticipated Mobilization/Site Prep	12/1/2010	12/10/2010
Submittals/Review/Procurement (varies per trade)	12/1/2010	7/25/2011
Building 3D coordination (BIM)	12/30/2010	3/24/2011
Chilled Water Mains coordination	12/30/2010	1/20/2012
New Addition		
Start Construction, Site Prep/Excavation/Ftgs/Fndtns.	12/1/2010	TBD
Structural Steel/Decking Erection	TBD	TBD
EPDM Roofing	TBD	TBD
Building Enclosure (EIFS/Curtainwall/Mtl Pnls)	TBD	TBD
Interior Layout/Walls/HM Frames	TBD	TBD
MEP/FP rough-in (Below slab/In wall/Overhead)	TBD	TBD
Equipment Pads/AHUs/Boilers	TBD	TBD
Interior Equipment/Trim/Finish	TBD	TBD
Commissioning (Addition)	TBD	TBD
Substantial Completion - Addition		5/1/2012
Remodeling Existing		
Relocate Existing /Disconnect MEP/FP	5/15/2012	TBD
Abatement	TBD	TBD
Demolition	TBD	TBD
Interior Layout/Walls/HM Frames	TBD	TBD
MEP/FP rough-in (Below slab/In wall/Overhead)	TBD	TBD
Interior Equipment/Trim/Finish	TBD	TBD
Commissioning (Remodeling)	TBD	TBD
Substantial Completion - Remodeling		8/15/2012
Remodeling Existing E2006/E2007		
Relocate Existing /Disconnect MEP/FP	8/15/2012	TBD
Abatement	TBD	TBD
Demolition	TBD	TBD
MEP/FP rough-in (In wall/Overhead)	TBD	TBD
Interior Equipment/Trim/Finish	TBD	TBD
Commissioning (E2006/E2007)	TBD	TBD
Substantial Completion - E2006/E2007		9/15/2012

BP 06I General Trades Work

Additional Frame Type 'BL3', each	\$	/ea
Additional Frame Type 'A:BL1', each	\$	/ea
Additional Frame Type 'A:BL2', each	\$	/ea
Additional Frame Type 'A:A', each	\$	/ea
Additional Frame Type 'AT:AT1', each	\$	/ea
Additional Frame Type 'AT:AT2', each	\$	/ea
Additional Frame Type 'B:B1', each	\$	/ea
Additional Frame Type 'B:B2', each	\$	/ea
Additional Frame Type 'B:B3', each	\$	/ea
Additional Frame Type 'B:B4', each	\$	/ea
Additional Frame Type 'BT:BT1', each	\$	/ea
Additional Frame Type 'BT:BT2', each	\$	/ea
Additional Manual Roller Shades, each	\$	/ea
Additional EIFS including insulation, mesh, adhesive, supports etc, per sf based on 100 sf	\$	/sf
Additional cold formed metal framing only, per sf based on 100 sf	\$	/sf
Additional painting on Gypsum Wallboard, all coats, no vertical lift required, per sf based 200sf min	\$	/sf
Additional painting on CMU, all coats, no vertical lift device required, per sf based 200sf min	\$	/sf
Additional painting on Gypsum Wallboard, all coats, with vertical lift device required, per sf based 200sf min	\$	/sf
Additional painting on CMU, all coats, with vertical lift device required, per sf based 200sf min	\$	/sf
Additional custom digital wallcoverings, per sf	\$	/sf
Additional fabric wrapped acoustical panels, per sf	\$	/sf
Additional painting on exposed structural steel, all coats, per sf	\$	/sf
Additional painting on exposed ductwork/piping, all coats, per sf	\$	/sf
Additional 2' X 2' ACT ceiling complete with grid, per sf based on 100sf min	\$	/sf
Additional 4' X 4' ACT ceiling complete with grid, per sf based on 100sf min	\$	/sf
Additional Gypsum Board Ceiling, complete with stud frame & insulation, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S3AF, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S6AF, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S1(1) , per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type G2F , per sf based on 100sf min	\$	/sf

Additional Drywall Partition, Type S2SAF, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S4SAF, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S3(1) , per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S3AF(1), per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S8AF, per sf based on 100sf min	\$	/sf
Additional Drywall Partition, Type S3F, per sf based on 100sf min	\$	/sf
Additional Coat Hooks , set of 5	\$	/ea

I. ALTERNATE PRICES

An Alternate Price shall include all costs associated with the changes, omissions, additions or other adjustments to the Work of this Bid Package (Contract), which are described in the Alternate, or are reasonably inferable there from. Claims for extras resulting from changes caused by the acceptance or rejection of any Alternate will not be allowed. Alternate prices shall also include all costs of overhead, profit and bond costs associated with the work of the Alternate, whether additive or deductive.

The Drawings, Specifications and other Contract Documents shall be considered appropriately modified by either the acceptance or rejection of the various Alternates. The Owner and the Construction Manager expressly reserve the right to accept or reject any, or all, Alternate Prices, and in any sequence. If any combination of alternates is accepted, the classrooms identified must be completed within the time periods provided.

Alternates:
 N/A

J. COST ALLOWANCES

The Bidder includes the following Cost Allowances in the total Lump Sum Amount of the Base Bid for this Bid Package. See General Conditions for definition of Allowances.

The Trade Contractor must include the cost of the allowances in the Base Bid. The Base Bid cost of this package should include the appropriate mark-up on the allowances. All work completed under the allowance will be paid at cost since the mark-up is incorporated in the base bid. Trade Contractors are not entitled to any unspent balance.

BP 06I General Trades Work

Cost Allowances:

1	<p>General Cleanup Allowance: Notwithstanding the Trade Contractor's obligation for his own cleanup under the general conditions, include in the base bid a sum of \$75.00 for every 80 man-hours (or fraction thereof) actually expended on-site regardless of trade or labor classification. This cost will be used for cleanup of unidentifiable trash and debris as directed by the Construction Manager, and will be deducted from the Contract Sum periodically to pay for cleanup services. Trade Contractors are not entitled to any unspent balance. Costs for this scope of work item are over and above costs for cleanup required by the general conditions. This requirement does not eliminate this Trade Contractors responsibility for the daily clean up of his/her work efforts. The formula for this fee is as follows: $\frac{\text{Total Man hours}}{80} \times \\$75.00 = \\$ \text{CLEANUP FEE}$ Bidder to fill in: _____ man-hours</p>	<p>\$ _____ (Bidder to Fill In)</p>
2	<p>Miscellaneous Work Allowance: Miscellaneous work to be completed at the direction of the Construction Manager</p>	<p>\$40,000</p>
3	<p>Temporary Stair Allowance: Installation and maintenance of temporary stairs as directed by the construction manager.</p>	<p>\$20,000</p>
4	<p>Miscellaneous Safety Allowance: To complete maintenance of safety items above and beyond the requirements specified in the bid documents, through the duration of the project as directed by the Construction Manager</p>	<p>\$20,000</p>
5	<p>Dumpster Allowance</p>	<p>\$50,000</p>
6	<p>Additional Touch-up/ Patching Allowance: Miscellaneous touch-up and patching work above and beyond the requirements in the bid documents. Work under this allowance will be completed at the direction of the Construction Manager</p>	<p>\$15,000</p>
7	<p>Temporary Partitions Allowance: Miscellaneous temporary partition work above and beyond the requirements in the bid documents. Work under this allowance will be completed at the direction of the Construction Manager</p>	<p>\$20,000</p>
8	<p>Floor Protection Allowance: Miscellaneous floor protection work above and beyond the requirements in the bid documents. Work under this allowance will be completed at the direction of the Construction Manager</p>	<p>\$10,000</p>

K. COST AND QUANTITY BREAKDOWN

In order to properly evaluate the Proposal, provide the following information. The Scope of Work to be awarded will not be influenced by the cost and quantity information requested here. Do NOT include the cost of any alternates in base bid or in the following information. Cost and quantity breakdown shall include all related work to the subject category.

