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ARTICLE 1, WORK

The term "Work" means: (i) the furnishing and performance of all labor and materials by Subcontractor, at or for the benefit of the Project which is within the general scope of this Subcontract (as that term is defined in Exhibit B) and the Contract Documents (as that term is defined in Schedule 1), or which can be reasonably inferred from the general scope of this Subcontract or the Contract Documents; (ii) unless specifically expressly excepted, the furnishing by Subcontractor of all labor, material, equipment, supplies, plant, tools, scaffolding, hoisting, temporary facilities, transportation, superintendence, inspections and temporary construction of every nature; (iii) that which is to be produced and supplied pursuant to this Subcontract; and (iv) the obligation of Subcontractor to visit the Project site, and to fully acquaint and familiarize itself with the site, surrounding and sub-surface conditions and the character of the operations to be carried on at the site, and make such investigations as Subcontractor may deem fit or as may be prudent for Subcontractor to fully understand the facilities, physical conditions and restrictions attending the Work. All Work shall be completed strictly in accordance with the requirements of this Subcontract and the Contract Documents.

The Contract Documents are available for examination by Subcontractor at all reasonable times at the office of Bovis Lend Lease, Inc. (hereinafter "Construction Manager"). Subcontractor represents and agrees that it has carefully examined and understands the Contract Documents relevant to the Work; has adequately investigated the nature and conditions of the Project site and locality; has familiarized itself with conditions affecting the difficulty of the Work; and has entered into this Subcontract based on its own examination, investigation and evaluation and not in reliance upon any opinions or representations of Contractor or Construction Manager.

The Contract Documents are to be treated by Subcontractor as "scope" documents which indicate the general scope of the Work in terms of the architectural design concept, the overall dimensions, the type of structural, mechanical, electrical, utility, and other systems, and an outline of major architectural elements. As "scope" documents, the Contract Documents do not necessarily indicate or describe all items required for the full performance and proper completion of the Work. It is the intent of this Subcontract that Subcontractor is to furnish for the Price all items required for proper completion of the Work. Subsequently issued documents may more completely detail certain requirements of the Work, at the option of the Architect, for the purpose of further defining the Work, but there is no obligation to issue such additional documents.

As a part of its obligation to provide and perform the Work, Subcontractor recognizes its responsibility to furnish a competent and adequate staff and use its best skill and attention for the proper administration, coordination, supervision and superintendence of the Work; (i) organize the procurement of all materials and equipment so that they will be available at the time they are needed for the Work; (ii) keep an adequate force of skilled workers on the job to complete the Work in strict accordance with all requirements of the Contract Documents; (iii) maintain throughout the duration of the Work a competent superintendent and any necessary assistants, all of whom shall be acceptable to Contractor and shall not be changed without the consent of Contractor; (iv) enforce discipline and order among Subcontractor's employees and not to employ at the Project any

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unfit person or anyone not skilled in the task assigned; (v) provide supervision by experts in all aspects of the application of the materials, equipment or system being fabricated and installed; and (vi) submit to Contractor the names, responsibilities and titles of the principal members of Subcontractor's staff.

Subcontractor shall be bound to Contractor and Construction Manager by the terms and conditions of the Contract Documents, as the same shall be applicable to the Work and this Subcontract, and hereby assumes toward Contractor and Construction Manager all of the duties, obligations and responsibilities that Contractor and Construction Manager has by the Contract Documents assumed toward the PBC. Subject only to the terms of Article 27, nothing herein shall be construed to be a binding agreement to arbitrate any dispute arising hereunder, notwithstanding any provision to the contrary contained in the Contract Documents.

Subcontractor hereby irrevocably grants Contractor a license to use all shop drawings, designs, and deliverables provided by Subcontractor on the Project for Contractor's purposes on the Project. Such license extends, without limitation to all shop drawings, CAD drawings, submittals to governmental or quasi-governmental authorities, product approvals, fabrication processes and the like, which are in any way necessary or desirable for the performance of the Work ("Granted Licenses"). This Subcontract shall constitute conclusive evidence of the granting to Contractor of the Granted Licenses by Subcontractor.

ARTICLE 2, PRICE

Contractor shall pay to Subcontractor for the satisfactory performance and completion of the Work and performance of all the duties, obligations and responsibilities of Subcontractor under this Subcontract, the sum set forth above as the Price, subject only to additions and deductions as expressly provided in this Subcontract. To the extent that the Work is to be performed on a unit price basis, the Price shall be computed in accordance with the unit prices set forth in Exhibit D, based on actual quantities determined in accordance with the Contract Documents and this Subcontract. The Price and all unit prices shown in Exhibit D shall be deemed to include all costs of Subcontractor's performance of the Work as set forth in the Contract Documents, including, but not limited to, the costs of labor, supervision, services, materials, equipment, tools, scaffolds, hoisting, transportation, storage, insurance, taxes, and all overhead and profit.

ARTICLE 3, PROGRESS PAYMENTS

Within ten (10) days after the date of transmission of this Subcontract to Subcontractor, Subcontractor shall submit to Contractor for Contractor's approval a detailed schedule showing a proper cost breakdown (with a proper share of associated overhead and profit) of the Price according to the various line items, or parts, of the Work, for use only as a basis for verifying Subcontractor's applications for payment or supporting Contractor's applications for payments under the Contract Documents.

On or before each Monthly Billing Date, Subcontractor shall submit to Contractor, in such form and supported by such data (including bills of sale and applicable insurance) as Contractor may require, a progress payment application showing the value of the Work installed ("Completed Work"), plus the value of the material and equipment for incorporation in the Work suitably stored and insured (to the satisfaction of Contractor and

Architect) at the Project site or other approved location ("Stored Work"), as of such date if, and only if, the Contract Documents provide for payments to Contractor on that basis. Subcontractor shall also furnish to Contractor, with Subcontractor's first Application For Payment, a list of all companies, entities, and individuals supplying labor or materials for the performance of the Work ("Furnisher Information Schedule"). Such Furnisher Information Schedule shall be updated with every Application Contractor shall make progress payments to Subcontractor in accordance with Section 5.01(m) of the Contract from funds actually received from the PBC, and so long as all other conditions of payment are met under Article 5, below, and after deducting (a) all previous payments, (b) current retainage (meaning a reserve equal to the Retained Percentage times the allowed value of Completed Work and Stored Work, plus any additional reserve provided for herein) and (c) all charges or backcharges for services, materials, equipment, or other items furnished or otherwise chargeable to Subcontractor. Contractor shall review each Application for Payment together with such supporting documents as required under Article 5 of this Subcontract and as otherwise requested by PBC or Contractor. Contractor shall then approve, modify or reject, in whole or in part, such Application for Payment. Contractor reserves the right to advance the date of any payment (including final payment) due or to become due under this Subcontract if, in its sole judgment, it becomes desirable to do so.

Subcontractor shall not be entitled to any payment until this Subcontract has been properly executed and all documents and information to be furnished by Subcontractor have been supplied to Contractor.

ARTICLE 4, FINAL PAYMENT

A final payment, consisting of the unpaid balance of the Price, shall be made within thirty (30) days after the last of the following to occur: (a) satisfactory completion of the Work by Subcontractor, (b) unqualified acceptance thereof by the Architect and PBC, (c) full final payment by PBC to Contractor under the Contract Documents on account of the Work, (d) furnishing of evidence satisfactory to Contractor that there are no claims, obligations, or liens outstanding or unsatisfied for labor, services, materials, equipment, taxes, or other items performed, furnished or incurred in connection with the Work, (e) delivery of all guaranties, warranties, bonds, instruction manuals, performance charts, diagrams, as-built drawings and similar items required of Subcontractor or its suppliers or subcontractors and (f) delivery of a general release, in a form satisfactory to Contractor, executed by Subcontractor running to and in favor of Contractor and PBC, and such other parties as Contractor may require. To the fullest extent permitted by law, Contractor and/or Contractor's surety or sureties shall have no liability or responsibility for any amounts due or claimed to be due Subcontractor for any reason whatsoever except to the extent that Contractor has actually received funds from PBC specifically designated for disbursement to Subcontractor. Receipt of these funds by Contractor shall be an absolute condition precedent to Subcontractor's right to receive payment under the Contract Documents or any payment bond. In the event of any conflict between the Contract Documents, any payment bond and this provision, this provision shall govern. With regard to the foregoing, Subcontractor: (i) agrees that the Price shall be a non-recourse obligation; and (ii) waives Subcontractor's right to assert any claim, demand, right, or cause of action against Contractor and/or Contractor's

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surety or sureties for any portion of the Price (unless and to the extent that Contractor actually receives funds from the PBC attributable to the Work).

Acceptance by Subcontractor of Final Payment shall constitute a release of PBC and Contractor of and from all liability for all things done or not done or furnished or not furnished in connection with the Work, and for every act, omission, or neglect, if any, relating to or arising out of the Project. As a condition of final payment, Subcontractor shall also execute and deliver a general release to Contractor naming PBC and Contractor, said general release to be in such form as Contractor may provide.

ARTICLE 5, PAYMENT CONDITIONS

Subcontractor will receive the payments made by Contractor and Subcontractor will hold such payments as a trust fund to be applied first to the payment of laborers, suppliers, subcontractors and others responsible for the Work for which such payments are made, including sufficient funds so that all taxes and insurance applicable thereto are also paid. Subcontractor shall first apply all progress payments as trustee to satisfy all obligations Subcontractor has incurred due to the Work.

Subcontractor shall, as often as requested by Contractor, furnish such information, evidence and substantiation as Contractor may require with respect to the extent and value of current progress and the nature and extent of all obligations incurred by Subcontractor in connection with the Work and all payments made by Subcontractor on account thereof. Subcontractor shall also furnish, as required by Contractor in its sole discretion, such partial or final lien waivers or releases as Contractor deems necessary to ensure that Subcontractor has paid all persons furnishing any labor, material, or services in furtherance of any Work furnished hereunder. If required by Contractor, the furnishing of such lien waivers and releases shall be a condition precedent to any payment hereunder. Moreover, no prior failure of Contractor to require such releases and waivers shall limit Contractor's right to require them subsequently.

Contractor reserves the right to withhold, as an additional reserve and without limiting its other rights and remedies, an amount sufficient: (a) to defend, satisfy and discharge any asserted claim that Subcontractor (or anyone providing any of the Work hereunder) has failed to make payment for labor, services, materials, equipment, taxes, or other items or obligations furnished or incurred in connection with the Work or has caused damage to the Work or to any other work on the Project; (b) to complete the Work if it appears that funds remaining in the Subcontract, including retainage and exclusive of backcharges, are insufficient to complete the Work; (c) to reimburse Contractor for any backcharges incurred as a result of any act or omission by Subcontractor hereunder; (d) to protect Contractor from the possible consequences of any other breach or default by Subcontractor hereunder; or (e) to secure Contractor with respect to any breach or default by Subcontractor or its affiliates, parent company and subsidiaries under any other agreement.

Payment hereunder shall not be evidence of the proper performance or progress of the Work and no payment shall be construed to be acceptance of defective, faulty or improper work or materials. To the extent that payment is requested for any Work which requires the preparation of construction documents which are maintained on electronic media, no payment shall be due until delivery of the data for such construction documents in a format which is acceptable to Contractor.

Subcontractor shall at all times cooperate, in the course of its performance of the Work and of the Contract Documents, with any entity or entities providing financing for the Project and shall agree in writing to all changes and modifications to the Contract Documents which are requested by such entity or entities that do not impose any substantial additional burdens on Subcontractor or materially reduce or limit Subcontractor's rights. Subcontractor shall supply such information and certifications as reasonably may be required from time to time by the aforesaid entity or entities in order that PBC can satisfy conditions to entity's obligations to make payment to the PBC.

As an additional condition precedent to any payment (including, but not limited to, final payment) under this Subcontract, Subcontractor shall provide to Contractor on electronic media copies of all drawings, shop drawings, CAD documentation and discs, and other documents prepared by Subcontractor, or prepared at Subcontractor's direction, in connection with the performance of the Work, whether or not submitted to Contractor or PBC in connection with the Work.

ARTICLE 6, TIME

Time is of the essence in the Subcontractor's commencement, prosecution and construction of the Work. Therefore, Subcontractor shall be liable for all direct and consequential damages arising out of Subcontractor's breach of this Subcontract. Subcontractor shall: (a) submit to Contractor within ten (10) days of the date of transmission of this Subcontract to Subcontractor a detailed, proposed schedule for the Work for Contractor's use in preparing an overall progress schedule for the entire Work and its several parts under the Contract Documents; (b) begin the Work promptly upon Contractor's order to do so; (c) coordinate and perform the Work, and its several parts, diligently and promptly and in such order and sequence as Contractor may from time to time direct and as will assure its efficient and timely prosecution and will not delay completion of the entire Work and its several parts under the Contract Documents; and (d) furnish at all times sufficient, qualified and competent forces and supervision, and adequate, conforming and usable materials, equipment, plants, tools and other necessary things, to achieve progress according to Contractor's current progress schedule, including any specific schedule for Subcontractor's Work attached hereto as Schedule 2, and any revisions thereof by Contractor

Without limiting the generality of the foregoing and in recognition of the completion dates contained herein and in the Contract Documents, Subcontractor shall: (a) submit, with its proposed schedule, information showing the time required to prepare and approve shop drawings, to fabricate and deliver materials and equipment, and to install the Work, (b) order (for manufacture or purchase and delivery) all materials required for performance of the Work as soon as possible in order to avoid delays caused by strikes, transportation or unavailability; (c) furnish Contractor within thirty (30) days a list of major materials and equipment required for the Work, showing the name(s), address(es) and telephone number(s) of the supplier(s) and the date(s) on which such material and equipment is expected to be delivered to the Project site; (d) furnish Contractor, upon issuance, a copy of each major purchase order and subcontract (with price information deleted); (e) cause a qualified home office supervisory representative (while Subcontractor has forces at the Project site and for two weeks prior thereto) to attend weekly progress meetings; and (f) notify Contractor immediately by tele-

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phone and confirm in writing within seventy-two (72) hours, if Subcontractor finds that any item cannot be delivered as required to maintain Contractor's progress schedule. Subcontractor also agrees to be bound by such modifications to the Project schedule as are discussed at the weekly job progress meetings and are contained in the minutes of those meetings unless written objection is delivered in writing by Subcontractor within forty-eight (48) hours of the occurrence of such meeting.

The Work shall be performed during regular working hours except that, in the event of emergency or when necessary to perform the Work in accordance with the requirements of Article 6 of this Subcontract, Work shall be performed at Subcontractor's cost and expense (including Contractor's stand-by and other general conditions costs) on night shifts, overtime, Saturdays, Sundays, holidays and at other times, if permission to do so has been obtained in writing from Contractor. Without limiting the requirements of the preceding sentence, if the progress of the Work or of the Project has been delayed by any fault, neglect, act, or failure to act of Subcontractor or any of its subcontractors or suppliers, Subcontractor shall work such overtime, at Subcontractor's cost and expense as aforesaid, as Contractor shall deem necessary or desirable to make up for all time lost and to avoid delay in the completion of the Work or the Project. The failure by Contractor to direct Subcontractor to engage in such overtime work shall not relieve Subcontractor of the consequences of its delay.