1. Cost Breakdown

Demolition	\$
Patching and Refinishing	\$
Rough Carpentry	\$
EIFS	\$
Masonry	\$
Drywall Partitions	\$
Insulation	\$
Hollow Metal Doors and Frames	\$
Wood Doors	\$
Door Hardware (for Contractor furnished & installed items)	\$
Door Hardware Installation (for Owner furnished items)	\$
Overhead Doors	\$
Acoustical Ceilings	\$
Painting – walls & ceilings	\$
Elastomeric Coatings	\$
Painting of exposed steel/ductwork/piping	\$
Custom Digital Wallcoverings	\$
Visual Display Surfaces	\$
Coat Hooks & Pencil Sharpeners	\$
Metal Toilet Partitions & Toilet Accessories	\$
Manual Blinds	\$
Fabric Wrapped Acoustic Panels	\$
Temporary Fire Extinguishers with wall brackets	\$
Painting Touch-up- 250 Man-Hour Allowance	\$
Entry floor mats and frames	\$
Display Case complete per details on A-504	\$
Expansion Joint Cover Assemblies	\$

Maintenance- 1000 Man-Hour Allowance	\$
Floor Protection (above and beyond the floor protection allowance)	\$
General Conditions	\$
Cleanup of Own Debris	\$
\$75/ 80MH of Clean-Up Allowance	\$
Allowances described above	\$ 175,000
Total bond cost	\$
Mobilization	\$
Shop Drawings & Submittals	\$
Miscellaneous not included above (define below)	\$
Total Bid (Total of all items above including the Allowances)	\$
Estimated total of On-Site Man-hours (required)	(Man-hours)

1. Quantity Breakdown

Item	Quantity	Material Cost	Installation Cost	Total Cost
Drywall Partitions		\$	\$	\$
Drywall Ceilings		\$	\$	\$
Acoustical Ceilings		\$	\$	\$
Insulation		\$	\$	\$
Fabric Wrapped Panels		\$	\$	\$
Painting of exposed steel/ MEP		\$	\$	\$
Interior Paint Walls		\$	\$	\$
Interior Paint Ceilings		\$	\$	\$
Blinds		\$	\$	\$
CMU		\$	\$	\$
Markerboards/ Tackboards		\$	\$	\$
Enclosed Tackboards		\$	\$	\$
EIFS		\$	\$	\$
Hollow Metal Doors		\$	\$	\$
Wood Doors		\$	\$	\$
Hollow Metal Frames		\$	\$	\$
Overhead Doors		\$	\$	\$

L. SCOPE OF WORK

1. Description of Work Included:

Except for those items (if any) specifically noted in the section below entitled "Work Excluded From This Bid Package", the work of this Bid Package shall INCLUDE, but is not necessarily limited to, all of the following:

- a. All items of work required by, and/or specified in, those sections of the Specifications which are listed herein under Section M SPECIFICATIONS – Specific Sections.
- b. All items of work related to the "Scope of Work", which are indicated in the Specifications which are listed herein under Section M SPECIFICATIONS – Related Sections.
- c. All items of work related to the "Scope of Work", which are shown on the Drawings listed herein under Section N CONTRACT DRAWINGS.
- d. The following "Specific Items to be Included" are related to those required by the above referenced documents and are to be provided under, and hereby form a part of, the Scope of Work of this Bid Package (Contract). Should any conflict exist between this written Scope of Work and any scope items implied by the above referenced documents, this Scope of Work shall govern.

SPECIFIC ITEMS TO BE INCLUDED

Perform complete "General Trades Work" and related work as required by and in accordance with the Conditions of Contract, Drawings, Specifications, and elaborations below. The Work shall include all labor, materials, equipment, and related items necessary to complete all of the work defined in the following specification sections, except for those noted exclusions or clarifications listed below.

In general, the following clarifies the scope of work to be included. It is intended for clarification and convenience only and is not intended to limit any portion of the scope of this bid package.

1. Provide all labor, materials, equipment and incidentals necessary to complete all General Trades Work in the listed specification sections, and as elaborated below as necessary for a complete installation.
2. Provide all demolition, removal, salvage & reinstallation as shown on the contract documents. This includes all flooring, walls, doors, frames, framing, drywall, casework, flooring, signage, ceilings, projectors & screens (salvage to owner), existing equipment (refer to contract documents for salvage requirements), etc., as shown on the contract documents. For equipment that require disconnects, the demolition work will be performed by the respective Plumbing, Mechanical and Electrical contractors. Removal and proper disposal will be required by this trade contractor.
3. Prior to demolition, carefully remove and store in a secure place, any equipment indicated on the drawings to be reused in the existing renovated portion of the building.
4. Provide any patching, leveling and finishing of the existing floor required due to the demolition work under this scope of work.
5. Provide complete all hollow metal frames and doors, wood doors, all related hardware, supports, fasteners and accessories. This includes interior and exterior (hollow metal) frames, doors, and hardware. This Trade Contractor is responsible for the Hardware shall be stored in a locked temporary

BP 06I General Trades Work

storage room with inventories kept of material stored and installed. This Trade Contractor is responsible to coordinate with the Construction Manager. Some of the door hardware will be furnished by the Owner (refer hardware specification section) for installation by this Trade Contractor. This Trade Contractor will be responsible to coordinate and receive/ uncrate/ store deliveries from the Owner's Hardware Vendor for all the Owner Furnished Hardware. All wood doors are to be provided pre-finished. Provide door undercuts as required by the mechanical and architectural drawings. The Glazing Contractor will provide and install glazing in doors and frames which are specified to be field finish. All pre-finished doors are to be factory glazed.

6. Furnish and install all access doors and panels as indicated on the drawings. Coordinate the location of the access doors and panels with the final location of the piping valves with the MEP/FP Trade Contractors.
7. Provide priming and painting of all hollow metal doors/ frames and access doors and panels.
8. Provide door hold open devices as specified, supply the electrical portion of the hold open devices to the Electrical Trade Contractor for installation, the non electrical portion of door hold open devices will be installed by this bid package, General Trades Contractor.
9. This Trade Contractor shall furnish and install all the doors, frames and hardware indicated on the Contract Documents. The Glass and Glazing Contractor will provide and install all hardware for the aluminum doors and entrances.
10. Furnish and install all motorized overhead coiling doors complete with all supports, fasteners, hardware, motors, fusible links and accessories. Furnish and install blocking or misc. metal necessary to support doors from structure. This Trade Contractor is responsible to coordinate all electrical work with the electrical contractor.
11. Provide all masonry work, including all concrete masonry units, expansion anchors, reinforcing, masonry ties, grout, incidentals, and accessories necessary for a complete installation of all masonry work shown on the contract documents. All lintels over openings shall be bond beams
12. Masonry walls are to be installed before hollow metal frames are delivered. This Trade Contractor will grout all hollow metal door frames prior to installation and expansion anchor as part of the base bid of this bid package. All bolt holes will be patched and prime painted by this trade contractor. Grout all door frames installed in drywall partitions. Install all door frames in a timely manner to coordinate with the work of others. Provide and remove frame stretchers as required.
13. Provide all exterior and interior insulation and Finish Systems and all Cold Formed Metal Framing work as indicated in the contract documents. Provide all exterior coating, framing, reinforcing mesh, specialty mesh, insulation board, adhesives, spray-applied weather barrier, exterior sheathing, tracks, supports, blocking, fasteners, and accessories required for a complete installation.
14. The work in this bid package includes all EIFS work as shown in the contract documents. This includes all EIFS patching shown on the contract documents. The work shall include all fasteners, base and finish coatings, sealants, prep work, gypsum board, batt insulation, insulation, meshes, starter track, metal flashing, etc., as required for a complete installation.
15. Perform and complete all interior & exterior gypsum board work (partitions, soffits, fascias, ceilings, shaft wall assemblies etc.), including all fire rated assemblies, metal stud framing, all gypsum board, wallboard, backing board, moisture resistant gypsum board, sheathing board, soffit board, cement board, insulation, framing components, joint treatments, and accessories. This trade contractor shall review all contract documents and include all required patch work and refinishing for items removed by this package as well as all other trades.