Contractor may direct acceleration of the Work in order that it may be performed in advance of the schedules, time requirements and Project requirements described in Article 6 hereof. If so directed, Subcontractor shall increase its staff or work overtime, or both. Subcontractor will not be entitled to additional compensation for work performed outside of regular working hours, except as authorized and accepted in writing by Contractor. Provided that Subcontractor is not in default under the Subcontract, and Contractor has issued the aforesaid authorization, there shall be added to the Price an actual out-of-pocket amount equal to: (i) additional wages actually paid, at rates which have been approved in advance in writing by Contractor; (ii) taxes imposed by law on such additional wages; and (iii) premiums for worker's compensation and liability insurance if required to be paid on such additional wages.

Written authorization for overtime which exceeds \$500.00 in any one week shall be invalid unless confirmed in advance in writing by Contractor's Project Manager, it being understood that Contractor's Superintendent shall not have authority to authorize such overtime which exceeds \$500.00 in any one week.

ARTICLE 7, EXTENSIONS OF TIME

If Subcontractor claims an extension in the completion time requirements by reason of a change in the Work, Subcontractor shall give Contractor written notice thereof within seventy-two (72) hours after the occurrence of the conditions giving rise to such event. This written notice shall be given by Subcontractor before proceeding with the Work. No such request for an extension of time shall be valid unless written notice is given as required above. After delivering written notice of a perceived cause of delay, Subcontractor shall proceed to execute the Work, even though the time extension has not been agreed upon.

Should Subcontractor be obstructed or delayed in the commencement, prosecution or completion of the

Work without fault on its part, and by reason of causes which would entitle the Contractor to an extension of time under the Contract, then Subcontractor shall be entitled to an extension of time only to perform the Work which shall be equal to the extension of time to which the Contractor is entitled and granted by the PBC but no claim for extension of time on account of delay shall be allowed unless a claim in writing therefor is presented to Contractor with reasonable diligence but in any event not later than seventy-two (72) hours after the commencement of such claimed delay. The entitlement to an extension is absolutely conditioned upon Subcontractor's timely submission of the aforesaid written notice. Subcontractor expressly agrees not to make, and hereby waives, any claim for damages, including those resulting from increased labor or material costs, on account of any delay, obstruction or hindrance for any cause whatsoever, whether or not foreseeable and whether or not anticipated including, but not limited to, causes that would entitle the contractor to an extension of time under the Contract, and agrees that the sole right and remedy therefor shall be an extension of time in accordance with the foregoing paragraph.

Moreover, Subcontractor shall not be allowed an extension of time unless Subcontractor has established to Contractor's satisfaction that the delay claimed by Subcontractor is to a portion of the Work on the critical path of the Work schedule and that Subcontractor could not have reasonably anticipated the delay.

ARTICLE 8, CHANGE ORDERS

PBC has reserved the right under the Contract Documents to require Contractor to make changes in the Work, including additions thereto and deletions therefrom. Additionally, Contractor reserves the right under this paragraph to require Subcontractor to make changes in the Work, including additions thereto and deletions therefrom. Without notice to any surety and without invalidating this Subcontract, Contractor may from time to time, by written order ("Change Order") to Subcontractor, make changes in the Work to the same extent and in the same manner as may be required of Contractor by PBC under the Contract Documents. Subcontractor shall thereupon perform the changed Work in accordance with the terms of this Subcontract and the Change Order. In the event that Subcontractor is obligated hereunder to provide a payment or a performance bond, or both, under this Subcontract, the penal sum of such bonds shall automatically be deemed to be increased by any increase in the Subcontract Price.

Upon request of Contractor, and in time and manner sufficient to permit Contractor to comply with its obligations under the Contract Documents, Subcontractor shall submit a written proposal for any applicable Price and time adjustment attributable to the changed Work, detailed as Contractor or PBC may require, supported by and conforming to the requirements of the Contract Documents.

Where a Change Order is issued pursuant to a change required by the PBC, the Price shall be adjusted by the net amount of any direct savings and direct cost plus Profit Percentage attributable to the Change Order, and the time for performance of the Work may be adjusted according to the Contract Documents, subject, however, in each case to the following limitations: (a) the Price and time adjustments hereunder shall be limited to the amount and extent of adjustments actually allowed Contractor under the Contract Documents (less, in the case of Price, any overhead, profit or similar markup allowed by PBC for

Contractor's account); (b) where the Work affected by Change Order is the subject of unit prices under Exhibit D, the Price adjustment shall be limited to the amounts obtained by applying such unit prices to the actual increase or decrease in the quantity of units due to the change; and (c) the amount allowable for all overhead and profit shall be limited to the product obtained by multiplying the Profit Percentage by the net amount of Subcontractor's direct savings and direct cost.

As used in this Subcontract, Subcontractor's direct savings and direct cost shall mean and be limited to the actual amount of the following: cost of materials, including sales tax and cost of delivery; cost of labor, including social security, old age and unemployment insurance, and fringe benefits required by agreement or custom; worker's compensation insurance; bond premiums if and to the extent actually increased; and actual rent not greater than the rent charged in the locale or reasonable value of Subcontractor-owned equipment and machinery.

If the parties are able to agree upon the amount of the Price adjustment and the extent of any time adjustment, such adjustments shall be set forth in the Change Order, which shall be accepted by Subcontractor. If the parties are unable to agree upon such adjustments, Contractor may elect to issue the Change Order to Subcontractor directing such work to be performed by Subcontractor and any adjustments to Price or time shall be subject to ultimate determination in accordance with this Subcontract; and Subcontractor shall, nonetheless, proceed immediately with the changed Work. Subcontractor shall keep a detailed account of the direct savings and direct cost due to the changed Work separately from its other accounting records and shall make such records available to the Contractor at Contractor's request. Failure to keep adequate and separate cost records of the changed Work, and to furnish same to Contractor upon its request, shall constitute an acceptance on Subcontractor's part of the Contractor's determination of the direct savings and direct cost of such changed Work. In no event shall Subcontractor proceed with changed Work without a Change Order issued pursuant to this Article 8 and Contractor shall not be liable for any additional costs incurred or delays encountered in the performance of such changed Work without such a written Change Order.

ARTICLE 9, NOTICES

All written notices provided for in this Subcontract or in the Contract Documents shall be deemed given if delivered personally to the party, sent by telegram, or by regular mail to the party at its address and to the attention of the representative specified herein. Either party may from time to time, by notice to the other as herein provided, designate a different address and/or representative to which notices to it should be sent.

ARTICLE 10, BONDS

If so indicated on page 1 hereof, Subcontractor, within ten (10) days of date of transmission of this Subcontract to Subcontractor, shall furnish performance, and labor and material payment bonds each for one hundred percent (100%) of the Price, said bonds to be on Contractor's standard bond forms (attached hereto as Exhibit F) and with sureties satisfactory to Contractor. The premiums on such bonds shall be paid by Subcontractor, or paid directly by Contractor to Subcontractor's surety and deducted from amounts due or to become due to Subcontractor, and are included in the Price. Subcontractor agrees to notify its surety or sureties of increases in the Price and to take

such action as is required to have the penal amount of the bonds furnished pursuant to this paragraph increased correspondingly. Irrespective of whether Subcontractor is required to provide performance, and labor and material surety bonds under the terms of the Subcontract, Contractor shall have the right from time to time during the course of the Work to require Subcontractor to furnish bonds for one hundred percent (100%) of the Price (with sureties and in form attached hereto as Exhibit F and amount acceptable to Contractor) covering the faithful performance of the Subcontract and the payment of all obligations arising thereunder. Such bonds shall be furnished within ten (10) days after Subcontractor has been given written notice of such requirement by Contractor.

ARTICLE 11, INSURANCE

Before commencing the Work and until completion and final acceptance thereof by PBC, Subcontractor shall obtain and maintain, at its expense, at least the insurance coverage specified in Exhibit C attached hereto, all from companies and in form and substance acceptable to Contractor.

As a condition to any payment for the Work, Subcontractor shall furnish a certificate, satisfactory to Contractor, from each insurance company showing the required insurance to be in force and stating that the insurance will not be canceled or changed except upon at least thirty (30) days' written notice thereof to Contractor or as otherwise required by the Contract Documents. The certificate shall name Contractor, PBC and any other parties required by the Contract Documents as additional insureds under the policies required in Exhibit C. The terms and conditions of insurance to be provided by Subcontractor are described in Exhibit C. Neither PBC nor Contractor nor any other additional insureds, nor their agents, employees or assigns, shall be liable to Subcontractor or its agents, employees or assigns for any loss or damage covered by the insurance policies described in Exhibit C. The failure of Subcontractor to obtain the insurance required therein prior to the commencement of the Work shall not be deemed a waiver of such requirements or of any rights or remedies that PBC or Contractor may have.

Subcontractor hereby acknowledges its obligation for any loss to its Work, including stored materials, paid for or not.

Subcontractor waives all rights against the PBC, Contractor, Architect and any separate contractors for damages caused by fire or other perils to the extent covered by property insurance applicable to the Work or Subcontractor's equipment, except such rights as Subcontractor may have to the proceeds of such insurance. Subcontractor shall require similar waivers from its subcontractors, suppliers, sub-subcontractors, agents and employees of any of them, by appropriate agreements, each in favor of the other parties enumerated herein.

ARTICLE 12, INDEMNITY

The Subcontractor hereby assumes entire responsibility and liability for any and all damage or injury of any kind or nature whatever (including death resulting therefrom) to all persons, whether employees of any tier of the Subcontractor or otherwise, and to all property caused by, resulting from, arising out of or occurring in connection with the execution of the Work, or in preparation for the Work, or any extension, modification, or amendment to the Work by change order or otherwise. Except to the extent, if any, expressly prohibited by statute and excluding from this indemnity such acts or omissions, if any, of an Indemnified Party for which it is not legally entitled to be indemnified by LG02 (R)09/2010 MW2003

the Subcontractor under applicable law, should any claims for such damage or injury (including death resulting therefrom) be made or asserted, whether or not such claims are based upon the indemnified party's alleged active or passive negligence or participation in the wrong or upon any alleged breach of any statutory duty or obligation on the part of the Indemnified Party, the Subcontractor agrees to indemnify and save harmless the PBC, Board of Education of the City of Chicago, City of Chicago, Chicago Transit Authority, Bovis Lend Lease, Inc., their officers, assignees, agents, servants and employees (each, an "Indemnified Party") from and against any and all such claims and further from and against any and all loss, cost, expense, liability, damage, penalties, fines or injury, including legal fees and disbursements, that the Indemnified Party may directly or indirectly sustain, suffer or incur as a result thereof and the Subcontractor agrees to and does hereby assume, on behalf of each Indemnified Party, the defense of any action at law or in equity which may be brought against that Indemnified Party upon or by reason of such claims and to pay on behalf of the Indemnified Party upon demand, the amount of any judgment that may be entered against the Indemnified Party in any such action. In the event that any such claims, loss, cost, expense, liability, damage, penalties, fines or injury arise or are made, asserted or threatened against any Indemnified Party, Contractor shall have the right to withhold from any payments due or to become due to the Subcontractor an amount sufficient in its judgment to protect and indemnify that Indemnified Party from and against any and all such claims, loss, cost, expense, liability, damage, penalties, fines or injury, including legal fees and disbursements, or Contractor in its discretion may require the Subcontractor to furnish a surety bond satisfactory to Contractor guaranteeing such protection, which bond shall be furnished by the Subcontractor within five (5) days after written demand has been made therefor.

Nothing contained in Article 12 of this Agreement shall be deemed to obligate the Subcontractor to indemnify an Indemnified Party, against liability for damages or any other loss, damage or expense sustained, suffered or incurred on account of death or bodily injury to active persons or injury to property caused by the negligence or willful misconduct of an Indemnified Party, or other subcontractors directly responsible to Contractor. Therefore, if it is determined by legal proceedings or agreement, that the Subcontractor has no direct contributory or incidental negligence or other obligation to any Indemnified Party, and that the Subcontractor is in no way a proper party to a particular claim, then the Subcontractor shall not be obligated to hold any Indemnified Party harmless with respect to said claim. However, until such determination is made by legal proceedings or agreement, or if the Subcontractor is found to have any degree of direct or contributory negligence or if it is determined that the Subcontractor is in any way or to any degree a proper party to said claim, then the Subcontractor's obligations under all of the terms and provisions of Article 12 shall remain in full force and effect except to the extent caused by the negligence of an Indemnified Party.

If Contractor is determined by legal proceedings or agreement to be wholly or partially responsible for the claim for which indemnity is sought by reason of active, and not merely passive, negligence or willful misconduct on the part of Contractor, then after such determination Contractor shall reimburse the Subcontractor for a proportional share, based upon such negligence or fault

attributed to Contractor, of the defense cost expended by the Subcontractor in defending Contractor.

Nothing in this provision, or elsewhere in this Agreement, shall be deemed to relieve the Subcontractor of its duty to defend any Indemnified Party, as specified in Article 12, pending a determination of the respective liabilities of the Subcontractor or any Indemnified Party, by legal proceeding or agreement.

In furtherance to but not in limitation of the indemnity provisions in this Agreement, Subcontractor hereby expressly and specifically agrees that its obligation to indemnify, defend and save harmless as provided in this Agreement shall not in any way be affected or diminished by any statutory or constitutional immunity it enjoys from suits by its own employees or from limitations of liability or recovery under worker's compensation laws

ARTICLE 13, ASSIGNMENT

Subcontractor shall not assign this Subcontract, or any monies due or to become due hereunder, or subcontract any substantial part of the Work, without the prior written consent of Contractor. No assignment by Subcontractor of any right hereunder shall be effective and any such attempt shall be null and void. No third party shall have any right to enforce any right of Subcontractor under this Subcontract. If Contractor gives written consent to an assignment of this Subcontract, in whole or in part, Subcontractor shall not be relieved of its duties and obligations hereunder and shall be and remain fully responsible and liable for the acts and omissions of its assignees. Nothing herein shall prevent Subcontractor from engaging subcontractors to perform a portion of the Work hereunder. However, Subcontractor shall be and remain as fully responsible for all persons directly or indirectly employed by such subcontractors as Subcontractor is for its own acts and omissions and those of its agents, servants and employees. Additionally, nothing herein shall prevent any guarantor or surety of Subcontractor from enforcing any right hereunder after acknowledgment of its obligation as guarantor or surety. Any attempted enforcement of such rights in the absence of an express acknowledgment shall constitute an admission by any guarantor or surety of its obligations under its agreement of guarantee or suretyship.