16. Provide complete acoustical ceilings, including all lay-in ceilings, gypsum ceilings, all acoustical tile ceiling panels, grid systems, hangers, supports, fascia clips, inserts, anchors, hold-down clips, closures, and other accessories for a complete installation.
17. Provide all supplemental framing and support for work supported or suspended from the work of this bid package, including fire extinguisher cabinets, etc. Provide all supplemental framing and support to bridge around interferences such as ductwork, equipment, etc., including trapeze hangers, and to support the work of others (light fixtures, grilles, diffusers, devices, etc.). This Trade Contractor must review the MEP drawings and include any costs for the supplemental framing and supports within the base bid.
18. Perform and complete all Fire Resistant, Moisture Resistant and High Impact Gypsum board work.
19. Provide all building insulation in soffits, partitions, stud framing and similar conditions.
20. This Trade Contractor is responsible for patching existing plaster ceiling at locations of any demolition work.
21. Provide all caulking, sealants, backing material and incidentals required in drywall work as detailed and specified, including all sealants where the drywall work abuts with other trades work. Caulk at perimeter of all hollow metal frames in drywall partitions. Provide all sound insulation and all acoustical sealant at all partitions and ceilings provided under this bid package. Provide all firesafing and firestop sealant at the top of all partitions, in deck flutes, and where the work of this package abuts other materials and as detailed and specified.
22. Provide complete the rated partition head conditions at all required locations per the drawings including framing, gypsum board, gypsum liner, steel straps, batt insulation, fire sealant and metal trim.
23. This Trade Contractor should assume that all perimeter and cut tiles will be installed prior to field tiles and in a separate sequence of work. Cut ceiling tile to accommodate the work of others. Provide ceiling tile for the use of other trades to install penetrating items and maintain the project schedule.
24. At the wall with metal panels the Metal Panel & Glazing Trade Contractor shall provide the board, sheathing and insulation. This Trade Contractor is responsible for providing board, sheathing and insulation at all other conditions as shown on the contract documents. This Trade Contractor is also responsible to make insulation and vapor barrier systems continuous and uninterrupted between this Trade Contractor's work and the glass/curtainwall systems per the contract documents.
25. Provide all sound insulation and all acoustical sealant at all partitions and ceilings provided under this bid package.
26. This trade contractor should assume that all steel to be painted or to receive a high performance coating will be un-primed and exposed to the elements for 9 months when determining surface preparation costs.
27. Provide all sealants and caulking as shown or where your work abuts the work of others.
28. Clean and prepare all surfaces to be painted as recommended by the specifications and coating manufacturers. Provide finish sanding as required to provide a suitable surface for painting and degloss any factory-applied primers as required to provide a suitable surface for painting. Provide all filler and spackle for irregularities and minor cracks.
29. Remove and reinstall all switch plates, escutcheons, hardware, and other trim pieces, apply protection and remove the same after completion of the painting work. Do not paint over any fire rating labels or equipment tags. Remove all factory-installed protection or tape over equipment and door/frame labels

- to expose labels after finish painting.
30. Provide plastic frame protectors on all hollow metal frames after the second finish coat is completed, until directed to remove the protectors by the Construction Manager. Touch-up all frames as required after removal of the protectors as part of the base bid.
 31. Provide control joints in walls and ceilings as detailed or as required by standard installation practices.
 32. Provide all layout as required for the work of this trade contractor.
 33. Perform interior drywall partition layout in advance of the installation of the partitions as required for the use of other trades. This additional mobilization will be only to install top track to structure to define interior partitions prior to the scheduled installation of overhead piping and ductwork in each area. This mobilization shall be included in the cost of the base bid.
 34. Include in your base bid an additional 250 man-hours for touch-up painting of walls, door frames, other painted surfaces, etc. due to unknown causes. Man-hours expended for this item of work shall be directed by the Construction Manager. Include the cost of material and labor for this touchup work in your base bid. Please note the labor and material required for this item of work shall not be used for this Contractor's punchlist items or work otherwise required in this bid package. Hours expended to be tracked on a Time & Material ticket. Unused hours will be deducted from the contract.
 35. Furnish and install 10 temporary fire extinguishers with wall brackets and proper signage to be used throughout the project. Fire extinguishers to be type A/B/C. Inspect monthly and recharge extinguishers as necessary until substantial completion of the project. Furnish and install stanchions to mount the extinguishers so they can be relocated as needed.
 36. Provide complete all interior and exterior painting, transparent finishes, and high performance coatings work as shown on the contract documents.
 37. Paint exposed structure/ ductwork/ piping as indicated in the contract documents including, but not limited to, structural steel, exposed column, exposed bent plates, stairs, exposed ductwork, the ceiling and MEP piping at the ceilings not receiving a finished ceiling, etc as shown on the contract documents.
 38. Paint all miscellaneous metals items including but not limited to stairs, railings, handrails, guardrails, etc as indicated on the contract documents. Do not include painting for any items specified with Stainless Steel finish.
 39. Furnish and install complete all custom digital wallcovering work as indicated on the bid documents.
 40. Protect all adjacent surfaces (inclusive of floors) from overspray, spills, etc. Second finish coat will be installed after ceiling installation as directed by the Construction Manager; this may require a separate mobilization. Painting Trade Contractor shall be required to cut-in the second finish coat around installed ceiling grid. This trade contractor is responsible to cut-in the second finish coat around installed ceiling grid and other finishes. Remove protection after completion of painting, as directed by the Construction Manager, and clean/repair all damaged areas as necessary and required. The Final Coat to be installed after all other finishes (ceilings, millwork, flooring, cabinets, MEP trim, etc) are completed.
 41. Provide complete elastomeric coatings as defined in the contract documents, including but not limited to fumehoods in Rooms # 2006 & 2007. Include all preparation, sanding, priming etc. as required for a complete installation.
 42. Furnish and install all Fabric Wrapped Panels (Acoustical Wall Systems) per the contract documents.

BP 06I General Trades Work

Provide all fasteners, miscellaneous supports, blocking, backing and joint sealants required.

43. Furnish and install all manual roller shades. Coordinate dimensions with the openings and provide all fasteners, miscellaneous supports, blocking, backing, track, nylon carriers, cords, accessories and joint sealants required.
44. Furnish and install all toilet compartments. Coordinate location of above-ceiling metal supports with the Miscellaneous Metals Contractor, who will be responsible for providing toilet compartment supports indicated on the design drawings. Provide any fasteners and supplemental supports required for a complete installation.
45. This Trade Contractor is responsible for the furnishing and installing of all toilet accessories, including mirrors in the toilet rooms. It is this Trade contractor's responsibility to coordinate the installation of the accessories by the proper trade jurisdiction.
46. Furnish and install complete entrance floor mats and frames. Coordinate dimensions and location of embedded items with the Concrete Contractor. Provide any leveling and finishing required for proper installation of this work.
47. Include installation of all the Fire Extinguisher Cabinets (furnished by the Fire Protection Trade Contractor). Coordinate dimensions and locations of Fire Extinguisher Cabinets with Fire Protection Trade Contractor for proper wall rough-in.
48. Furnish and install all lockers. Provide matching fillers, tops, closure panels, miscellaneous supports, blocking, backing and joint sealants required.
49. Include labor to cautiously remove the wall mounted donor plates in 'T' Building (at the JJC Campus). Include any patching, painting of the wall from which the plates have been removed, required to match the finishes to the adjacent walls. Mount these donor plates in the atrium of the Natural Science building, as shown in detail 1/A430. Provide any mounts, supports, blocking, anchors required to mount these donor plates at the new location. Coordinate with the Construction Manager for dismantling and installation requirements.
50. Installation, as well as the furnishing, of framed mirrors as scheduled for all toilet rooms shall be performed by this Trade Contractor.
51. Furnish and install all visual display surfaces including markerboards, tackboards, enclosed tackboards, tack strip etc. Provide all accessories, mounting brackets, blocking etc, required for a complete installation. Coordinate location of boards with the Electrical Work Contractor to ensure proper clearance with electrical outlets, light switches, projection screens, projectors and any other wall-mounted device.
52. Provide complete all interior wall and ceiling expansion joint systems including expansion joint covers. This includes all caulking, sealants, and compressible fillers as necessary.
53. Provide complete all caulking, sealants, compressible fillers for hollow metal frames, tops of all masonry partitions, all masonry control joints, all work of this Trade Contractor that abuts work of others. All fillers and sealants shall comply with the rating of the wall on which it is being used.
54. The General Trades Contractor to provide 15 temporary construction keyed cylinders to be installed as directed by the Construction Manager.
55. Furnish and install all coat hooks and pencil sharpeners per the contract documents.
56. Furnish and install all Finish Carpentry, Wood Veneer Paneling and Countertops work as shown on the Bid Documents.

57. Furnish and install complete display cases including but not limited to, cold formed metal framing, sheathing, MDF Board, plastic laminate, wood veneer, metal runner, gypsum board framing, F molds, display case door, stainless steel panels, prefabricated display case doors, etc., required for a complete installation. Refer to A-504 for details.
58. Furnish and install all miscellaneous rough carpentry including all blocking and bracing in walls, soffits or ceilings, sheathing as required per the contract documents. This includes all the wood blocking (in walls, soffits or ceilings) required for own work as well as work of other Trade Contractors, including but not limited to toilet accessories, markerboards/tackboards, wall mounted TV's, toilet partitions, hand rails and other equipment mounted from drywall partitions . It is the responsibility of this Trade Contractor to install all wood blocking required for casework attached to metal studs or drywall and to provide bracing and blocking as necessary to ensure the stability and integrity of the overall stud wall assemblies.
59. Coordinate blocking requirements with other Trade Contractors. Any required blocking, not coordinated in a timely manner prior to wallboard installation, shall be provided by this Trade Contractor and any costs for replacement or repair of wallboard resulting from the untimely coordination of blocking installation shall be the responsibility of this Trade Contractor. Glazing and Metal Panel Trade Contractor will be responsible for providing the sheathing substrate as required for the Metal Panel installation. All other sheathing (interior and exterior) will be the responsibility of the General Trade Contractor
60. The existing building (Mod A) has a post-tensioned concrete structure. This Trade Contractor will be responsible for providing and X-Ray scan and layout of the post-tensioned cables, for utilization for all cutting & coring work by all Trade Contractors . Use extreme caution while doing any cutting or coring work and coordinate the location of penetrations to completely avoid the post-tensioned cables. Written approval must be taken from the Construction Manager prior to any coring, drilling or floor cutting work.
61. Rooms E1001, E2006 and E2007 will be set up as temporary preparation areas for the Science Faculty while the other areas are being renovated. Renovation in rooms E2006 and E2007 will be done after work in all the other areas is complete and turned over to the owner for occupancy. Room E1001 does not call for any renovation and will remain 'as-is'. Provide any additional mobilizations that may be required to finish work in this sequence.
62. Provide all mockups as required in the quality plan and/or specifications. In addition to those mockups specified, provide constructability mock-up of an Anatomy & Physiology Lab – Room # E2012. Materials used for these mockups shall be permanent materials as specified for the project. Work in this mockup room will be out of sequence with the construction of the surrounding area and will be conjunction with mockup activities many trades at the same time. Coordinate this special mockup activity with the Construction Manager and other trade contractors. Upon mockup approval, remove and reinstall mockup materials and equipment as necessary to allow completion of adjacent construction as performed by this Contractor or by other trades.
63. The General Trades Contractor is to include 40- 1/4" x 4'-0" x 8'-0" sheets of masonite for floor protection in the base bid for the protection of existing flooring as directed by the construction manager. It is the General Trades Contractors responsibility to provide all labor material and maintenance for existing floor protection in all work areas and exit routes to dumpsters within remodeling work areas. Any additional material for floor protection beyond the 40 sheets of masonite provided in the base bid will come out of the floor protection allowance.
64. If determined necessary by the Construction Manager, any cast underlayment work for patching of the existing slab will come out of the Additional Touch-up/ Patching Allowance.

BP 06I General Trades Work

65. A perimeter cabling system will be furnished and installed by the Structural Steel Work Trade Contractor on each floor level, including the roof on the centerline of exterior columns. It is this Trade Contractors responsibility to completely remove perimeter cable system and toe boards, area by area, as directed by the Construction Manager. It shall be this Trade Contractors responsibility to provide labor to tighten and maintain the cable system as directed by the Construction Manager after the installing Trade Contractor has left the project. Similar to the perimeter cabling system, any interior openings larger than 48" will be installed by the Structural Steel Work Trade Contractor and shall be maintained and removed by the General Trades Work Trade Contractor.
66. Furnish and install toe boards at the building perimeters of every floor elevation and around all interior floor openings. The toe board system should be installed complete immediately following each slab concrete pour and in no case more than 24 hours from the pour completion. The toe board system should be constructed with screw fasteners so it can be easily removed and reinstalled, as needed, by trades working at the building perimeter. Care shall be taken to place fasteners so when removed, holes left by fastener will be covered by work of other trades. Remove system and dispose of at the direction of the Construction Manager.
67. Floor openings smaller than 48" in the smallest dimension will not have cable perimeter protection installed by others. Furnish and install wood handrails, midrails and toe boards on these openings immediately after deck installation and in no case more than 24 hours. Remove and dispose of the system as directed by the Construction Manager. Handrails, guardrails, mid-rails to be built to OSHA standards.
68. Furnish and install perimeter protection around changes in elevation, of 18 inches or more, at any floor level. Furnish and install temporary ramps, using OSHA approved scaffold plank, at these locations.
69. Furnish, install, maintain and remove temporary exterior doors at all building entrances for weather protection and lockable for security.
70. Include in your base bid an additional 1,000 man-hours for miscellaneous maintenance, repairs and light carpentry work as directed by the Construction Manager. Supply normal hand tools, brooms, sweeping compound, shovels, saw, drills, wheelbarrow, etc. Include the cost of the items noted above and labor for this misc maintenance work in your base bid. Please note the labor and material required for this item of work shall not be used for this Contractor's punchlist items or work otherwise required in this bid package. Man-hours expended for this item of work shall be directed by the Construction Manager. Hours expended to be tracked on a Time & Material ticket. Unused hours will be deducted from the contract
71. This Trade Contractor shall furnish for use by all trades, two trash gondolas for each floor with ability to pass through all door openings.
72. Provide a trash chute on each floor. A retractable safety device shall be mounted at each floor elevation for fall protection while loading in/out materials. Trash chute will be furnished, installed, maintained and removed by this Trade Contractor.
73. This contractor shall be responsible for providing a final cleaning of his or her work upon completion
74. Provide dumpsters for the use of all trades. The cost of these dumpsters will be deducted from the dumpster allowance.
75. Caution should be taken with all operations next to or over areas that are complete and/or immediately adjacent to existing entrances. Consult with the CM before starting operations in this area.
76. As may be related to the work of this bid package, this project intersects with an existing building. It is

this Trade Contractor's responsibility to field verifies any and all existing conditions prior to fabrication. Any rework, field adjustments, re-fabrication, dismantling and re-installation will be at this Trade Contractor's own expense.

GENERAL PROVISIONS

1. The word Trade Contractor and the word Subcontractor are used interchangeably in the documents. Therefore where the words Trade Contractor or Subcontractor are used in the document, it shall mean a Contractor having a contract with the Owner unless it is apparent by the content of the usage that the Subcontractor reference is assumed to be a Subcontractor to a Contractor having a contract with the Owner.
2. This trade contractor shall protect all adjacent areas of work. Remove protection after completion of work of this bid package and repair all damaged areas as necessary and required.
3. This Trade Contractor shall make arrangements with the Construction Manager for any storage provisions prior to mobilization. Outside storage must be coordinated with Gilbane. All areas disturbed by the action of the Trade Contractor shall be returned to their original condition at no additional expense to the owner.
4. Electronic Data and Documentation Submittal (e-Doc): Trade Contractors shall provide construction documentation in electronic documentation to support the Owner's computerized asset, maintenance, or space management systems for: Equipment tagging, Updated as-built drawings, Submittal of Construction Documents, Asset Data, etc. Updated monthly and all submittals shall be completed prior to substantial completion. Refer to Manual 1 for more information on e-Doc.
5. Should the Plans or Specifications disagree in themselves or with each other, the Trade Contractor shall provide the better quality or greater quantity of work and/or materials unless otherwise directed by written addendum to the contract.
6. Each Trade Contractor is required to provide and maintain covers for any openings/ penetrations resulting from their scope of work until permanent installation is complete.
7. This bid package is phased construction and occupancy and will require additional mobilizations. Addition (Mod B) will be finished first and turned over to the owner for occupancy. The renovation of the existing building (Mod A) will be done in the second phase. Review included milestone dates/schedule and include in the base bid appropriate number of mobilizations as required to complete the work.
8. This Trade Contractor shall review all means of building access and make provisions to ensure that equipment provided by this Bid Package will fit through permanent doorways and/or structure.
9. This Trade Contractor is cautioned that its work will control the schedule of some of the work of other Trade Contractors. The schedule for this package is not an independent activity that can be completed early without concurrence from other effected Trade Contractors. This provision shall be considered as a part of the cost of this Bid Package.
10. Each Trade Contractor shall field verify all existing conditions as required prior to commencing of work and shall make whatever modifications necessary to facilitate the installation of new work. Trade Contractor shall immediately notify the construction manager in writing of his findings, especially upon finding unsatisfactory conditions that may affect his work and the quality of the work of others.
11. Where the General Requirements or the Technical Specifications indicate that the Trade Contractor will be "directed by" or "as indicated or designated by" the Architect all such directions, indications

and/or designations etc., shall be through the Construction Manager. All work performed by a Trade Contractor as directed by or as indicated or designated by the Owner, its consultants or the Architect which has not been communicated to the Trade Contractor through the Construction Manager shall not be an added cost to the Trade Contractor's contract with Gilbane and may be subject to rework at the expense of the offending Trade Contractor or Trade Contractors.