Before any subcontractor or supplier is employed by Subcontractor, the name of such subcontractor or supplier shall be submitted in writing to Contractor, and no subcontractor or supplier shall be employed unless acceptable to Contractor. Each subcontractor and supplier shall be bound by all Contract Documents to the same extent and with the same effect as if the subcontractor or supplier were the Subcontractor. Subcontractor shall cause its subcontractors and suppliers to comply with the Contract Documents. Subcontractor shall be responsible for all of the acts, work, material and equipment of its subcontractors and suppliers and all persons either directly or indirectly employed by any of them.

Subcontractor (and its successors and assigns) hereby assigns to Contractor all its interest in any subcontracts and purchase orders now existing or hereinafter entered into by Subcontractor for performance of any part of the Work which assignment will be effective upon acceptance by Contractor in writing and only as to those subcontracts and purchase orders which Contractor designates in writing. It is agreed and understood that Contractor may accept said assignment at any

time during the course of construction prior to final completion. It is further agreed that all subcontracts and purchase orders shall provide that they are freely assignable by Subcontractor to Contractor and Contractor's assigns. Contractor may assign this Subcontract at any time without the consent of Subcontractor, or Subcontractor's payment and performance sureties or guarantors, if any.

ARTICLE 14, COMPLIANCE

Subcontractor shall, at its own expense, obtain all necessary licenses and permits pertaining to the Work and comply with all statutes, ordinances, rules, regulations and orders of any governmental or quasi-governmental authority having jurisdiction over the Work or the performance thereof, including, but not limited to, those relating to safety, wages, discrimination and equal employment opportunity and pay any fines or penalties imposed for any violations thereof ("Legal Requirements"). Subcontractor shall promptly correct any violations of such statutes, ordinances, rules, regulations and orders committed by Subcontractor, its agents, servants and employees. Subcontractor shall receive and respond to, and shall defend, indemnify and save harmless Contractor and PBC, as well as anyone to whom Contractor is obligated, and their agents, servants and employees from and against any loss, liability, or expense arising from any such violations and any citations, assessments, fines, or penalties resulting therefrom. Without limiting the foregoing, Subcontractor will appear at hearings, proceedings and/or in court and consent to its substitution as a party defendant in respect of all summonses and claimed violations arising out of or relating to the Work.

By executing this Subcontract, Subcontractor represents and warrants to Contractor that the Work, when completed, will comply fully with all applicable building and safety codes, regulations and construction requirements imposed or enforced by any governmental agencies and in existence on the date of execution of this Subcontract, without regard to any errors, omissions or deficiencies in the drawings and specifications; and Subcontractor shall furnish samples of all materials and component parts to be used as test specimens. Subcontractor shall furnish labor and facilities at the Project site as necessary in connection with testing and inspection services.

Except as otherwise expressly specified in the Contract Documents or elsewhere in this Subcontract, Subcontractor shall pay for all laboratory services, tests, testing laboratories, agencies, professional engineers, engineering inspections and reports required by the Contract Documents, the Architect, or Contractor. Testing laboratories and professional engineers shall be subject to Contractor's prior written approval. Without limiting the provisions herein, the cost of testing laboratories, agencies, and/or engineers for the convenience of Subcontractor in its scheduling and performance of the Work, or related to remedial operations or possible deficiencies, shall be borne by Subcontractor.

The observations of or participation by PBC, Architect, or Contractor in inspections or tests by persons other than Subcontractor shall not relieve Subcontractor from its obligations to perform the Work in accordance with the Contract Documents. PBC, Architect and Contractor, upon request, promptly shall have access to the Work, whether at the Project, in storage or in manufacture or preparation. Subcontractor shall provide proper and safe facilities for such access and for inspection at the Project

site, at the place of storage or elsewhere. Subcontractor has given a license to exercise self-help. If the specifications or any legal requirements require any portion of the Work to be tested or reviewed, Subcontractor shall give Contractor timely written notice of such test or review.

Subcontractor shall comply with and cooperate with other subcontractors, Contractor, Architect, and PBC in complying with legal requirements, including but not limited to OSHA requirements. Among other things, Subcontractor shall be responsible for performing corrective work within abatement periods, appealing from decisions or orders, requesting extensions on abatement periods, and furnishing such information or evidentiary material as may be necessary or as may be requested by Contractor to fully protect the rights and interests of PBC, Architect, and Contractor with respect to possible, threatened or pending proceedings or orders.

Subcontract shall comply, and shall cause each of its lower-tier subcontracts to comply, with the requirements of Schedule 4 attached hereto to the fullest extent required by applicable law. Subcontractor shall further maintain all records appropriate to document such compliance.

ARTICLE 15, SAFETY

Subcontractor agrees that the prevention of accidents to workers engaged upon or in the vicinity of the Work is its responsibility, even if Contractor establishes a safety program for the entire Project. Subcontractor shall establish and implement safety measures, policies and standards conforming to those required or recommended by governmental or quasi-governmental authorities having jurisdiction and by Contractor and PBC, including, but not limited to, any requirements imposed by the Contract Documents. Subcontractor shall comply with the reasonable recommendations of insurance companies having an interest in the Project and shall stop any part of the Work that Contractor deems unsafe until corrective measures satisfactory to Contractor have been taken. Contractor's failure to stop Subcontractor's unsafe practices shall not relieve Subcontractor of its responsibility therefor.

Subcontractor shall continuously protect the Work, other work, and the property of Contractor, PBC and others from damage, injury or loss arising in connection with the Subcontractor's performance of the Work. Neither PBC nor Contractor shall be responsible for any loss or damage to the Work or the property of Subcontractor, however caused, until after final acceptance thereof by PBC and final payment therefor. Likewise, neither PBC nor Contractor shall be responsible for loss of or damage (however caused) to materials, tools, equipment, appliances and other personal property of Subcontractor used in the performance of the Work. Subcontractor shall remove all snow and ice as may be required or requested for the proper protection and prosecution of the Work. Subcontractor shall provide and maintain adequate protection against weather so as to protect the Work from injury or damage.

Subcontractor shall enforce Contractor's instructions regarding signs, advertisements, fires, smoking, alcoholic beverages, and the possession of firearms by any person at the Project site. Subcontractor, as necessary for the Work, shall provide flagmen, erect proper barricades and other safeguards, and post danger signs and other warnings as warranted by hazardous and existing conditions.

Subcontractor shall promptly report in writing to Contractor and Subcontractor's insurance carriers all accidents

arising out of, or in connection with, the performance of the Work, whether on or off the Project site, which caused death, bodily injury or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages occur, the incident shall be reported to Contractor immediately by telephone or in person.

Subcontractor shall provide to Contractor a written site specific Safety and Health Program prior to the commencement of any Work on the Project. The Safety and Health Program shall address tasks to be performed on the Project with attendant risk analysis and have appropriate controls and safeguards to prevent injury and illness. Contractor will review the Safety and Health Program prior to the start of the work. Any questions, comments or inquiries by Contractor as to the adequacy of this program must be completely addressed by Subcontractor before Work is started.

Subcontractor must have a Safety Orientation Program for all of its new Project workers. Documentation of this orientation is required for the Project. Weekly safety meeting with the workers of Subcontractor and its subcontractors of any tier are also required with evidence of the meeting results being supplied to Contractor.

ANSI compliant hard hats, eye protection and high visibility vests are required on the Project. Subcontractor must have a Safety Disciplinary Program and Contractor will use a safety disciplinary system with the Subcontractor.

Guardrails are to be provided by Subcontractor at all working places and other locations where persons or materials could fall more than six (6) feet. Where this cannot be physically achieved, suitable and sufficient fall protection devices that do not rely on individuals must be provided and used by Subcontractor to establish a safe place of work. Harnesses and personal protective equipment must be used by Subcontractor as a last resort. The decisions made and options implemented must be clearly detailed by Subcontractor in its written site specific Safety and Health Program.

Free-standing scaffold towers used externally by Subcontractor must not be higher to the top platform level than three (3) times the minimum base dimension unless secured to a permanent structure. For internal use only, the height to platform may rise to 3.5 times the minimum base dimension. Wheels must be locked when towers are in use. No person is permitted to remain on a tower platform while a tower is being moved.

Powered cranes, hoists, aerial platforms and scissor lifts provided by Subcontractor must have a competent driver that is certified by a qualified third party. Additionally, the above items must be certified by a qualified third party as safe to use.

Subcontractor must comply in full with all applicable environment, health and safety ("EH&S") local and national legislation, including all OSHA regulations. In circumstances where there is a conflict between local or national legislation and this Article 15, the higher (more protective) requirement shall prevail.

All persons working for or under Subcontractor on suspended scaffolds/cradles/gondolas must wear and use appropriate fall prevention equipment so as to protect them effectively, at all times when they are at risk from any failure of any part of the scaffold/cradle/gondola, including its suspension system.

Holes, shafts and edges from or through which persons could fall a distance of more than 6 feet must be clearly marked by Subcontractor with signage or other means and must be adequately protected by covers or barriers provided by Subcontractor so as to prevent falls of persons and materials.

All temporary electrical circuits provided and used by Subcontractor must include a Residual Current Device, Earth Leakage Circuit Breaker or Ground Fault Circuit Interrupter at source.

Adequate lighting must be provided by Subcontractor to enable safe access to and egress from every place on a site where persons are liable to work. This is in addition to task lighting.

To the fullest extent permitted by law and/or by collective bargaining agreements, if applicable, Subcontractor shall comply with Contractor's Drug Policy that includes reasonable-suspicion testing and post-accident testing. If any employee of Subcontractor should test positive under those conditions, they will be sent, at Subcontractor's sole expense, to a drug rehabilitation program and be subject to testing during rehabilitation and upon their return to Work. By executing this Subcontract, Subcontractor hereby certifies that its employees have successfully completed a drug test within one month prior to beginning Work on the Project site. Prior to commencing the Work, Subcontractor must submit to the Contractor a copy of Subcontractor's group testing policy.

The Project has a zero tolerance, no smoking policy. Any employee of Subcontractor found smoking at the Project shall be removed from the Project immediately and shall be barred from any other Contractor projects. If any employee of Subcontractor is found smoking, Subcontractor shall be fined \$5,000.00 for the first offense and \$10,000.00 for each subsequent incident. All workers employed by Subcontractor at the Project must sign an acknowledgement that they are fully aware of the Project's zero tolerance, no smoking policy.

ARTICLE 16, CLEAN UP

Subcontractor shall, at its own expense: (a) keep the premises at all times free from waste materials, packaging and other debris accumulated in connection with the Work by collecting and removing such debris from the job site on a daily or other basis requested by Contractor; (b) at the completion of the Work in each area, sweep and otherwise make the Work and its immediate vicinity "broom-clean;" (c) remove all of its tools, equipment, scaffolds, temporary structures and surplus materials as directed by Contractor at the completion of the Work; and (d) at final inspection clean and prepare the Work for acceptance by PBC. Subcontractor agrees to provide all cleaning and cleanup required under the Contract Documents pertaining to the Work to the extent such requirements are in excess of those contained in this paragraph.

ARTICLE 17, TEMPORARY FACILITIES

Temporary facilities and services shall be provided in accordance with Schedule 3 attached hereto.

ARTICLE 18, QUALITY

Subcontractor shall at all times provide first-quality, new materials (unless otherwise specified in the Contract Documents) and workmanship conforming to the Contract Documents requirements and be in accordance with the best standards of the construction industry where the Project is located. Subcontractor shall at all times provide proper facilities and an

opportunity for the inspection of the Work by Contractor, Architect and PBC and their representatives. Subcontractor shall, within twenty-four (24) hours after receiving written notice from Contractor or Architect, proceed to take down and remove all portions of the Work which Contractor or Architect shall have condemned as unsound, improper, or in any way failing to conform to the Contract Documents or this Subcontract and shall replace the same with proper and satisfactory Work and make good all work damaged or destroyed thereby. Contractor's failure to discover or notify Subcontractor of defective or nonconforming Work at the time the Work, or any portion thereof, is performed or completed shall not relieve Subcontractor of full responsibility for replacement of the defective or nonconforming Work and all damages resulting therefrom. If the PBC elects to accept defective or nonconforming Work, Contractor may require an appropriate adjustment in the Price to the extent required of Contractor.

Subcontractor shall use all necessary means to discover and to notify Contractor in writing of any defect in any part of the Project upon which the satisfactory performance of the Work may depend, and to allow a reasonable amount of time for remedying such defects. If Subcontractor should proceed with the Work, Subcontractor shall be considered to have accepted and be responsible for such condition unless Subcontractor shall have been directed by Contractor to proceed over Subcontractor's written objection to Contractor.

ARTICLE 19, GUARANTEES AND WARRANTIES

Subcontractor warrants and guarantees the Work to the full extent provided for in and required by the Contract Documents. Without limiting the foregoing or any other liability or obligation with respect to the Work, Subcontractor shall, at its expense, make good any faulty, defective, or improper parts of the Work discovered within one (1) year from the date of acceptance of the Project by Architect and PBC or within such longer period as may be provided in the Contract Documents or Legal Requirements. Subcontractor warrants that all materials furnished hereunder meet the requirements of the Contract Documents and warrants that they are both merchantable and fit for the purposes for which they are to be used under the Contract Documents. No Guarantee Period shall be construed to limit any warranty given by Subcontractor hereunder.

Performance of the aforementioned guarantee obligations shall be deemed to be a material component of Subcontractor's contractual obligation to perform the Work. This Subcontract shall not be considered completely performed until all guarantee obligations hereunder are fully satisfied. Performance bonds required of Subcontractor shall include the performance of guarantee obligations and warranty obligations and shall not contain clauses limiting the time to sue upon said bonds for breach of the guarantee or warranty.

ARTICLE 20, SUBMITTALS

Subcontractor shall immediately prepare or obtain and promptly submit to Contractor shop and erection drawings, samples, product data, catalogue cuts, laboratory and inspection reports and engineering calculations, all as may be required by the Contract Documents or as may be necessary or appropriate to describe the details of the Work. Approval of drawings or other submittals by Contractor or Architect shall not relieve Subcontractor of its obligation to perform the Work in strict accordance with the Contract Documents or of its responsibility for the proper matching of the Work to contiguous work.

Subcontractor shall promptly submit all shop drawings and samples as to cause no delay in the Work or the progress of the Project. Subcontractor shall submit all shop drawings and samples through the Contractor to the PBC for the Architect's review. By submitting shop drawings and samples, Subcontractor represents and warrants that it has determined and verified all materials, field measurements, and field construction criteria pertaining thereto, has checked and coordinated this information with the Work and the Contract Documents, and that the Subcontractor shall fully guarantee and warrant the Work in accordance with this Subcontract and the Contract Documents. Any submission that, in Contractor's opinion, is incomplete, contains errors or has not been fully and properly checked, may be returned unreviewed by Contractor for revision and resubmission.