12. All debris and materials demolished by this Trade Contractor shall be removed from the project site daily. Stockpiling of debris on the site will not be permitted. Dumpsters for the completion of this work shall be provided by the General Trades contractor. Please note for this project, Gilbane has adopted a policy to reduce the amount of construction waste being sent to landfills by 75%. To that end, the successful General Trades contractor will be required to provide documentation indicating that at least 75% of the entire construction waste shipped from this project has been recycled. This trade contractor will be required to comply with Gilbane's construction waste management plan which is included in the front ends.
13. Site Benchmarks will be provided by the owner (3). Each Trade Contractor is responsible for their own layout utilizing these benchmarks only.
14. Use of Elevator in the existing building is prohibited for use by any Trade Contractor.
15. Provide a "long lead" item listing for the following, but not limited to: equipment and materials, which are required for early order to meet the project schedule. Provide this as a separate document on company letterhead and include within two weeks of receiving the contract from Gilbane.
16. There will be limited storage and field office areas available on site. These areas may be available for short periods of time and office/storage locations will need to be relocated to accommodate construction activities. This Trade Contractor shall make arrangements with the Construction Manager for any office or storage provisions prior to mobilization. All site areas disturbed by the action of this Trade Contractor shall be returned to its original condition at no additional expense to the owner. Trade Contractor shall coordinate all staging and storage with the Construction Manager inclusive of but not limited to, trailers, tool sheds, storage areas, etc.
17. Securely cover and tie down all materials nightly or when high winds are forecast to prevent damage and wind-blown debris.
18. Coordinate with the Construction Manager the delivery, storage, crane pick points, and laydown areas for the material consistent with the Site Utilization Plans. All erection shall be from outside the building. No erection equipment such as cranes, derricks, etc. will be permitted within the building lines. Any access, erection, cribbing, pads, mats, ramps, etc. required for cranes, hoists, etc. shall be provided, maintained and removed by this Trade Contractor. This requirement will include all mats which may be required for equipment movement on-site under wet conditions or foul weather.
19. This Trade Contractor shall submit complete shop drawings for the Construction Manager and Architect's review prior to commencing work.
20. Any housekeeping pads incidental to this scope of work shall be included in the base bid.
21. All abatement of hazardous materials will be conducted by the owner. The Trade Contractor must notify the Construction Manager immediately about any suspect material.
22. The Trade Contractor's Project Manager shall be responsible to maintain an accurate record of deviation and changes in the work and reasons there of. The Construction Manager and Architect may elect to review the status of these documents on a monthly basis. Failure on the part of the Trade Contractor to maintain the As-Built Documents will be cause to reject the Trade Contractor's monthly

payment request in part or in total until the condition is corrected and the record documents are updated to reflect site conditions.

23. Trade Contractor shall immediately notify the Construction Manager in writing of his findings, especially upon finding unsatisfactory conditions that may affect his work and the quality of the work of others.
24. The campus is an extremely busy site. Traffic patterns can be very congested at times and parking lots can fill up quickly. Extreme caution should be used at all times when entering and exiting the site.
25. Each Trade Contractor shall coordinate their work with the works of other trades and with the Construction Manager.
26. The Owner has employed a testing agency for this project. This Trade Contractor shall conform to all testing requirements as identified within the Contract Documents. The Trade Contractor shall provide 48 hour notice to the Construction Manager prior to date testing agency needs to be on site to perform tests.
27. In addition to the requirements for safety defined in the Conditions of Contract and the Construction Manager's Safety Plan, the Trade Contractor shall submit within two weeks of Notice to Proceed a detailed safety plan defining it's intentions and procedures to be used on the project to comply with all requirements of OSHA and Project Safety Program, including work rules, fall protection, hoisting procedures, protection of other trades and finished materials, etc.
28. This Trade Contractor must include all costs necessary to address the requirements of the Safety and Project Quality Plan included in the Project Manual.
29. This Trade Contractor is required to fill out a Gilbane daily report and turn in to Gilbane on a daily basis.
30. This Trade Contractor shall be responsible for their cleanup and debris removal. Dumpsters for the general use of all trades shall be provided by the General Trades Contractor.
31. This project shall pursue a LEED certification with the United States Green Buildings Council (USGBC); see specifications for requirements and responsibilities of subcontractors
32. Each Trade Contractor shall submit a CPM schedule utilizing Primavera Project Planner or SureTrack software within 30 days after notice to proceed. This schedule shall include all construction activities of the Trade Contractor and shall abide by all the requirements indicated in the bid documents pertaining to Critical Path Method Scheduling. Monthly updates of the schedule are required to be submitted along with the monthly Application for Payment.
33. The Trade Contractor shall be required to enter the RFI's, Daily Work Reports and Submittals using i-Build (requires Internet Explorer 7 or higher and active X. no other software is required). The Project Manager and Superintendent will be required to attend a two (2) hour Computer training by Gilbane which will teach them how to use this program. Refer to Manual 1 for more information on i-Build.

The above listed items are not intended to be an all-inclusive listing of the specified Contract Scope of Work, but are merely to highlight the major items of work.

SPECIFIC ITEMS TO BE EXCLUDED

The following specific item(s) of work contained in the above referenced documents are EXCLUDED from the work of this Bid Package (Contract):

1. Sheathing substrate for Metal Panel System

2. Concrete Sealer
3. Painting of Stainless Steel

M. SPECIFICATIONS

The following Specifications, together with the Drawings and other related items of work as described herein, further define the Scope of Work of the Bid Package (Contract).

Specific Specification Sections

<u>Number</u>	<u>Title</u>	<u>Date</u>
<u>DIVISION 00-GENERAL REQUIREMENTS:</u>		
002200	Geotech Data	9/20/10
<u>DIVISION 01- PROJECT REQUIREMENTS:</u>		
010010	LEED Compliance	9/20/10
011000	Summary	9/20/10
013000	Administrative Requirements	9/20/10
013514	LEED Requirements	9/20/10
013514.01	LEED-NC 2009 Credit Summary	9/20/10
013515	LEED Certification Procedures	9/20/10
013516	LEED Submittal Forms	9/20/10
014000	Quality Requirements	9/20/10
015721	Indoor Air Quality Controls	9/20/10
015713	Temporary Erosion and Sediment Control	9/20/10
016000	Product Requirements	9/20/10
016116	Volatile Organic Compound (VOC) Content Restrictions	9/20/10
016116.01	Accessory Material VOC Content Certification Form	9/20/10
017000	Execution and Closeout Requirements	9/20/10
017800	Closeout Submittals	9/20/10
017820	O&M Manuals	9/20/10
018100	General Commissioning Requirements	9/20/10
018120	Commissioning Submittals	9/20/10
018140	Commissioning Project Close Out	9/20/10
018200	O&M Training	9/20/10
<u>DIVISION 02 -EXISTING</u>		
024100	Demolition	9/20/10
<u>DIVISION 03 -CONCRETE</u>		
035400	Cast Underlayment	9/20/10
<u>DIVISION 04 -MASONRY</u>		
040511	Masonry Mortaring and Grouting	9/20/10
042000	Unit Masonry	9/20/10
<u>DIVISION 05 -METALS</u>		
054000	Cold-Formed Metal Framing	9/20/10
<u>DIVISION 06 - WOODS, PLASTICS AND COMPOSITES:</u>		
061000	Rough Carpentry	9/20/10
062000	Finish Carpentry	9/20/10
064216	Wood Veneer Paneling	9/20/10
<u>DIVISION 07 - THERMAL AND MOISTURE PROTECTION:</u>		
072100	Thermal Insulation	9/20/10
072119	Foamed in Place Insulation	9/20/10
072400	Exterior Insulation And Finish Systems	9/20/10
072500	Weather Barriers	9/20/10
076200	Sheet Metal Flashing And Trim	9/20/10