In reviewing shop drawings, Architect/Engineer need not verify dimensions and field conditions. Architect/Engineer will review shop drawings and samples only for conformance with the design concept of the Work and for general detailing. Architect and Contractor's review shall not be construed as a complete check nor shall it relieve Subcontractor from its responsibility for any deficiency that may exist or from any departures or deviations from the requirements of the Contract Documents. Architect's or Contractor's review shall not relieve Subcontractor from responsibility for errors in shop drawings; responsibility for proper fitting of the Work, the necessity of furnishing any Work required by the Contract Documents which may not be indicated on shop drawings when reviewed; or the necessity of providing sufficient quantities of items.

ARTICLE 21, PERFORMANCE

The Work shall be performed and furnished under the direction and to the satisfaction of Architect and Contractor, but Subcontractor shall not thereby be relieved of its obligation to supervise the Work, using its best skill and attention, or its obligation to perform the Work as provided for herein. Subcontractor shall be bound by the interpretations and decisions of Architect and PBC to the same extent as Contractor may be bound thereby under the Contract Documents. No certificate issued or payment made to Subcontractor nor any partial or entire use or occupancy of the Project site shall be an acceptance of any Work not in accordance with this Subcontract or the Contract Documents or be deemed evidence of proper performance of the Work, either in whole or in part, or be construed as an acceptance of defective workmanship or improper materials.

Subcontractor shall notify and obtain the approval of Contractor before the arrival of forces or delivery of materials and equipment to the Project site, before any substantial change in its forces, and before leaving the Project site for any reason.

Subcontractor shall promptly and carefully check all Contract Documents and notify Contractor of any discrepancies or conflicts before performing any Work, and Subcontractor shall be responsible for any extra costs resulting from its failure to do so. Subcontractor shall cooperate with Contractor and other subcontractors in the preparation of coordination drawings where required by Contractor. Subcontractor shall take field measurements and verify field conditions and compare such field measurements and field conditions with the Contract Documents before activities are commenced. Errors, inconsistencies or omissions discovered are to be reported to Contractor at once. Any work done by Subcontractor with respect to any portion of the Work affected by such error, discrepancy, conflict, misun-

derstanding, or variance will be at Subcontractor's own risk and Subcontractor shall bear all costs and loss arising therefrom.

Neither Architect nor Contractor nor PBC shall be responsible for: construction means, methods, techniques, sequences or procedures of Subcontractor; safety precautions and programs of Subcontractor; the acts or omissions of Subcontractor; or the failure of Subcontractor to carry out the work in accordance with the Contract Documents.

The Subcontractor shall confine operations at the Project site to areas permitted by law, ordinances, permits and the Contract Documents and shall not unreasonably encumber the Project site with materials and equipment. Subcontractor shall not perform any portion of the Work outside the areas of the Project site owned or controlled by PBC or designated as part of the Project site in the Contract Documents unless Subcontractor gives thirty (30) days advance written notice to Contractor, and PBC is able to obtain permission from the appropriate parties to proceed with the Work or to permit access pursuant to PBC's agreements with the PBCs and/or tenants of said areas. Any work permitted outside of the Project site owned by PBC shall be scheduled in a manner as to cause or occasion a minimum of inconvenience or disturbance to or interference with the normal operations of the PBC, abutters and the public. Subcontractor shall prosecute such operations expeditiously and restore the affected area and other areas needed for access to their original conditions immediately upon completion of such operations unless otherwise specified.

ARTICLE 22, LIENS

To the extent not expressly prohibited by law, Subcontractor shall not suffer or permit any lien or other encumbrance to be filed or to remain of record as a claim against the building or the Project site or against any monies due or to become due for any Work performed or materials furnished by, to or on behalf of Subcontractor, or any of its subcontractors or suppliers; nor shall Subcontractor suffer or permit any such lien or encumbrance to be so filed because of any claim or demand against, or any action or non-action of, Subcontractor or any of its subcontractors or suppliers. Subcontractor shall defend, indemnify and save harmless Contractor, Contractor's sureties and PBC from any lien or claim of lien filed or maintained by any laborer, materialman, subcontractor, or other person or entity directly or indirectly acting for, through, or under Subcontractor, against the Project or any part thereof or any interest therein or against any monies due or to become due from PBC to Contractor or from Contractor to Subcontractor. Without limiting the foregoing, Subcontractor shall cause any such lien or claim of lien to be satisfied, removed, or discharged by bond, payment, or otherwise within such time as provided under the Contract Documents or ten (10) days from the date of receipt by Subcontractor of written notice from Contractor or PBC to remove the lien, whichever period is shorter.

ARTICLE 23, PATENTS

Subcontractor shall pay all royalties and license fees applicable to the Work. Subcontractor shall defend, indemnify and hold PBC, Architect and Contractor harmless of, from and against any and all suits, demands and claims for infringement of any patent rights except to the extent that PBC may have assumed responsibility therefor under the Contract Documents. The foregoing exception shall be inapplicable if Subcontractor had or should have had reason to believe the design,

process, or product infringed upon a patent and failed to give written notification to Contractor of same.

ARTICLE 24, LABOR

Subcontractor shall employ labor that is compatible with the labor of other subcontractors; shall take all steps necessary to avoid labor disputes; and shall be responsible for any delays and damages to PBC caused by such disputes. Subcontractor agrees that where the Work is stopped, delayed, or interfered with by strikes, slow-downs, or similar interruptions or disturbances (including cases where Subcontractor's employees are engaged in a work-stoppage solely as a result of a labor dispute involving Contractor or others and not in any manner involving Subcontractor), Contractor shall have the rights and remedies provided for in Article 26. Subcontractor shall maintain and exercise control over all employees engaged in the performance of the Work, and Subcontractor shall, to the extent permitted by law, remove or cause to be removed from the Project any employee whose presence is detrimental to the orderly prosecution of the Work. Subcontractor shall not permit anyone under the age of 18 to perform the Work or to have access to the Project site. Subcontractor shall comply with all instructions by Contractor relating to the ingress and egress of its employees, materialmen and suppliers to the Project and shall take all necessary steps to restrain and enjoin any illegal picketing, demonstrating, violence, or similar activity against Subcontractor at the Project. Subcontractor agrees that if any provision of the Contract Documents conflicts with any agreement among members of a trade association, or with a union or labor council which regulates the work to be performed by a particular trade, Subcontractor shall reconcile such conflict without delay or damage to PBC or Contractor. Nothing herein shall be deemed to limit Contractor's rights under Article 26 hereof.

ARTICLE 25, DAMAGE

Contractor shall not be liable or responsible for loss or damage to the equipment, tools, facilities, or other personal property owned, rented, or used by Subcontractor, or anyone employed by or through Subcontractor, in the performance of the Work; and Subcontractor shall maintain such insurance and take such protective action as Subcontractor deems desirable with respect to such property. Contractor shall not be liable or responsible for any loss or damage to the Work, and Subcontractor shall be responsible for the correction or restoration of any such loss or damage to the Work, or to the work of Contractor or any other subcontractor, resulting from the operations of Subcontractor, or its subcontractors, agents, servants, or employees hereunder. Subcontractor shall take all reasonable precautions to protect the Work from loss or damage prior to acceptance by PBC.

ARTICLE 26, DEFAULT

Should Subcontractor at any time:

- (a) fail to supply the labor, materials, equipment, supervision and other things required of it in sufficient quantities and of required quality to perform the Work with the skill, conformity, promptness and diligence required hereunder;
- (b) cause interference, stoppage, or delay to the Project or any activity necessary to complete the Project;
- (c) become insolvent;
- (d) fails to properly and promptly make payment for all materials and services provided in the performance of the Work; or

(e) fail in the Contractor's opinion in the performance or observance of any of the covenants, conditions, or other terms of this Subcontract (including, but not limited to, those contained in Article 15 [Safety] hereof), then in any such event, each of which shall constitute a default hereunder by Subcontractor, Contractor shall, after giving Subcontractor written notice of default and forty-eight (48) hours within which to cure said default, have the right to exercise any one or more of the following remedies:

(i) require that Subcontractor utilize, at its own expense, overtime labor (including Saturday and Sunday Work) and additional shifts as necessary to overcome the consequences of any delay attributable to Subcontractor's default;

(ii) attempt to remedy the default by whatever means Contractor may deem necessary or appropriate, including, but not limited to, correcting, furnishing, performing, or otherwise completing the Work, or any part thereof, by itself or through others (utilizing where appropriate any materials and equipment previously purchased for that purpose by Subcontractor) and deducting the cost thereof (plus an allowance for administrative burden equal to fifteen percent (15%) of such costs) from any monies due or to become due to Subcontractor hereunder;

(iii) after giving Subcontractor an additional forty-eight (48) hours written notice (at any time following the expiration of the initial forty-eight (48) hours notice and curative period), terminate this Subcontract, without thereby waiving or releasing any rights or remedies against Subcontractor or its sureties, and by itself or through others take possession of the Work, and all materials, equipment, facilities, plants, tools, scaffolds and appliances of Subcontractor relating to the Work, for the purposes of completing the Work and securing to Contractor the payment of its costs (plus an allowance for administrative burden equal to fifteen percent (15%) of such costs) and other damages under the Subcontract and for the breach thereof, it being intended that Contractor shall, for the stated purposes, be the assignee of and have a security interest in the property described above to the extent located on the Project site (and Contractor may at any time file this Subcontract as a financing statement under applicable law); or

(iv) recover from Subcontractor all losses, damages, penalties and fines, whether actual or liquidated, direct or consequential (including without limitation any increase in Contractor's cost of insurance resulting from Subcontractor's failure to maintain insurance coverages required hereunder), and all reasonable attorneys' fees suffered or incurred by Contractor by reason of or as a result of Subcontractor's default.

After completion of the Work by the exercise of any one or more of the above remedies and acceptance of the Work by Architect and full payment therefor by PBC, Contractor shall promptly pay Subcontractor the undisbursed balance of the Price, if any. If the cost of completion of the Work, plus the allowance for administrative burden, together with any other damages or losses sustained or incurred by Contractor, shall exceed the undisbursed balance of the Price, Subcontractor and its guarantors, surety, or sureties shall pay the difference within fifteen (15) days of written demand from Contractor.

The foregoing remedies shall be considered separate and cumulative and shall be in addition to every other remedy given hereunder or under the Contract Documents, or now or hereafter existing at law or in equity. Subcontractor's

guarantors, surety, or sureties agree to be bound to Contractor with respect to such remedies notwithstanding any provision of the bonds provided pursuant to Article 10 hereof.

Except as limited by this Subcontract, Subcontractor shall have the rights and remedies available at law or in equity for a breach of this Subcontract by Contractor. Any default by Contractor shall be deemed waived unless Subcontractor shall have given Contractor written notice thereof within five (5) days after the occurrence of such default. Subcontractor shall be entitled to stop the Work or terminate this Subcontract **only** (a) on account of Contractor's failure to pay an amount to Subcontractor which is paid by PBC to Contractor under Subcontractor's Application for Payment that is approved in accordance with the Contract Documents and (b) where a good faith reason does not exist as to the withholding of such payments claimed by Subcontractor ("Contractor's Default"). Subcontractor shall not be entitled to stop the Work on account of a Contractor's Default unless such Contractor's Default shall have continued for more than ten (10) days after Contractor's receipt of written notice of such Contractor's Default from Subcontractor, specifying in detail the nature of the default and the steps necessary to cure the claimed default.

Subcontractor shall not be entitled to terminate this Subcontract except for a Contractor's Default which shall have continued for at least an additional thirty (30) days after (a) Subcontractor shall have stopped Work in accordance with this paragraph and (b) Contractor shall have received thirty (30) days written notice of Subcontractor's intention to terminate this Subcontract. Article 26 represents the Subcontractor's sole right to stop the Work or terminate this Subcontract.

Should any termination for default under Article 26 (iii) be determined to be invalid, improper or wrongful, such termination shall be deemed to have been a termination for convenience as provided in Article 28 below.

Subcontractor shall not be entitled to receive any further payment until the Work shall be wholly completed to the satisfaction of Contractor and shall have been accepted by Contractor and PBC, at which time, if the unpaid balance, if any, of the Price at the time of Subcontractor's default shall exceed the costs and expenses incurred in completing the Work and curing Subcontractor's default, such excess shall be paid to Subcontractor; but if such costs and expenses shall exceed such unpaid balance, then Subcontractor shall pay the difference to Contractor. Such costs and expenses shall include not only the cost of completing the Work to the satisfaction of Contractor and PBC and of performing and furnishing all labor, services, materials, equipment and other items required therefor, but also all losses, damages, costs and expenses, whether direct or consequential, including, without limitation, attorney's and legal fees and disbursements, sustained, incurred or suffered or to be sustained, incurred or suffered by PBC or Contractor by reason of or resulting from any default of Subcontractor.

ARTICLE 27, DISPUTES

In the event of any dispute between Subcontractor and Contractor arising out of or relating to this Subcontract, or the breach thereof, which involves the correlative rights and duties of PBC, the dispute shall be decided in accordance with the Contract Documents, and Subcontractor, its suppliers, subcontractors and its guarantors, surety, or sureties, shall be bound to Contractor to the same extent that Contractor is bound to PBC by the terms of the Contract Documents and by any deci-

sions or determination made under the Contract Documents by an authorized person, board, court, arbitration, or other tribunal. Subcontractor shall be afforded a reasonable opportunity to present information and testimony involving its rights. Subcontractor shall be solely responsible for the preparation of any information or testimony hereunder unless Contractor notifies Subcontractor in writing of its intention to provide attorneys and provide for the presentation of any case governed by this paragraph, in which case Subcontractor shall have the duty to cooperate with Contractor.

If a dispute should arise between Contractor and Subcontractor under or relating to the Subcontract, or the breach thereof, which does not involve the correlative rights and duties of PBC and is not, therefore, controlled by the foregoing provision, then either party may seek redress of its grievances as to such disputes at law or in equity in a court of competent jurisdiction located in the State in which the Project is located.

In the event of any dispute as to whether any item or portion of the Project Work is within the scope of the Work to be performed by Subcontractor or any dispute as to whether Subcontractor is entitled to an extra payment, Subcontractor shall continue to proceed diligently with the performance of the Work, this Subcontract, and any disputed Work, pending any resolution. The existence of a dispute shall not be grounds for any failure to perform by Subcontractor nor limit the right of Contractor to proceed to remedy any default by Subcontractor.

ARTICLE 28, EARLY TERMINATION

If PBC terminates the Contract or stops the Work for a reason other than the sole default of Contractor, Contractor may terminate this Subcontract or stop the Work for the same reason, and Subcontractor's rights and remedies, including the basis for payment of any unpaid portion of the Price, shall be limited to the corresponding rights and remedies available to Contractor under the Contract Documents, and controlled by Article 26 above. Should this Subcontract be terminated for default, Subcontractor shall assign all purchase orders and subcontracts to Contractor if Contractor, in its sole and absolute discretion, requests such assignments. Subcontractor agrees to incorporate such provisions in its agreements with suppliers and subcontractors to effectuate this Article 28. Nothing herein shall create any duty on the part of Contractor to accept the assignment of any purchase order or subcontract hereunder.