BP 06I General Trades Work

078400	Firestopping	9/20/10
079005	Joint Sealers	9/20/10
079513	Expansion Joint Cover Assemblies	9/20/10
<u>DIVISION 08 – OPENINGS:</u>		
081113	Hollow Metal Doors And Frames	9/20/10
081416	Flush Wood Doors	9/20/10
083100	Access Doors And Panels	9/20/10
083323	Overhead Coiling Doors	9/20/10
087100	Door Hardware	9/20/10
<u>DIVISION 09 – FINISHES:</u>		
092116	Gypsum Board Assemblies	9/20/10
092216	Non-Structural Metal Framing	9/20/10
095100	Acoustical Ceilings	9/20/10
097200	Wall Coverings	9/20/10
098311	Acoustical Wall Systems	9/20/10
099000	Painting And Coating	9/20/10
099600	High-Performance Coatings	9/20/10
<u>DIVISION 10 – SPECIALTIES:</u>		
101101	Visual Display Boards	9/20/10
102113.13	Metal Toilet Compartments	9/20/10
102800	Toilet, Bath, And Laundry Accessories	9/20/10
104400	Fire Protection Specialties	9/20/10
105100	Lockers	9/20/10
<u>DIVISION 12 – FURNISHINGS:</u>		
122216	Drapery Track and Accessories	9/20/10
123600	Countertops	9/20/10
124813	Entrance Floor Mats	9/20/10
<u>DIVISION 31 – EARTHWORK:</u>		
312323.43	EPS Geofam	9/20/10

Related Specification Sections

<u>Number</u>	<u>Title</u>	<u>Date</u>
<u>DIVISION 03 -CONCRETE</u>		
031000	Concrete Formwork	9/20/10
032000	Concrete Reinforcement	9/20/10
033000	Cast-In-Place Concrete	9/20/10
<u>DIVISION 05 –METALS</u>		
051223	Structural Steel	9/20/10
052100	Steel Joists	9/20/10
053100	Steel Deck	9/20/10
055000	Metal Fabrications	9/20/10
055100	Metal Stairs	9/20/10
055213	Pipe and Tube Railings	9/20/10
<u>DIVISION 07 – THERMAL AND MOISTURE PROTECTION:</u>		
074214	Insulated Metal Wall Panels	9/20/10
074264	Metal Composite Material Wall Panels	9/20/10
075300	Single Ply Roofing – Fully Adhered EPDM	9/20/10
077200	Roof Accessories	9/20/10
<u>DIVISION 08 – OPENINGS:</u>		
081116	Aluminum Doors And Frames	9/20/10
084413	Glazed Aluminum Curtain Walls	9/20/10
088000	Glazing	9/20/10
<u>DIVISION 09 – FINISHES:</u>		

BP 06I General Trades Work

093000	Tiling	9/20/10
096500	Resilient Flooring	9/20/10
096700	Fluid-Applied Flooring	9/20/10
096813	Tile Carpeting	9/20/10

DIVISION 11 – EQUIPMENT:

115313	Laboratory Fume Hoods	9/20/10
116210	Laboratory Service Fixtures	9/20/10
116220	Laboratory Accessories	9/20/10

DIVISION 12 – FURNISHINGS:

123553	Laboratory Casework	9/20/10
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DIVISION 21 – FIRE SUPPRESSION:

210500	Basic Fire Suppression Requirements	9/20/10
210503	Through Penetration Firestopping	9/20/10
210529	Fire Suppression Supports and Anchors	9/20/10
210553	Fire Suppression Identification	9/20/10
211300	Fire Protection Systems	9/20/10

DIVISION 22 – PLUMBING:

220500	Basic Plumbing Requirements	9/20/10
220503	Through Penetration Firestopping	9/20/10
220505	Plumbing Demolition for Remodeling	9/20/10
220529	Plumbing Supports and Anchors	9/20/10
220548	Vibration Isolation	9/20/10
220553	Plumbing Identification	9/20/10
220719	Plumbing Piping Insulation	9/20/10
221000	Plumbing Piping	9/20/10
221030	Plumbing Specialties	9/20/10
221123	Domestic Water Pumps	9/20/10
223000	Plumbing Equipment	9/20/10
224000	Plumbing Fixtures	9/20/10

DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC):

230500	Basic HVAC Requirements	9/20/10
230503	Through Penetration Firestopping	9/20/10
230505	HVAC Demolition for Remodeling	9/20/10
230513	Motors	9/20/10
230529	HVAC Supports and Anchors	9/20/10
230548	Vibration Isolation	9/20/10
230553	HVAC Identification	9/20/10
230593	Testing, Adjusting and Balancing	9/20/10
230713	Ductwork Insulation	9/20/10
230716	HVAC Equipment Insulation	9/20/10
230719	HVAC Piping Insulation	9/20/10
230900	Controls	9/20/10
230913	Instrumentation	9/20/10
231500	Laboratory Utility Piping	9/20/10
232100	Hydronic Piping	9/20/10
232123	HVAC Pumps	9/20/10
232500	Chemical (Water) Treatment	9/20/10
233100	Ductwork	9/20/10
233300	Ductwork Accessories	9/20/10
233416	Centrifugal Fans	9/20/10
233423	Power Ventilators	9/20/10
233600	Air Terminal Units	9/20/10
233700	Air Inlets and Outlets	9/20/10
234000	Air Cleaning	9/20/10

BP 06I General Trades Work

235100	Breechings, Chimneys and Stacks	9/20/10
235216	Condensing Boilers	9/20/10
237323	Custom Air Handling Units	9/20/10
238200	Terminal Heat Transfer Units	9/20/10
238216	Air Coils	9/20/10
239970	Mechanical Systems Commissioning	9/20/10

DIVISION 26 – ELECTRICAL:

260500	Basic Electrical Requirements	9/20/10
260503	Through Penetration Firestopping	9/20/10
260505	Electrical Demolition for Remodeling	9/20/10
260513	Wire And Cable	9/20/10
260515	Medium Voltage Cable & Accessories	9/20/10
260526	Grounding and Bonding	9/20/10
260527	Supporting Devices	9/20/10
260531	Boxes	9/20/10
260533	Conduit	9/20/10
260535	Surface Raceways	9/20/10
260553	Electrical Identification	9/20/10
260913	Power Monitoring and Control	9/20/10
260933	Lighting Control Systems	9/20/10
261200	Distribution Transformers	9/20/10
262200	Dry Type Transformers	9/20/10
262416	Panelboards	9/20/10
262419	Motor Control	9/20/10
262726	Wiring Devices	9/20/10
262816	Disconnect Switches	9/20/10
262923	Variable Frequency Drives	9/20/10
263600	Transfer Switch	9/20/10
264300	Surge Protection Devices	9/20/10
265100	Lighting	9/20/10
269970	Electrical Systems Commissioning	9/20/10

DIVISION 27 – COMMUNICATIONS:

270500	Basic Communications Systems Requirements	9/20/10
270505	Technology Demolition for Remodeling	9/20/10
270526	Communications Grounding	9/20/10
270528	Interior Communication Pathways	9/20/10
270553	Identification and Administration	9/20/10
271100	Communication Equipment Rooms	9/20/10
271300	Backbone Cabling Requirements	9/20/10
271500	Horizontal Cabling Requirements	9/20/10
271710	Testing	9/20/10
271720	Support and Warranty	9/20/10
274100	Professional Audio/Video System	9/20/10
275313	Central Clock System	9/20/10

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY:

281300	Electronic Access Control	9/20/10
283100	Fire Alarm and Detection Systems	9/20/10

DIVISION 31 – EARTHWORK:

312300	Foundation Excavation and Backfilling	9/20/10
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DIVISION 32 – EXTERIOR IMPROVEMENTS:

321216	Asphalt Paving	9/20/10
321313	Concrete Paving	9/20/10
329200	Turf and Grasses	9/20/10

DIVISION 33 – UTILITIES:

331100	Water Utility Distribution Piping	9/20/10
333100	Sanitary Utility Sewerage Piping	9/20/10
334100	Storm Utility Drainage Piping	9/20/10
334913	Storm Drainage Inlets and Manholes, Frames and Covers	9/20/10