Further, in its sole discretion and without notice to any guarantors, surety, or sureties, Contractor may, at any time prior to final payment, terminate this Subcontract for its convenience upon the giving of written notice to Subcontractor. In no event shall Subcontractor be entitled to consequential damages or loss of profits on portions of the Work not yet performed. If terminated for convenience, Subcontractor shall be entitled to be paid all costs of all Work provided hereunder including reasonable and necessary costs of termination, as determined in accordance with the method set forth in Article 8 above, together with the Profit Percentage attributable to the costs so determined. Payment shall be made in accordance with and subject to the requirements of Article 4.

Without limitation, the following obligations, among others, of Subcontractor shall survive the termination of the Subcontract whether pursuant to this Subcontract: warranties and guarantees of Work performed; indemnity; payment of taxes, damages, losses and expenses; certifications; delivery of manuals, data on electronic media and as-built drawings; correction

of Work performed; removal of liens; and cooperation with the construction lender.

ARTICLE 29, SETOFF

If Subcontractor is, or hereafter begins, performing any work for Contractor other than the Work under the Subcontract and the unpaid balance of the Price becomes insufficient to complete such Work or compensate Contractor for any damages or deficiencies by the Subcontractor in the performance of the other work, Subcontractor hereby consents and agrees to allow Contractor, in its sole discretion and judgment, to setoff any of Contractor's claims against any funds due, or which may become due, Subcontractor under any other agreement with Contractor, or any subcontract on any other project. No refusal or failure of Contractor to exercise its rights hereunder shall constitute the basis of any right or claim against Contractor.

ARTICLE 30, MISCELLANEOUS

(a) All matters relating to the validity, performance, or interpretation of this Subcontract shall be governed by the law of the State in which the Project is located, applicable to the validity, performance, or interpretation, as the case may be, of the Contract Documents. In the event that any term, provision, or part of the Subcontract is held to be illegal, invalid or unenforceable, such term, provision, or part shall be deemed severed from the Subcontract and the remaining terms, provisions and parts shall remain unaffected thereby. Where the context requires, neuter terms used herein shall include the masculine and feminine, and singular terms shall include the plural, and vice versa.

(b) This Subcontract, including the documents incorporated herein by reference, embodies the entire agreement of the parties and supersedes all prior negotiations, agreements and understandings relating to the subject matter hereof. Subcontractor agrees that any claims against Contractor, irrespective of an alleged breach by Contractor of the Contract Documents, shall be based, nonetheless, upon this Subcontract and the Price, and shall in no event be based upon an asserted fair and reasonable value of the Work performed.

(c) This Subcontract may not be changed in any way except as herein provided or by a writing signed by a duly authorized officer or agent of each party. No requirement of this Subcontract may be waived except in writing signed by a duly authorized officer of the waiving party. This provision may not be waived orally by Contractor.

(d) The provisions of this Subcontract and the Contract Documents are intended to supplement and complement each other. If, however, any provision of this Subcontract irreconcilably conflicts with a provision of the Contract Documents, the provision imposing the greater duty on the Subcontractor shall govern.

(e) As to any claim which arises out of Subcontractor's performance which is also caused by the acts or omissions of any third party, Subcontractor's liability hereunder shall be joint and several.

(f) The failure of PBC or Contractor to insist upon performance or strict performance of any of the terms, covenants or conditions of this Subcontract or the Contract Documents shall not be deemed a waiver of any rights or remedies that PBC or Contractor may have; shall not be deemed to constitute an amendment of this Subcontract; and shall not be deemed a waiver of any subsequent breach or default by Contractor of any of the terms, covenants, or conditions of this Subcontract.

(g) Subcontractor acknowledges, agrees and understands that (i) Contractor's employees are prohibited from accepting, directly or indirectly, anything of value (such as money, goods or a service) from Subcontractor; (ii) a business courtesy, such as a gift, contribution or entertainment, can not be accepted by Contractor's employees under circumstances that might cause a conflict of interest or create the appearance of impropriety; (iii) gifts of nominal value (generally \$300.00 or less) may be accepted by Contractor's employees if reasonable under the circumstances of the business relationship and consistent with customary business practices in the industry (e.g., accepting a lunch or dinner invitation, tickets to theater or sporting events, or nominal value gifts at the holidays); (iv) Contractor's employees are not allowed to accept materials from Subcontractor that are outside of arrangements that are made available to all Contractor's employees; (v) Contractor's employees are strictly prohibited from accepting a cash gift or a check in any amount; and (vi) Contractor's employees are strictly prohibited from accepting, directly or indirectly, anything of value (such as money, goods or a service) from any federal, state or local government official and/or government employee.

IN WITNESS WHEREOF, the parties have duly executed this Subcontract as of the date first above written

Roy Strom Excavating and Grading

PUBLIC BUILDING COMMISSION OF CHICAGO

By:

[Signature]

By:

Ral Emanuel

Chairman

MARK PARUS, VICE PRESIDENT
Print Name and Title

By:

[Signature]

Executive Director

In the Presence of: (Witness)

By:

Cathy De Bartolo

By:

[Signature]
Secretary
Approved as to Form and Legality.

By:

Jacinta Epling
Neal & Leroy, LLC

Subcontractor's Illinois State Unemployment Ins. No. 0172715
(Insert State and Register No. for State in which the Work is to be performed)

Subcontractor's License No. -75237 - CITY OF CHICAGO
(Insert License No., if any, for State or locality in which the Work is to be performed)

Subcontractor's Illinois State Sales Tax Registration No. 1032-0156

SCHEDULE 1 — CONTRACT DOCUMENTS

The Contract Documents referred to in Article 1 and elsewhere in this Subcontract consists of the Subcontract and the following:

The Contract Documents, sometimes referred to collectively as the "Subcontract," are listed below and shall constitute the Subcontract.

- This Subcontract with Schedules 1, 2, 3 and 4.
- The Agreement for Construction Management Services ("Contract") between PBC and Bovis Lend Lease, Inc. dated June 15, 2010.
- Exhibit A (Drawings/Specifications) consisting of (28) pages, dated February 18, 2011.
- Exhibit B (General Scope of Subcontractor's Work) consisting of (7) pages, dated February 15, 2011.
- Exhibit C (Insurance Requirements) consisting of (3) pages.
- Exhibit D (Unit Prices) consisting of (3) pages, dated January 26, 2011.
- Exhibit E (Alternates) consisting of (1) page, dated February 14, 2011.
- Exhibit F (Bonding Requirements and Required Bond Forms) consisting of (NA) pages.
- Exhibit S – General Requirements/Steel Frame Erection Requirements consisting of 11 pages.
- Additional Exhibits:

Exhibit H – Electronic File Requirements dated January 26, 2011 consisting of (1) page.

Exhibit T – PBC Required Subcontract Provisions and Schedules 2, 3, 4, C and D.

Bid Proposal Form consisting of (3) pages dated February 8, 2011.

Rider to Subcontract Between The Public Building Commission of Chicago and Roy Strom Excavating and Grading for the William Jones College Preparatory High School Project consisting of one (1) page dated March 8, 2011.

Addendum No. 1 dated January 31, 2011.

Addendum No. 2 dated February 9, 2011.

Addendum No. 3 dated February 14, 2011.

Addendum No. 4 dated February 16, 2011.

Addendum No. 5 dated February 18, 2011.

Project Procedures Manual Version 2 dated October 21, 2010.

The Subcontractor is bound by the terms of all Contract Documents.

SCHEDULE 2 — PERFORMANCE SCHEDULE

Pursuant to Article 6 of this Subcontract and without limiting the provisions thereof, Subcontractor shall perform the Work and its several parts according to the following specific schedule, and as the same may be revised from time to time by Contractor:

Reference Bovis Lend Lease, Inc.'s Exhibit B dated February 15, 2011.

SCHEDULE 3 — TEMPORARY FACILITIES

All temporary Project site facilities and storage, sheds, shanties, material storage rooms, field offices, power, hoists, scaffolding, cold weather protection, etc. ("Temporary Facilities") required in performing the Work shall be furnished by Subcontractor except as provided herein. Subcontractor agrees to furnish, at Subcontractor's expense, sufficient Temporary Facilities for the efficient performance of the Work. Subcontractor agrees to place its Temporary Facilities in locations designated by Contractor. When it becomes necessary, in the opinion of the Contractor, for Subcontractor to provide Temporary Facilities, Subcontractor will do so in an expeditious manner and at no additional cost. Temporary Facilities shall be equipped with fire extinguishers and shall be of fireproof material only, such as concrete, gypsum block, rated drywall, or sheet metal. The sole exceptions to Subcontractor's obligations to provide Temporary Facilities are:

The Temporary Facilities furnished by Contractor shall be without charge to Subcontractor except as otherwise indicated above.

In connection with their furnishing of the Temporary Facilities indicated above, Contractor shall not be liable for conditions beyond the reasonable control of Contractor which may interrupt, delay or otherwise interfere with the availability of such Temporary Facilities to Subcontractor. Unless otherwise expressly indicated, the Temporary Facilities furnished by Contractor shall not be for the exclusive use of Subcontractor, but shall be shared by others performing work on the Project. Contractor, therefore, reserves the exclusive right to schedule the use of any Temporary Facilities in accordance with its determinations as to the needs of the Project and shall incur no liability as a result thereof. If either party from time to time furnishes the other a crane, hoisting equipment, or other machinery or equipment, with or without an operator, for such party's exclusive use, then the using party shall at all times furnish adequate and competent supervision and direction therefor and shall be fully liable and responsible for safe and proper care, use and custody of such machinery or equipment.

SCHEDULE 4 – EMPLOYMENT ELIGIBILITY VERIFICATION

In addition to Subcontracts compliance with this Schedule, the provisions of this Schedule must be incorporated into any subcontract Subcontractor enters into in connection with the performance of the Work.

1. The Subcontractor shall obtain and pay for all necessary permits and licenses pertaining to the Work and shall comply with all federal, state, municipal and local laws, ordinances, codes, rules, regulations, standards, orders, notices and requirements, including but not limited to those relating to safety, discrimination in employment, fair employment practices, immigration laws or equal employment opportunity, and whether or not provided for by the other Contract Documents, without additional charge or expense to the Contractor and/or PBC and shall also be responsible for and correct, at its own cost and expense, any violations thereof resulting from or in connection with the performance of its Work. Each requisition for payment shall constitute a representation and warranty that Subcontractor is in compliance with applicable law.

2. The Subcontractor shall at any time upon demand furnish such proof as Contractor may require showing such compliance and the correction of such violations. The Subcontractor agrees to save harmless and indemnify Contractor and PBC, as well as any other parties Contractor is required to defend, indemnify and hold harmless, and their respective agents, servants and employees, from and against any and all loss, injury, claims, actions, proceedings, liability, damages, fines, penalties, costs and expenses, including reasonable legal fees and disbursements, caused or occasioned directly or indirectly by the failure of the Subcontractor or its subcontractor(s) of any tier to comply with any of said laws, ordinances, rules, regulations, standards, orders, notices or requirements or to correct such violations therefore resulting from or in connection with the performance of Work.

3. The Immigration and Nationality Act as amended by the Immigration Reform and Control Act of 1986 (IRCA) makes it illegal for employers to knowingly hire persons who are not authorized to work in the United States. For all employees, employers are required to complete an Employment Eligibility Verification form I-9 which requires the prospective employee to produce documentation that establishes identity and employment eligibility. For more information visit www.uscis.gov, or speak to your attorney. Each subcontractor is solely responsible for properly completing Employment Eligibility Verifications for their own employees.

4. Subcontractor acknowledges represents and warrants that Subcontractor is aware of and understands IRCA (or any E-Verify requirement or other similar immigration law requirement where applicable), that Subcontractor is in compliance with IRCA (or E-Verify requirement or other similar immigration law requirement where applicable), and that Subcontractor is not knowingly employing workers who are not authorized to work in the United States. Subcontractor agrees that Subcontractor will not employ any worker under this Subcontract for whom Subcontractor has not completed and maintained verification. Subcontractor agrees that if Subcontractor acquires knowledge (constructive or otherwise), indicating that one of Subcontractor's workers on this Project may not be authorized to work in the United States, despite Subcontractor having conducted appropriate verification, that Subcontractor will exercise due diligence as required by law to confirm authorization status and take appropriate action which may include termination of employment. Subcontractor represents and warrants that they will not subcontract to or utilize labor sources that it knows or has reason to know violate IRCA (or E-Verify requirement or other similar immigration law requirement where applicable).

A. Additional Employment Eligibility Verification (E-Verify) where E-Verify is required by Federal Acquisition Regulations (FAR).

As prescribed in FAR Section 22.1803, Subcontractor and its subcontractors of every tier shall comply with the following provisions to the fullest extent required by law:

Employment Eligibility Verification (Jan 2009)

(a) *Definitions.* As used in this clause—

"Commercially available off-the-shelf (COTS) item"—

(1) Means any item of supply that is—

- (i) A commercial item (as defined in paragraph (1) of the definition at FAR Section 2.101);
- (ii) Sold in substantial quantities in the commercial marketplace; and
- (iii) Offered to the Government, without modification, in the same form in which it is sold in the commercial marketplace; and

(2) Does not include bulk cargo, as defined in section 3 of the Shipping Act of 1984 (46 U.S.C. App. 1702), such as agricultural products and petroleum products. Per 46 CFR 525.1 (c)(2), "bulk cargo" means cargo that is loaded and carried in bulk onboard ship without
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mark or count, in a loose unpackaged form, having homogenous characteristics. Bulk cargo loaded into intermodal equipment, except LASH or Seabee barges, is subject to mark and count and, therefore, ceases to be bulk cargo.

"Employee assigned to the contract" means an employee who was hired after November 6, 1986, who is directly performing work, in the United States, under a contract that is required to include the clause prescribed at FAR Section 22.1803. An employee is not considered to be directly performing work under a contract if the employee—

- (1) Normally performs support work, such as indirect or overhead functions; and
- (2) Does not perform any substantial duties applicable to the contract.

"Subcontract" means any contract, as defined in FAR Section 2.101, entered into by a subcontractor to furnish supplies or services for performance of a prime contract or a subcontract. It includes but is not limited to purchase orders, and changes and modifications to purchase orders.

"Subcontractor" means any supplier, distributor, vendor, or firm that furnishes supplies or services to or for a prime Contractor or another subcontractor.

"United States", as defined in 8 U.S.C. 1101(a)(38), means the 50 States, the District of Columbia, Puerto Rico, Guam, and the U.S. Virgin Islands.

(b) *Enrollment and verification requirements.*

(1) If the Subcontractor is not enrolled as a Federal Contractor in E-Verify at time of contract award, the Subcontractor shall—

- (i) *Enroll.* Enroll as a Federal Contractor in the E-Verify program within 30 calendar days of contract award;
- (ii) *Verify all new employees.* Within 90 calendar days of enrollment in the E-Verify program, begin to use E-Verify to initiate verification of employment eligibility of all new hires of the Subcontractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); and
- (iii) *Verify employees assigned to the contract.* For each employee assigned to the contract, initiate verification within 90 calendar days after date of enrollment or within 30 calendar days of the employee's assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(2) If the Subcontractor is enrolled as a Federal Contractor in E-Verify at time of contract award, the Subcontractor shall use E-Verify to initiate verification of employment eligibility of—

- (i) *All new employees.*
- (A) *Enrolled 90 calendar days or more.* The Subcontractor shall initiate verification of all new hires of the Subcontractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or
- (B) *Enrolled less than 90 calendar days.* Within 90 calendar days after enrollment as a Federal Contractor in E-Verify, the Subcontractor shall initiate verification of all new hires of the Subcontractor, who are working in the United States, whether or not assigned to the contract, within 3 business days after the date of hire (but see paragraph (b)(3) of this section); or
- (ii) *Employees assigned to the contract.* For each employee assigned to the contract, the Subcontractor shall initiate verification within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever date is later (but see paragraph (b)(4) of this section).

(3) If the Subcontractor is an institution of higher education (as defined at 20 U.S.C. 1001(a)); a State or local government or the government of a Federally recognized Indian tribe; or a surety performing under a takeover agreement entered into with a Federal agency pursuant to a performance bond, the Subcontractor may choose to verify only employees assigned to the contract, whether existing employees or new hires. The Subcontractor shall follow the applicable verification requirements at (b)(1) or (b)(2) respectively, except that any requirement for verification of new employees applies only to new employees assigned to the contract.

(4) *Option to verify employment eligibility of all employees.* The Subcontractor may elect to verify all existing employees hired after November 6, 1986, rather than just those employees assigned to the contract. The Subcontractor shall initiate verification for each existing employee working in the United States who was hired after November 6, 1986, within 180 calendar days of—

- (i) Enrollment in the E-Verify program; or
- (ii) Notification to E-Verify Operations of the Subcontractor's decision to exercise this option, using the contact information provided in the E-Verify program Memorandum of Understanding (MOU).

(5) The Subcontractor shall comply, for the period of performance of this contract, with the requirements of the E-Verify program MOU.

- (i) The Department of Homeland Security (DHS) or the Social Security Administration (SSA) may terminate the Subcontractor's MOU and deny access to the E-Verify system in accordance with the terms of the MOU. In such case, the Subcontractor will be referred to a suspension or debarment official.
- (ii) During the period between termination of the MOU and a decision by the suspension or debarment official whether to suspend or debar, the Subcontractor is excused from its obligations under paragraph (b) of this clause. If the suspension or debarment official determines not to suspend or debar the Subcontractor, then the Subcontractor must reenroll in E-Verify.

(c) *Web site.*

Information on registration for and use of the E-Verify program can be obtained via the Internet at the Department of Homeland Security Web site:

<http://www.dhs.gov/E-Verify><http://www.dhs.gov/E-Verifygov/E-Verify>.

(d) *Individuals previously verified.*

The Subcontractor is not required by this clause to perform additional employment verification using E-Verify for any employee—

(1) Whose employment eligibility was previously verified by the Subcontractor through the E-Verify program;

(2) Who has been granted and holds an active U.S. Government security clearance for access to confidential, secret, or top secret information in accordance with the National Industrial Security Program Operating Manual; or

(3) Who has undergone a completed background investigation and been issued credentials pursuant to Homeland Security Presidential Directive (HSPD)-12, Policy for a Common Identification Standard for Federal Employees and Contractors.

(e) *Subcontracts.*

The Subcontractor shall include the requirements of this clause, including this paragraph (e) (appropriately modified for identification of the parties), in each subcontract that—

(1) Is for—

- (i) Commercial or noncommercial services (except for commercial services that are part of the purchase of a COTS item (or an item that would be a COTS item, but for minor modifications), performed by the COTS provider, and are normally provided for that COTS item); or
- (ii) Construction;

(2) Has a value of more than \$3,000; and

(3) Includes work performed in the United States. —END OF DOCUMENT—

**52089699 – William Jones College Preparatory High School
CHICAGO, ILLINOIS**

EXHIBIT A – LIST OF CONTRACT DOCUMENTS
60 % CD + Updates

JANUARY 26, 2011 *revised February 18, 2011*
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<u>DRAWING</u> <u>/SPEC NO.</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>REVISION</u>
<u>GENERAL</u>			
G0.10	TITLE SHEET	1/11/11	
G.011	SURVEY	12/20/10	1/10/11
G0.20	INDEX OF DRAWINGS, GENERAL INFORMATION AND NOTES	1/11/11	1/28/11
G0.21	INDEX OF DRAWINGS – VOLUME II	1/11/11	1/28/11
G0.30	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SYMBOLS	1/11/11	
G0.40	TYPICAL MOUNTING HEIGHTS AND ACCESSIBILITY NOTES	1/11/11	
G0.50	ZONING AND BUILDING CODE ANALYSIS MATRIX	1/11/11	
G1.00	LIFESAFETY PLANS AND CALCULATIONS - BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
G1.01	LIFESAFETY PLANS AND CALCULATIONS - SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
G1.02	LIFESAFETY PLANS AND CALCULATIONS - FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
G1.03	LIFESAFETY PLANS AND CALCULATIONS - SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
G1.04	LIFESAFETY PLANS AND CALCULATIONS - PENTHOUSE PLAN + ROOF PLAN	1/11/11	
G1.05	LIFESAFETY BUILDING SECTION	1/11/11	
<u>ENVIRONMENTAL</u>			
RD-01	ENVIRONMENTAL PLAN	1/11/11	2/16/11
<u>CIVIL</u>			
C0.00	GENERAL NOTES AND LEGEND	1/11/11	
C0.10	EXISTING CONDITIONS	1/11/11	
C0.20	SITE DEMOLITION PLAN	1/11/11	
C1.00	SITE DIMENSION PLAN	1/11/11	
C2.00	SITE GRADING PLAN	1/11/11	1/28/11
C2.10	GRADING DETAILS	1/11/11	
C2.20	EROSION AND SEDIMENTATION CONTROL PLAN	1/11/11	
C3.00	SITE UTILITY PLAN	1/11/11	1/28/11
C4.00	SITE DETAILS	1/11/11	
C4.10	SITE DETAILS	1/11/11	
C4.20	SITE DETAILS	1/11/11	
C4.30	SITE DETAILS	1/11/11	
C5.00	SITE DETAILS	1/11/11	
<u>LANDSCAPE</u>			
L1.01	LANDSCAPE AND FURNISHING PLAN - GROUND FLOOR	1/11/11	
L1.02	LANDSCAPE PLAN - SECOND FLOOR	1/11/11	
L1.03	LANDSCAPE PLAN - SEVENTH FLOOR	1/11/11	
L1.04	LANDSCAPE PLAN - ROOF	1/11/11	
L2.01	LANDSCAPE AND FURNISHING DETAILS	1/11/11	

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NOTE: This Exhibit A Includes 60% CD set + AOR Bid Pkg 1 Add #1 revisions from 1/12/11 + updated survey 1/10/11 + ERS dwgs 1/28/11 + AOR Bid Pkg 1 Add #2 revisions from 1/28/11 + Environmental changes per Add #3 from 2/11/11 and per Add #5 from 2/16/11.

**52089699 – William Jones College Preparatory High School
CHICAGO, ILLINOIS**

EXHIBIT A – LIST OF CONTRACT DOCUMENTS
60 % CD + Updates

JANUARY 26, 2011 revised February 18, 2011
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<u>DRAWING</u> <u>/SPEC NO.</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>REVISION</u>
<u>ARCHITECTURAL</u>			
<u>SITE</u>			
AS1.00	ARCHITECTURAL SITE PLAN	1/11/11	
AS4.01	SITE SECTION	1/11/11	
<u>ARCHITECTURE</u>			
A1.00	BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	1/28/11
A1.01	SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
A1.02	FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
A1.03	SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
A1.04	PENTHOUSE PLAN + ROOF PLAN	1/11/11	
A1.10A	BASEMENT FLOOR PLAN AREA A	1/11/11	1/28/11
A1.10B	BASEMENT FLOOR PLAN AREA B	1/11/11	1/28/11
A1.11A-E	GROUND FLOOR PLAN AREA A	1/11/11	1/28/11
A1.11A-I	GROUND FLOOR PLAN AREA A	1/11/11	
A1.11B-E	GROUND FLOOR PLAN AREA B	1/11/11	1/28/11
A1.11B-I	GROUND FLOOR PLAN AREA B	1/11/11	
A1.12A-E	SECOND FLOOR PLAN AREA A	1/11/11	
A1.12A-I	SECOND FLOOR PLAN AREA A	1/11/11	
A1.12B-E	SECOND FLOOR PLAN AREA B	1/11/11	
A1.12B-I	SECOND FLOOR PLAN AREA B	1/11/11	
A1.13A-E	THIRD FLOOR PLAN AREA A	1/11/11	
A1.13A-I	THIRD FLOOR PLAN AREA A	1/11/11	
A1.13B-E	THIRD FLOOR PLAN AREA B	1/11/11	
A1.13B-I	THIRD FLOOR PLAN AREA B	1/11/11	
A1.14A-E	FOURTH FLOOR PLAN AREA A	1/11/11	
A1.14A-I	FOURTH FLOOR PLAN AREA A	1/11/11	
A1.14B-E	FOURTH FLOOR PLAN AREA B	1/11/11	
A1.14B-I	FOURTH FLOOR PLAN AREA B	1/11/11	
A1.15A-E	FIFTH FLOOR PLAN AREA A	1/11/11	
A1.15A-I	FIFTH FLOOR PLAN AREA A	1/11/11	
A1.15B-E	FIFTH FLOOR PLAN AREA B	1/11/11	
A1.15B-I	FIFTH FLOOR PLAN AREA B	1/11/11	
A1.16A-E	SIXTH FLOOR PLAN AREA A	1/11/11	
A1.16A-I	SIXTH FLOOR PLAN AREA A	1/11/11	
A1.16B-E	SIXTH FLOOR PLAN AREA B	1/11/11	
A1.16B-I	SIXTH FLOOR PLAN AREA B	1/11/11	
A1.17A-E	SEVENTH FLOOR PLAN AREA A	1/11/11	
A1.17A-I	SEVENTH FLOOR PLAN AREA A	1/11/11	
A1.17B-E	SEVENTH FLOOR PLAN AREA B	1/11/11	
A1.17B-I	SEVENTH FLOOR PLAN AREA B	1/11/11	
A1.18A-E	PENTHOUSE PLAN AREA A	1/11/11	
A1.18B-E	PENTHOUSE PLAN AREA B	1/11/11	

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**52089699 – William Jones College Preparatory High School
CHICAGO, ILLINOIS**

**EXHIBIT A – LIST OF CONTRACT DOCUMENTS
60 % CD + Updates**

**JANUARY 26, 2011 *revised February 18, 2011*
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<u>DRAWING /SPEC NO.</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>REVISION</u>
A1.19A-E	ROOF PLAN AREA A	1/11/11	
A1.19B-E	ROOF PLAN AREA B	1/11/11	
A2.00	EXTERIOR REFLECTED CEILING PLANS - BASEMENT FLOOR + GROUND FLOOR	1/11/11	
A2.01	EXTERIOR REFLECTED CEILING PLANS - SECOND FLOOR + THIRD FLOOR	1/11/11	
A2.02	EXTERIOR REFLECTED CEILING PLANS - FOURTH FLOOR + FIFTH FLOOR	1/11/11	
A2.03	EXTERIOR REFLECTED CEILING PLANS - SIXTH FLOOR + SEVENTH FLOOR	1/11/11	
A2.10A	BASEMENT FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.10B	BASEMENT FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.11A	GROUND FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.11B	GROUND FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.12A	SECOND FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.12B	SECOND FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.13A	THIRD FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.13B	THIRD FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.14A	FOURTH FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.14B	FOURTH FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.15A	FIFTH FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.15B	FIFTH FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.16A	SIXTH FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.16B	SIXTH FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.17A	SEVENTH FLOOR REFLECTED CEILING PLAN AREA A	1/11/11	
A2.17B	SEVENTH FLOOR REFLECTED CEILING PLAN AREA B	1/11/11	
A2.18	PENTHOUSE REFLECTED CEILING PLAN	1/11/11	
A2.19	ENLARGED AUDITORIUM REFLECTED CEILING PLAN	1/11/11	
A2.20	CEILING DETAILS	1/11/11	
A2.21	CEILING DETAILS	1/11/11	
A3.00	EAST & WEST BUILDING ELEVATIONS	1/11/11	
A3.01	NORTH & SOUTH BUILDING ELEVATIONS	1/11/11	
A3.03	PARTIAL BUILDING ELEVATIONS	1/11/11	
A3.04	EAST & WEST BUILDING ELEVATIONS-WIND LOADS	1/11/11	
A3.05	NORTH & SOUTH BUILDING ELEVATIONS-WIND LOADS	1/11/11	
A3.06	PARTIAL BUILDING ELEVATIONS-WIND LOADS	1/11/11	
A3.07	EAST & WEST BUILDING ELEVATIONS-MULLION COLOR	1/11/11	
A3.08	NORTH & SOUTH BUILDING ELEVATIONS-MULLION COLOR	1/11/11	
A3.09	SLAB INSULATION PLANS	1/11/11	
A3.10	AXONOMETRIC VIEW	1/11/11	
A3.11	AXONOMETRIC VIEW	1/11/11	
A3.12	AXONOMETRIC VIEW	1/11/11	
A3.13	AXONOMETRIC VIEW	1/11/11	

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A4.00	BUILDING SECTION	1/11/11	
A4.01	BUILDING SECTIONS	1/11/11	1/28/11
A6.00	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.01	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.02	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.03	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.04	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.05	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.06	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.07	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.08	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.09	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.10	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.11	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.11A	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.12	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.13	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.20	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.21	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.22	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.23	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.30	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.31	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.32	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.33	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.34	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.35	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.36	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.40	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.41	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.42	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.43	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.44	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.45	PARTIAL EXTERIOR PLANS, SECTIONS AND ELEVATIONS	1/11/11	
A6.47	EXTERIOR WALL DETAILS	1/11/11	
A6.48	EXTERIOR WALL DETAILS	1/11/11	
A6.49	EXTERIOR WALL DETAILS	1/11/11	
A6.50	EXTERIOR WALL DETAILS	1/11/11	
A6.51	EXTERIOR WALL DETAILS	1/11/11	
A6.52	EXTERIOR WALL DETAILS	1/11/11	
A6.53	EXTERIOR WALL DETAILS	1/11/11	
A6.54	EXTERIOR WALL DETAILS	1/11/11	
A6.55	EXTERIOR WALL DETAILS	1/11/11	
A6.56	EXTERIOR WALL DETAILS	1/11/11	