END OF TABLE OF CONTENTS

N. CONTRACT DRAWINGS

Drawing #	Title	Rev Date
<u>TITLE AND CODE</u>		
<u>GENERAL DRAWING LIST</u>		
G-001	Title Sheet	9/20/10
<u>CIVIL DRAWING LIST</u>		
C-1.02	Existing Conditions	9/20/10
C-1.03	Existing Conditions	9/20/10
C-2.02	Site Demolition Plan	9/20/10
C-3.02	Site Utility Plan	9/20/10
C-3.11	Site Grading Plan	9/20/10
C-3.22	Temporary Paving Plan	9/20/10
C-3.31	Site Geometry Plan	9/20/10
C-4.02	Construction Details	9/20/10
<u>STRUCTURAL DRAWING LIST</u>		
S-000	General Notes	9/20/10
S-101-A	Existing Foundation Plan - Module A	9/20/10
S-101-B	Foundation Plan - Module B	9/20/10
S-102-A	Existing Second Floor Framing Plan - Module A	9/20/10
S-102-B	Second Floor Framing Plan - Module B	9/20/10
S-103-A	Existing Roof Framing Plan - Module A	9/20/10
S-103-B	Roof Framing Plan - Module B	9/20/10
S-104-B	Penthouse Framing Plan	9/20/10
S-200	Foundation Details	9/20/10
S-201	Foundation Details	9/20/10
S-300	Steel Details	9/20/10
S-301	Steel Details	9/20/10
S-302	Steel Details	9/20/10
S-400	Joist Load Diagrams	9/20/10
<u>ARCHITECTURAL DRAWING LIST</u>		
AD-101	First Floor Demolition Plan	9/20/10
AD-102	Second Floor Demolition Plan	9/20/10
A-001	Code Information and Abbreviation Legend	9/20/10
A-002	Safety Reference Plans	9/20/10
A-101	Overall First Floor Plan	9/20/10
A-101-A	Partial First Floor Plan	9/20/10
A-101-B	Partial First Floor Plan	9/20/10
A-102	Overall Second Floor Plan	9/20/10
A-102-A	Partial Second Floor Plan	9/20/10
A-102-B	Partial Second Floor Plan	9/20/10
A-103	Mechanical Penthouse Plan	9/20/10
A-104	Roof Plan	9/20/10
A-200	Building Elevations	9/20/10
A-201	Building Elevations	9/20/10
A-202	Building Elevations	9/20/10

BP 06I General Trades Work

A-203	Building Elevations	9/20/10
A-204	Curtain Wall Elevations	9/20/10
A-300	Building Sections	9/20/10
A-301	Building Sections	9/20/10
A-310	Wall Sections	9/20/10
A-311	Wall Sections	9/20/10
A-312	Wall Sections	9/20/10
A-400	Enlarged Plans and Typical Mounting Heights	9/20/10
A-410	Stair Plans	9/20/10
A-411	Stair and Ramp Sections and Details	9/20/10
A-412	Stair and Ramp Sections and Details	9/20/10
A-430	Interior Elevations	9/20/10
A-500	Plan Details - Column Enclosures	9/20/10
A-501	Plan Details	9/20/10
A-502	Plan Details	9/20/10
A-503	Plan Details	9/20/10
A-504	Media Wall Details	9/20/10
A-510	Section Details	9/20/10
A-511	Section Details	9/20/10
A-512	Section Details	9/20/10
A-513	Section Details	9/20/10
A-514	Section Details	9/20/10
A-515	Section Details	9/20/10
A-516	Section Details	9/20/10
A-520	Typical Roof Details	9/20/10
A-521	Roof Details	9/20/10
A-522	Roof Details	9/20/10
A-523	Roof Details	9/20/10
A-524	Roof Details	9/20/10
A-525	Roof Details	9/20/10
A-600	Partition Types	9/20/10
A-601	Door Schedule / Door and Frame Types	9/20/10
A-701-A	Partial First Floor Finish Plan	9/20/10
A-701-B	Partial First Floor Finish Plan	9/20/10
A-702-A	Partial Second Floor Finish Plan	9/20/10
A-702-B	Partial Second Floor Finish Plan	9/20/10
A-801-A	Level 1 Mod A - Furniture Plan (for Reference Only)	9/20/10
A-801-B	Level 1 Mod B - Furniture Plan(for Reference Only)	9/20/10
A-802-A	Level 2 Mod A - Furniture Plan(for Reference Only)	9/20/10
A-802-B	Level 2 Mod B - Furniture Plan (for Reference Only)	9/20/10
AC-101-A	Partial First Floor Reflected Ceiling Plan - Module A	9/20/10
AC-101-B	Partial First Floor Reflected Ceiling Plan - Module B	9/20/10
AC-102-A	Partial Second Floor Reflected Ceiling Plan - Module A	9/20/10
AC-102-B	Partial Second Floor Reflected Ceiling Plan - Module B	9/20/10
<u>ARCHITECTURAL EQUIPMENT DRAWING LIST</u>		
AQ-401	First Floor Equipment Plans	9/20/10
AQ-402	First Floor Equipment Plans	9/20/10
AQ-403	First Floor Equipment Plans	9/20/10
AQ-404	Second Floor Equipment Plans	9/20/10
AQ-405	Second Floor Equipment Plans	9/20/10
AQ-406	Second Floor Equipment Plans	9/20/10
AQ-501	Lab Casework Details	9/20/10
AQ-502	Student Station Details	9/20/10
AQ-503	Lab Equipment Details	9/20/10

BP 06I General Trades Work

AQ-504	Fume Hood Information	9/20/10
AQ-505	Fume Hood Information	9/20/10
AQ-601	Lab Casework Types	9/20/10
AQ-602	Lab Equipment Schedules	9/20/10
AQ-603	Lab Equipment Schedules	9/20/10

FIRE PROTECTION DRAWING LIST

FP-101B	First Floor Plan - Mod B - Fire Protection	9/20/10
FP-102B	Second Floor Plan - Mod B - Fire Protection	9/20/10
FP-103	Penthouse Plan - Fire Protection	9/20/10
FP-201B	First Floor Plan - Mod B - Fire Protection Sprinkler Layout	9/20/10
FP-202B	Second Floor Plan - Mod B - Fire Protection Sprinkler Layout	9/20/10
FP -203	Penthouse Plan - Fire Protection Sprinkler Layout	9/20/10
FP-400	Fire Protection Schedules and Riser Diagram	9/20/10

PLUMBING DRAWING LIST

PD-100A	Underfloor Plan - Mod A - Plumbing Demolition	09/20/10
PD-101A	First Floor Plan - Mod A - Plumbing Demolition	09/20/10
PD-102A	Second Floor Plan - Mod A - Plumbing Demolition	09/20/10
P-100A	Underfloor Plan - Mod A - Plumbing	09/20/10
P-100B	Underfloor Plan - Mod B - Plumbing	09/20/10
P-101A	First Floor Plan - Mod A - Plumbing	09/20/10
P-101B	First Floor Plan - Mod B - Plumbing	09/20/10
P-102A	Second Floor Plan - Mod A - Plumbing	09/20/10
P-102B	Second Floor Plan - Mod B - Plumbing	09/20/10
P-103	Penthouse Plan - Plumbing	09/20/10
P-104	Roof Plan - Plumbing	09/20/10
P-200A	Under floor Plan - Mod A - Cutting and Patching Plan	09/20/10
P-400	Enlarged Plans - Plumbing	09/20/10
P-500	Plumbing Details	09/20/10
P-501	Plumbing Details	09/20/10
P-600	Plumbing Material List	09/20/10

MECHANICAL DRAWING LIST

MD-101A	First Floor Plan - Mod A - Mechanical Demolition	09/20/10
MD-102A	Second Floor Plan - Mod A - Mechanical Demolition	09/20/10
MD-200A	Underfloor Plan - Mod A - Lab Utility Piping Demolition	09/20/10
MD-201A	First Floor Plan - Mod A - Lab Utility Piping Demolition	09/20/10
MD-202A	Second Floor Plan - Mod A - Lab Utility Piping Demolition	09/20/10
M-100	Mechanical Site Plan	09/20/10
M-100B	Underfloor Plan - Mod B - Ventilation	09/20/10
M-101A	First Floor Plan - Mod A - Ventilation	09/20/10
M-101B	First Floor Plan - Mod B - Ventilation	09/20/10
M-102A	Second Floor Plan - Mod A - Ventilation	09/20/10
M-102B	Second Floor Plan - Mod B - Ventilation	09/20/10
M-103	Penthouse Plan - Ventilation	09/20/10
M-104	Roof Plan - Ventilation	09/20/10
M-201A	First Floor Plan - Mod A - Heating	09/20/10
M-201B	First Floor Plan - Mod B - Heating	09/20/10
M-202A	Second Floor Plan - Mod A - Heating	09/20/10
M-202B	Second Floor Plan - Mod B - Heating	09/20/10
M-203	Penthouse Plan - Heating	09/20/10
M-301A	First Floor Plan - Mod A - Lab Utility Piping	09/20/10
M-301B	First Floor Plan - Mod B - Lab Utility Piping	09/20/10
M-302A	Second Floor Plan - Mod A - Lab Utility Piping	09/20/10
M-302B	Second Floor Plan - Mod B - Lab Utility Piping	09/20/10