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A6.57	EXTERIOR WALL DETAILS	1/11/11	
A6.58	EXTERIOR WALL DETAILS	1/11/11	
A6.59	EXTERIOR WALL DETAILS	1/11/11	
A6.60	EXTERIOR WALL DETAILS	1/11/11	
A6.61	EXTERIOR WALL DETAILS	1/11/11	
A6.62	EXTERIOR WALL DETAILS	1/11/11	
A6.64	EXTERIOR WALL DETAILS	1/11/11	
A6.67	EXTERIOR WALL DETAILS	1/11/11	
A6.69	EXTERIOR WALL DETAILS	1/11/11	
A6.77	EXTERIOR WALL DETAILS	1/11/11	
A6.78	EXTERIOR WALL DETAILS	1/11/11	
A6.79	EXTERIOR WALL DETAILS	1/11/11	
A6.80	EXTERIOR WALL DETAILS	1/11/11	
A6.81	EXTERIOR WALL DETAILS	1/11/11	
A6.82	EXTERIOR WALL DETAILS	1/11/11	
A6.83	EXTERIOR WALL DETAILS	1/11/11	
A6.84	EXTERIOR WALL DETAILS	1/11/11	
A6.85	EXTERIOR WALL DETAILS	1/11/11	
A6.86	EXTERIOR WALL DETAILS	1/11/11	
A6.90	EXTERIOR WALL DETAILS	1/11/11	
A6.91	EXTERIOR WALL DETAILS	1/11/11	
A7.00	CORE PLANS - STAIR 01, STAIR 02	1/11/11	
A7.01	CORE PLANS - STAIR 01, STAIR 02	1/11/11	
A7.02	CORE PLANS - STAIR 01, STAIR 02	1/11/11	
A7.03	CORE PLANS - STAIR 01, STAIR 02	1/11/11	
A7.04	PARTIAL PLANS - STAIR 03	1/11/11	
A7.05	PARTIAL PLANS - STAIR 03	1/11/11	
A7.06	PARTIAL PLANS - STAIR 04	1/11/11	
A7.07	PARTIAL PLANS - STAIR 05, STAIR 06, STAIR 07, ELEVATOR 05, ELEVATOR 06	1/11/11	
A7.10	STAIR SECTIONS - STAIR 01	1/11/11	
A7.11	STAIR SECTIONS - STAIR 03	1/11/11	
A7.12	STAIR SECTIONS - STAIR 04	1/11/11	
A7.13	STAIR SECTIONS - STAIR 06, STAIR 07	1/11/11	
A7.15	STAIR DETAILS	1/11/11	
A7.16	ELEVATOR DIAGRAM AND DIMENSIONAL DATA	1/11/11	
A7.17	ELEVATOR CABS	1/11/11	
A7.18	ELEVATOR CAB DETAILS	1/11/11	
A7.20	STAIR DETAILS - STAIR 01, STAIR 02	1/11/11	
A7.21	STAIR DETAILS - STAIR 01, STAIR 02	1/11/11	
A7.22	STAIR DETAILS - STAIR 03, 04, 05, 07, TYPICAL STAIR SIGNAGE	1/11/11	
A8.01	INTERIOR ELEVATIONS - LOBBY	1/11/11	
A8.02	INTERIOR ELEVATIONS - LOBBY	1/11/11	

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A8.03	INTERIOR ELEVATIONS - LOBBY	1/11/11	
A8.04	LOBBY SECURITY DESK	1/11/11	
A8.05	LOBBY TICKET DESK	1/11/11	
A8.06	LOBBY CONVENIENCE STAIR 06	1/11/11	
A8.10	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.11	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.12	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.13	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.15-A	ENLARGED AUDITORIUM GROUND FLOOR PLAN	1/11/11	
A8.15-B	ENLARGED AUDITORIUM BALCONY LEVEL PLAN	1/11/11	
A8.15-C	ENLARGED AUDITORIUM CATWALK PLAN	1/11/11	
A8.15-D	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.15-E	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.15-F	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.15-G	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.15-H	INTERIOR ELEVATIONS - GROUND FLOOR	1/11/11	
A8.16	INTERIOR ELEVATIONS-GROUND FLOOR	1/11/11	
A8.20	INTERIOR ELEVATIONS - SECOND FLOOR	1/11/11	
A8.25	INTERIOR ELEVATIONS-SECOND FLOOR	1/11/11	
A8.30	INTERIOR ELEVATIONS - THIRD FLOOR	1/11/11	
A8.31	INTERIOR ELEVATIONS - THIRD FLOOR	1/11/11	
A8.32	INTERIOR ELEVATIONS-THIRD FLOOR	1/11/11	
A8.33	INTERIOR ELEVATIONS-THIRD FLOOR	1/11/11	
A8.34	INTERIOR ELEVATIONS-THIRD FLOOR	1/11/11	
A8.35	INTERIOR ELEVATIONS-THIRD FLOOR	1/11/11	
A8.40	INTERIOR ELEVATIONS - FOURTH FLOOR	1/11/11	
A8.42	INTERIOR ELEVATIONS-FOURTH FLOOR	1/11/11	
A8.43	INTERIOR ELEVATIONS-FOURTH FLOOR	1/11/11	
A8.44	ENLARGED FLOOR PLANS-FOURTH FLOOR	1/11/11	
A8.45	INTERIOR ELEVATIONS-FOURTH FLOOR	1/11/11	
A8.46	INTERIOR ELEVATIONS-FOURTH FLOOR	1/11/11	
A8.47	INTERIOR ELEVATIONS - FOURTH FLOOR	1/11/11	
A8.50	INTERIOR ELEVATIONS - FIFTH FLOOR	1/11/11	
A8.55	INTERIOR ELEVATIONS-FIFTH FLOOR	1/11/11	
A8.60	INTERIOR ELEVATIONS - SIXTH FLOOR	1/11/11	
A8.62	INTERIOR ELEVATIONS-SIXTH FLOOR	1/11/11	
A8.63	INTERIOR ELEVATIONS-SIXTH FLOOR	1/11/11	
A8.70	INTERIOR ELEVATIONS - SEVENTH FLOOR	1/11/11	
A8.71	INTERIOR ELEVATIONS - SEVENTH FLOOR	1/11/11	
A8.72	INTERIOR ELEVATIONS-SEVENTH FLOOR	1/11/11	
A8.73	INTERIOR ELEVATIONS-SEVENTH FLOOR	1/11/11	
A8.74	INTERIOR ELEVATIONS-SEVENTH FLOOR	1/11/11	

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A9.10	PARTITION TYPES	1/11/11	
A9.11	PARTITION TYPES	1/11/11	
A9.12	PARTITION TYPES	1/11/11	
A9.13	PARTITION TYPES	1/11/11	
A10.20	MISCELLANEOUS DETAILS	1/11/11	
A11.10	MILLWORK DETAILS	1/11/11	
A11.11	CASEWORK DETAILS	1/11/11	
A11.12	CASEWORK DETAILS - MEDIA CENTER	1/11/11	
A11.13	CASEWORK DETAILS - ADMINISTRATION	1/11/11	
A11.14	CASEWORK DETAILS - NURSING AREA	1/11/11	
A11.15	CASEWORK DETAILS - CONCESSIONS	1/11/11	
A11.16	CASEWORK DISPLAY CASES & OTHER MISC MILLWORK	1/11/11	
A12.10	DOOR SCHEDULE	1/11/11	
A12.11	DOOR SCHEDULE	1/11/11	
A12.12	DOOR SCHEDULE	1/11/11	
A12.13	DOOR TYPES AND FRAME DETAILS	1/11/11	
A12.14	ENLARGED ENTRYWAY PLANS	1/11/11	
A12.15	ENLARGED ENTRYWAY PLANS	1/11/11	
A12.16	ENLARGED ENTRYWAY ELEVATIONS	1/11/11	
A12.17	FRAME DETAILS	1/11/11	
A12.18	THRESHOLD DETAILS	1/11/11	
A13.11A	GROUND FLOOR FINISHES PLAN AREA A	1/11/11	
A13.11B	GROUND FLOOR FINISHES PLAN AREA B	1/11/11	
A13.12A	SECOND FLOOR FINISHES PLAN AREA A	1/11/11	
A13.12B	SECOND FLOOR FINISHES PLAN AREA B	1/11/11	
A13.13A	THIRD FLOOR FINISHES PLAN AREA A	1/11/11	
A13.13B	THIRD FLOOR FINISHES PLAN AREA B	1/11/11	
A13.14A	FOURTH FLOOR FINISHES PLAN AREA A	1/11/11	
A13.14B	FOURTH FLOOR FINISHES PLAN AREA B	1/11/11	
A13.15A	FIFTH FLOOR FINISHES PLAN AREA A	1/11/11	
A13.15B	FIFTH FLOOR FINISHES PLAN AREA B	1/11/11	
A13.16A	SIXTH FLOOR FINISHES PLAN AREA A	1/11/11	
A13.16B	SIXTH FLOOR FINISHES PLAN AREA B	1/11/11	
A13.17A	SEVENTH FLOOR FINISHES PLAN AREA A	1/11/11	
A13.17B	SEVENTH FLOOR FINISHES PLAN AREA B	1/11/11	
A13.17C	GYMNASIUM GAME LINE PLAN & DETAILS	1/11/11	
A13.20	ROOM FINISH SCHEDULE	1/11/11	
A13.30A	BASEMENT SIGNAGE PLAN AREA A	1/11/11	
A13.30B	BASEMENT SIGNAGE PLAN AREA B	1/11/11	
A13.31A	GROUND FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.31B	GROUND FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.32A	SECOND FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.32B	SECOND FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.33A	THIRD FLOOR SIGNAGE PLAN AREA A	1/11/11	

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A13.33B	THIRD FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.34A	FOURTH FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.34B	FOURTH FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.35A	FIFTH FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.35B	FIFTH FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.36A	SIXTH FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.36B	SIXTH FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.37A	SEVENTH FLOOR SIGNAGE PLAN AREA A	1/11/11	
A13.37B	SEVENTH FLOOR SIGNAGE PLAN AREA B	1/11/11	
A13.38A	PENTHOUSE SIGNAGE PLAN AREA A	1/11/11	
A13.38B	PENTHOUSE SIGNAGE PLAN AREA B	1/11/11	
A13.41	SIGN TYPES	1/11/11	
A15.10	TYPICAL TOILET ROOM ENLARGED PLANS, ELEVATIONS AND DETAILS	1/11/11	
A15.11	TYPICAL TOILET ROOM ENLARGED PLANS, ELEVATIONS AND DETAILS	1/11/11	
A15.12	JANITORS CLOSET PLANS AND ELEVATIONS	1/11/11	
A15.13	LOCKER ROOM ENLARGED PLANS ELEVATIONS AND DETAILS	1/11/11	
A15.14	LOCKER ROOM ENLARGED PLANS ELEVATIONS AND DETAILS	1/11/11	
A15.15	LOCKER ROOM ENLARGED PLANS ELEVATIONS AND DETAILS	1/11/11	
A15.16	LOCKER ROOM ELEVATIONS AND DETAILS	1/11/11	
A15.17	LOCKER ROOM ENLARGED PLANS ELEVATIONS AND DETAILS	1/11/11	
A15.18	LOCKER ROOM ELEVATIONS AND DETAILS	1/11/11	
A16.11A	GROUND FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.11B	GROUND FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.12A	SECOND FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.12B	SECOND FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.13A	THIRD FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.13B	THIRD FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.14A	FOURTH FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.14B	FOURTH FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.15A	FIFTH FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.15B	FIFTH FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.16A	SIXTH FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.16B	SIXTH FLOOR FURNITURE PLAN AREA B	1/11/11	
A16.17A	SEVENTH FLOOR FURNITURE PLAN AREA A	1/11/11	
A16.17B	SEVENTH FLOOR FURNITURE PLAN AREA B	1/11/11	
STRUCTURAL			
S0.10	STRUCTURAL NOTES, ABBREVIATIONS	1/11/11	1/28/11
S0.11	STRUCTURAL NOTES	1/11/11	1/28/11
S0.12	FLOOR LOADING DIAGRAMS - 1	1/11/11	
S0.13	FLOOR LOADING DIAGRAMS - 2	1/11/11	
S0.14	FLOOR LOADING DIAGRAMS - 3	1/11/11	
S1.00	BASEMENT FLOOR PLAN AND GROUND FLOOR PLAN	1/11/11	1/28/11
S1.01	SECOND FLOOR PLAN AND THIRD FLOOR PLAN	1/11/11	

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S1.02	FOURTH FLOOR PLAN AND FIFTH FLOOR PLAN	1/11/11	
S1.03	SIXTH FLOOR PLAN AND SEVENTH FLOOR PLAN	1/11/11	
S1.04	PENTHOUSE PLAN+ROOF PLAN	1/11/11	
S1.09A	CAISSON PLAN - AREA A	1/11/11	
S1.09B	CAISSON PLAN - AREA B	1/11/11	
S1.10A	BASEMENT FLOOR FRAMING PLAN - AREA A	1/11/11	1/28/11
S1.10B	BASEMENT FLOOR FRAMING PLAN - AREA B	1/11/11	1/28/11
S1.11A	GROUND FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.11B	GROUND FLOOR FRAMING PLAN - AREA B	1/11/11	1/28/11
S1.12A	SECOND FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.12B	SECOND FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.13A	THIRD FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.13B	THIRD FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.14A	FOURTH FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.14B	FOURTH FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.15A	FIFTH FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.15B	FIFTH FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.16A	SIXTH FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.16B	SIXTH FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.17A	SEVENTH FLOOR FRAMING PLAN - AREA A	1/11/11	
S1.17B	SEVENTH FLOOR FRAMING PLAN - AREA B	1/11/11	
S1.18A	PENTHOUSE FRAMING PLAN - AREA A	1/11/11	
S1.18B	PENTHOUSE FRAMING PLAN - AREA B	1/11/11	
S1.19A	ROOF FRAMING PLAN - AREA A	1/11/11	
S1.19B	ROOF FRAMING PLAN - AREA B	1/11/11	
S1.20A	RAISED FLOOR AT LOADING DOCK	1/11/11	1/28/11
S1.20B	AUDITORIUM LEVEL CATWALK FRAMING PLAN	1/11/11	
S1.21A	POOL FRAMING PLAN - AREA A	1/11/11	
S1.21B	AUDITORIUM FLOATING FLOOR FRAMING PLAN – AREA B	1/11/11	
S1.22B	AUDITORIUM CATWALK LEVEL FRAMING PLAN – AREA B	1/11/11	
S1.23A	POOL SUPPORT FRAMING PLAN – AREA A	1/11/11	
S2.00	STRUCTURAL ELEVATIONS - EXTERIOR WALL	1/11/11	1/28/11
S2.01	STRUCTURAL ELEVATIONS - EXTERIOR WALL	1/11/11	1/28/11
S2.02	STRUCTURAL ELEVATIONS - INTERIOR LATERAL BRACING	1/11/11	1/28/11
S2.03	STRUCTURAL ELEVATIONS - INTERIOR TRANSFER TRUSSES	1/11/11	
S3.00	CAISSON AND GRADE BEAM DETAILS	1/11/11	1/28/11
S3.01	TYPICAL FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.02	TYPICAL FOUNDATION AND SLAB-ON-GRADE DETAILS	1/11/11	1/28/11
S3.03	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.04	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.05	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.06	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.07	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.08	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11