BP 06I General Trades Work

M-303	Roof Plan and Penthouse Plan - Lab Utility Piping	09/20/10
M-400	Campus Chilled Water Schematic Diagram	09/20/10
M-401	Heating Water Schematic Diagram	09/20/10
M-402	Cooling Water Schematic Diagram	09/20/10
M-403	Mechanical Control Diagrams	09/20/10
M-404	Mechanical Control Diagrams	09/20/10
M-405	Mechanical Control Diagrams	09/20/10
M-406	Mechanical Sections	09/20/10
M-500	Mechanical Details	09/20/10
M-501	Mechanical Details	09/20/10
M-502	Mechanical Details	09/20/10
M-600	Mechanical Schedules	09/20/10
M-601	Mechanical Schedules	09/20/10
M-602	Mechanical Schedules	09/20/10

ELECTRICAL DRAWING LIST

ED-100	Electrical Demolition Site Plan	09/20/10
ED-101A	First Floor Plan - Mod A - Lighting Demolition	09/20/10
ED-102A	Second Floor Plan - Mod A - Lighting Demolition	09/20/10
ED-201A	First Floor Plan - Mod A - Power Demolition	09/20/10
ED-202A	Second Floor Plan - Mod A - Power Demolition	09/20/10
ED-301A	First Floor Plan - Mod A - Systems Demolition	09/20/10
ED-302A	Second Floor Plan - Mod A - Systems Demolition	09/20/10
E-000	Electrical Cover Sheet	09/20/10
E-100	Electrical Site Plan	09/20/10
E-101A	First Floor Plan - Mod A – Lighting	09/20/10
E-101B	First Floor Plan - Mod B – Lighting	09/20/10
E-102A	Second Floor Plan - Mod A - Lighting	09/20/10
E-102B	Second Floor Plan - Mod B – Lighting	09/20/10
E-103	Penthouse Plan – Lighting	09/20/10
E-201A	First Floor Plan - Mod A – Power	09/20/10
E-201B	First Floor Plan - Mod B – Power	09/20/10
E-202A	Second Floor Plan - Mod A – Power	09/20/10
E-202B	Second Floor Plan - Mod B – Power	09/20/10
E-203	Penthouse Plan – Power	09/20/10
E-301A	First Floor Plan - Mod A - Systems	09/20/10
E-301B	First Floor Plan - Mod B – Systems	09/20/10
E-302A	Second Floor Plan - Mod A – Systems	09/20/10
E-302B	Second Floor Plan - Mod B – Systems	09/20/10
E-303	Penthouse Plan – Systems	09/20/10
E-400	Enlarged Plan – Electrical	09/20/10
E-401	Enlarged Plan – Electrical	09/20/10
E-410	Medium Voltage One Line Diagram – Electrical	09/20/10
E-411	One Line Diagram – Electrical	09/20/10
E-412	One Line Diagram – Electrical	09/20/10
E-413	One Line Diagram – Electrical	09/20/10
E-414	Emergency One Line Diagram – Electrical	09/20/10
E-500	Details – Electrical	09/20/10
E-501	Details – Electrical	09/20/10
E-502	Details – Electrical	09/20/10
E-503	Details – Electrical	09/20/10
E-600	Electrical Material List	09/20/10
E-700	Electrical Schedules	09/20/10
E-701	Electrical Schedules	09/20/10
E-702	Electrical Schedules	09/20/10

TELECOMMUNICATIONS DRAWING LIST

TD-101A	First Floor Plan - Mod A - Technology Demolition	09/20/10
TD-102A	Second Floor Plan - Mod A - Technology Demolition	09/20/10
T-000	Technology Cover Sheet	09/20/10
T-100	Technology Site Plan	09/20/10
T-101A	First Floor Plan - Mod A – Technology	09/20/10
T-101B	First Floor Plan - Mod B – Technology	09/20/10
T-102A	Second Floor Plan - Mod A – Technology	09/20/10
T-102B	Second Floor Plan - Mod B – Technology	09/20/10
T-103	Penthouse Plan – Technology	09/20/10
T-300	Enlarged Plans – Technology	09/20/10
T-400	Risers and Details – Technology	09/20/10
T-401	Risers and Details – Technology	09/20/10
T-500	Technology Material List	09/20/10

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 requires that all contractors bidding for public agencies in the State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. **FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.**

_____, as part of its bid for _____

certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

Firm Name: _____

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

[Contractors With 25 or More Employees]

**CERTIFICATE OF COMPLIANCE WITH
ILLINOIS DRUG-FREE WORKPLACE ACT**

_____, having 25 or more employees, does hereby certify pursuant to Section 3 of the *Illinois Drug-Free Workplace Act* (30 ILCS 580/3) that [he, she, it] shall provide a drug-free workplace for all employees engaged in the performance of work under the contract by complying with the requirements of the *Illinois Drug-Free Workplace Act* and, further certifies, that [he, she, it] is not ineligible for award of this contract by reason of debarment for a violation of the *Illinois Drug-Free Workplace Act*.

By Authorized Agent

Date

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than for legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

Name of Bidder: _____
Date: _____

(If an individual)
Signature of Bidder: _____

Business Address: _____

(Seal)

(If a Partnership)
Firm Name: _____

Business Address of all partners of the Firm:

(Seal)

(If a Corporation)
Name of Officers:
President: _____
Secretary: _____
Treasurer: _____
Attest: _____
Secretary

(Seal)

EXECUTE AND ATTACH TO PROPOSAL FORM

**CERTIFICATE REGARDING
SEXUAL HARASSMENT POLICY**

_____ [contractor], does hereby certify pursuant to Section 2-105 of the *Illinois Human Rights Act* (775 ILCS 5/2-105) that [he, she, it] has a written sexual harassment policy that includes, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment utilizing examples; (iv) an internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department of Human Rights and Human Rights Commission; (vi) directions on how to contact the Department of Human Rights and Human Rights Commission; and (vii) protection against retaliation.

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

CERTIFICATE REGARDING HUMAN RIGHTS ACT

Any company or organization to be awarded a contract for goods and/or services must be in compliance with the **Human Rights Act** and all rules and regulations thereunder. Our company has an Equal Employment Opportunity and Affirmative Action Program which complies with Executive Order 11246, the Vietnam Era Veterans' Readjustment Assistance Act of 1974 and the Rehabilitation Act of 1973.

YES _____ NO _____

CERTIFICATE REGARDING THE PREVAILING WAGE ACT

Our company certifies that it is eligible for bidding on public contracts, and has complied with section 11a of the Prevailing Wage Act, 820 ILCS 130/0.01-12(2000), and has not disregarded their obligations to employees under the Prevailing Wage Act on two (2) separate occasions, and that they, or any firm, corporation, partnership or association in which such contractors or subcontractors have an interest, are not prohibited from being awarded any contract or subcontract for a public works project. In addition, Joliet Junior College is requesting all Bidders/Awarded Trade Contractors to employ labor from a recognized apprenticeship training program as a condition of award.

YES _____ NO _____

CERTIFICATE REGARDING VALID BUSINESS LICENSE

Our company is eligible to do business in the State of Illinois and have submitted as part of this bid a valid business license and the Federal Employer Tax Identification Number (FEIN) or Social Security Number for individuals. Further, if applicable, our company will employ apprentices who are properly indentured into a Joint Apprenticeship Training Program which is registered and certified with the United States Department of Labor, Bureau of Apprenticeship and Training.

YES _____ NO _____

FEIN Number _____

By: _____
Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO PROPOSAL FORM

BIDDER INFORMATION FORM

Bidder Information Form is to be submitted with each Bid Form.

- 1) Total Bonding Capacity: \$ _____
Single Project Bonding Capacity: \$ _____
Work Currently Bonded: \$ _____
- 2) Work now under contract: \$ _____
Work in place last year: \$ _____
Average annual sales last 3 years: \$ _____
- 3) Current Experience Modification Rating (EMR): _____
- 4) Has firm ever failed to complete a contract: _____
- 5) Submit two (2) Owner or Architect/Engineer References:
 - a. Name: _____
Telephone Number: _____
 - b. Name: _____
Telephone Number: _____
- 6) Contractor Qualifications:
 - a. The Owner may require from any Bidder, prior to award of the contract, a detailed statement regarding the business organization, years in service, and the technical organization and plant of the Bidder that is available for the work contemplated.
 - b. The competency and responsibility of the bidders and of their proposed Subcontractors may be considered in making awards.

By _____

Authorized Agent of Contractor

Title

SUBSCRIBED AND SWORN TO before me
this _____ day of _____, 2010.

NOTARY PUBLIC

EXECUTE AND ATTACH TO BID FORM