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S3.09	FOUNDATION SECTIONS AND DETAILS	1/11/11	1/28/11
S3.10	LOADING DOCK AREA SECTIONS AND DETAILS	1/11/11	1/28/11
S3.11	FOUNDATION SECTION AND DETAILS	1/28/11	
S3.12	FOUNDATION SECTIONS AND DETAILS	1/28/11	
S4.00	STEEL COLUMN SCHEDULE	1/11/11	1/28/11
S4.01	STEEL COLUMN SCHEDULE	1/11/11	1/28/11
S4.02	STEEL COLUMN SCHEDULE	1/11/11	1/28/11
S4.03	STEEL COLUMN SCHEDULE	1/11/11	1/28/11
S4.04	STEEL COLUMN SCHEDULE	1/11/11	1/28/11
S4.10	TYPICAL STEEL DETAILS	1/11/11	
S4.11	TYPICAL COMPOSITE SLAB DETAILS	1/11/11	
S4.12	TYPICAL COMPOSITE SLAB DETAILS	1/11/11	
S4.13	ROOF DECK AND SLAB DETAILS	1/11/11	
S4.14	STEEL SECTIONS AND DETAILS	1/11/11	
S4.15	STEEL SECTIONS AND DETAILS	1/11/11	
S4.16	BALCONY SECTIONS AND DETAILS	1/11/11	
S4.17	AUDITORIUM SECTIONS AND DETAILS	1/11/11	
S4.18	AUDITORIUM SECTIONS AND DETAILS	1/11/11	
S4.19	STEEL SECTIONS AND DETAILS	1/11/11	
S4.20	STEEL BRACING DETAILS	1/11/11	
S4.21	POOL SECTION AND DETAILS	1/11/11	
S4.22	POOL DETAILS	1/11/11	
S4.23	POOL DETAILS	1/11/11	
S4.26	SCREEN WALL DETAILS	1/28/11	
S4.30	JOIST DETAILS	1/11/11	
S4.31	JOIST GIRDER ELEVATION	1/11/11	

MECHANICAL

M0.10	MECHANICAL NOTES, ABBREVIATIONS, SYMBOLS AND CODE MATRIX	1/11/11	
M1.00	BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
M1.01	MECHANICAL HVAC SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
M1.02	MECHANICAL HVAC FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
M1.03	MECHANICAL HVAC SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
M1.04	MECHANICAL HVAC PENTHOUSE + PENTHOUSE ROOF PLAN	1/11/11	
M1.10A	BASEMENT FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.10B	BASEMENT FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.11A	GROUND FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.11B	GROUND FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.12A	SECOND FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.12B	SECOND FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.13A	THIRD FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.13B	THIRD FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.14A	FOURTH FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.14B	FOURTH FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	

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M1.15A	FIFTH FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.15B	FIFTH FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.16A	SIXTH FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.16B	SIXTH FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.17A	SEVENTH FLOOR MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.17B	SEVENTH FLOOR MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.18A	PENTHOUSE MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.18B	PENTHOUSE MECHANICAL HVAC PLAN - AREA B	1/11/11	
M1.19A	PENTHOUSE ROOF MECHANICAL HVAC PLAN - AREA A	1/11/11	
M1.19B	PENTHOUSE ROOF MECHANICAL HVAC PLAN - AREA B	1/11/11	
M2.00	HYDRONIC PIPING BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
M2.01	HYDRONIC PIPING SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
M2.02	HYDRONIC PIPING FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
M2.03	HYDRONIC PIPING SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
M2.04	HYDRONIC PIPING PENTHOUSE + PENTHOUSE ROOF PLAN	1/11/11	
M2.10A	BASEMENT HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.10B	BASEMENT HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.11A	GROUND FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.11B	GROUND FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.12A	SECOND FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.12B	SECOND FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.13A	THIRD FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.13B	THIRD FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.14A	FOURTH FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.14B	FOURTH FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.15A	FIFTH FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.15B	FIFTH FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.16A	SIXTH FLOOR POWER HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.16B	SIXTH FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.17A	SEVENTH FLOOR HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.17B	SEVENTH FLOOR HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.18A	PENTHOUSE HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.18B	PENTHOUSE HYDRONIC PIPING PLAN - AREA B	1/11/11	
M2.19A	PENTHOUSE ROOF HYDRONIC PIPING PLAN - AREA A	1/11/11	
M2.19B	PENTHOUSE ROOF HYDRONIC PIPING PLAN - AREA B	1/11/11	
M3.01	ENLARGED GENERATOR ROOM	1/11/11	
M3.02	ENLARGED SECOND FLOOR MECHANICAL ROOM	1/11/11	
M3.03	ENLARGED SIXTH FLOOR MECHANICAL ROOM - HVAC	1/11/11	
M3.04	ENLARGED SIXTH FLOOR MECHANICAL ROOM - HYDRONIC	1/11/11	
M3.05	ENLARGED PENTHOUSE MECHANICAL PLAN - HVAC	1/11/11	
M3.06	ENLARGED PENTHOUSE MECHANICAL PLAN - HYDRONIC	1/11/11	
M3.07	ENLARGED PENTHOUSE ROOF MECHANICAL PLAN - HVAC	1/11/11	
M3.08	ENLARGED PENTHOUSE ROOF MECHANICAL PLAN - HYDRONIC	1/11/11	
M4.01	MECHANICAL VENTILATION RISER DIAGRAM	1/11/11	

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M4.02	MECHANICAL PIPING RISER DIAGRAM	1/11/11	
M4.03	CHILLED WATER FLOW DIAGRAM	1/11/11	
M4.04	HOT WATER FLOW DIAGRAM	1/11/11	
M5.01	MECHANICAL DETAILS	1/11/11	
M5.02	MECHANICAL DETAILS	1/11/11	
M5.03	MECHANICAL DETAILS	1/11/11	
M5.04	MECHANICAL DETAILS	1/11/11	
M6.01	TEMPERATURE CONTROLS	1/11/11	
M6.02	TEMPERATURE CONTROLS	1/11/11	
M6.03	TEMPERATURE CONTROLS	1/11/11	
M6.04	TEMPERATURE CONTROLS	1/11/11	
M6.05	POOL AND SOLAR HOT WATER	1/11/11	
M6.06	TEMPERATURE CONTROLS	1/11/11	
M6.07	CHILLED WATER-CONDENSER SIDE	1/11/11	
M6.08	ENERGY RECOVERY UNITS	1/11/11	
M6.09	TEMPERATURE CONTROLS	1/11/11	
M6.10	KITCHEN AHU	1/11/11	
M6.11	TEMPERATURE CONTROLS	1/11/11	
M6.12	TEMPERATURE CONTROLS	1/11/11	
M6.13	TEMPERATURE CONTROLS	1/11/11	
M6.14	TEMPERATURE CONTROLS	1/11/11	
M6.15	EXHAUST FANS AND COMED VAULT	1/11/11	
M6.16	GENERATOR ROOM AND VAV BOXES	1/11/11	
M6.17	FAN COIL UNITS	1/11/11	
M6.18	CUH, UH AND MISC MONITORING	1/11/11	
M6.19	UTILITY METERING	1/11/11	
M7.01	MECHANICAL SCHEDULES	1/11/11	
M7.02	MECHANICAL SCHEDULES	1/11/11	
M7.03	MECHANICAL SCHEDULES	1/11/11	
M7.04	MECHANICAL SCHEDULES	1/11/11	
M7.05	MECHANICAL SCHEDULES	1/11/11	
M7.06	MECHANICAL SCHEDULES	1/11/11	
M7.07	MECHANICAL SCHEDULES	1/11/11	
M7.08	MECHANICAL SCHEDULES	1/11/11	
<u>PLUMBING</u>			
P0.10	PLUMBING NOTES, ABBREVIATIONS, SYMBOLS AND CODE MATRIX	1/11/11	
P1.00	PLUMBING DOMESTIC WATER - BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
P1.01	PLUMBING DOMESTIC WATER - SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
P1.02	PLUMBING DOMESTIC WATER - FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
P1.03	PLUMBING DOMESTIC WATER - SIXTH FLOOR PLAN + SEVENTH FLOOR	1/11/11	

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	PLAN		
P1.10A	BASEMENT FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.10B	BASEMENT FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.11A	GROUND FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.11B	GROUND FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.12A	SECOND FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.12B	SECOND FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.13A	THIRD FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.13B	THIRD FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.14A	FOURTH FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.14B	FOURTH FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.15A	FIFTH FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.15B	FIFTH FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.16A	SIXTH FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.16B	SIXTH FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
P1.17A	SEVENTH FLOOR DOMESTIC WATER PLAN - AREA A	1/11/11	
P1.17B	SEVENTH FLOOR DOMESTIC WATER PLAN - AREA B	1/11/11	
	PLUMBING STORM, SANITARY & VENT PLAN - BASEMENT FLOOR PLAN +		
P2.00	GROUND FLOOR PLAN	1/11/11	
	PLUMBING STORM, SANITARY & VENT PLAN - SECOND FLOOR PLAN +		
P2.01	THIRD FLOOR PLAN	1/11/11	
	PLUMBING STORM, SANITARY & VENT PLAN - FOURTH FLOOR PLAN +		
P2.02	FIFTH FLOOR PLAN	1/11/11	
	PLUMBING STORM, SANITARY & VENT PLAN - SIXTH FLOOR PLAN +		
P2.03	SEVENTH FLOOR PLAN	1/11/11	
P2.10A	BASEMENT FLOOR STORM, SANITARY & VENT PLAN - AREA A	1/11/11	1/28/11
P2.10B	BASEMENT FLOOR STORM, SANITARY & VENT PLAN - AREA B	1/28/11	
P2.11A	GROUND FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.11B	GROUND FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.12A	SECOND FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.12B	SECOND FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.13A	THIRD FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.13B	THIRD FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.14A	FOURTH FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.14B	FOURTH FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.15A	FIFTH FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.15B	FIFTH FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.16A	SIXTH FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.16B	SIXTH FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.17A	SEVENTH FLOOR STORM, SANITARY & VENT PLAN – AREA A	1/11/11	
P2.17B	SEVENTH FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P2.18A	PENTHOUSE FLOOR PLUMBING STORM, SANITARY & VENT PLAN AREA A	1/11/11	

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P2.19A	ROOF PLUMBING STORM, SANITARY & VENT PLAN AREA A	1/11/11	
P2.19B	ROOF PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	
P3.00	PLUMBING ENLARGED FLOOR PLANS	1/11/11	
P4.00	PLUMBING DOMESTIC WATER RISER DIAGRAMS	1/11/11	
P4.03	PLUMBING WASTE + VENT RISER DIAGRAMS	1/11/11	
P5.00	PLUMBING DETAILS	1/11/11	
P5.01	PLUMBING DETAILS	1/11/11	
P6.00	PLUMBING SCHEDULES	1/11/11	
PU2.1A	UNDERGROUND PLUMBING STORM, SANITARY & VENT PLAN AREA A	1/11/11	1/28/11
PU2.1B	UNDERGROUND PLUMBING STORM, SANITARY & VENT PLAN AREA B	1/11/11	1/28/11
<u>ELECTRICAL</u>			
E0.10	ELECTRICAL NOTES, ABBREVIATIONS AND SYMBOLS	1/11/11	
E0.11	ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES 2	1/11/11	
E1.00	LIGHTING PLAN - BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
E1.01	LIGHTING PLAN - SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
E1.02	LIGHTING PLAN - FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
E1.03	LIGHTING PLAN - SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
E1.04	LIGHTING PLAN - PENTHOUSE + PENTHOUSE & ROOF PLAN	1/11/11	
E1.10A	BASEMENT FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.10B	BASEMENT FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.11A	GROUND FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.11B	GROUND FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.12A	SECOND FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.12B	SECOND FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.13A	THIRD FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.13B	THIRD FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.14A	FOURTH FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.14B	FOURTH FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.15A	FIFTH FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.15B	FIFTH FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.16A	SIXTH FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.16B	SIXTH FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.17A	SEVENTH FLOOR LIGHTING PLAN AREA A	1/11/11	
E1.17B	SEVENTH FLOOR LIGHTING PLAN AREA B	1/11/11	
E1.18A	PENTHOUSE LIGHTING PLAN AREA A	1/11/11	
E1.18B	PENTHOUSE LIGHTING PLAN AREA B	1/11/11	
E1.19A	ROOF LIGHTING PLAN AREA A	1/11/11	
E2.00	POWER AND SYSTEMS PLAN - BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
E2.01	POWER AND SYSTEMS PLAN - SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
E2.02	POWER AND SYSTEMS PLAN - FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
E2.03	POWER AND SYSTEMS PLAN - SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	

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	PLAN		
E2.04	POWER AND SYSTEMS PLAN - PENTHOUSE + PENTHOUSE & ROOF PLAN	1/11/11	
E2.10A	BASEMENT FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.10B	BASEMENT FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.11A	GROUND FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.11B	GROUND FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.12A	SECOND FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.12B	SECOND FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.13A	THIRD FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.13B	THIRD FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.14A	FOURTH FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.14B	FOURTH FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.15A	FIFTH FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.15B	FIFTH FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.16A	SIXTH FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.16B	SIXTH FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.17A	SEVENTH FLOOR POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.17B	SEVENTH FLOOR POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.18A	PENTHOUSE POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.18B	PENTHOUSE POWER AND SYSTEMS PLAN AREA B	1/11/11	
E2.19A	ROOF POWER AND SYSTEMS PLAN AREA A	1/11/11	
E2.19B	ROOF POWER AND SYSTEMS PLAN AREA B	1/11/11	
E4.00	POWER DISTRIBUTION RISER DIAGRAM 1	1/11/11	
E4.01	POWER DISTRIBUTION RISER DIAGRAM 2	1/11/11	
E4.02	POWER DISTRIBUTION RISER DIAGRAM 3	1/11/11	
E4.03	GROUNDING SYSTEM RISER DIAGRAM	1/11/11	
E4.04	LIGHTING CONTROL SYSTEM RISER DIAGRAM	1/11/11	
E4.05	IT MAIN DISTRIBUTION RACEWAYS RISER DIAGRAM	1/11/11	
E4.06	AREA OF RESCUE ASSISTANCE SYSTEM RISER DIAGRAM	1/11/11	
	VIDEO INTERCOM ACCESS CONTROL AND INTERCOM SYSTEMS RISER		
E4.07	DIAGRAMS	1/11/11	
E4.08	FIRE ALARM SYSTEM RISER DIAGRAM	1/11/11	
E4.09	INTERCOM AND CLOCK SYSTEM RISER DIAGRAM	1/11/11	
	VIDEO INTERCOM ACCESS CONTROL INTERCOM, ROOF ANTENNA		
E4.10	SYSTEMS RISER DIAGRAMS	1/11/11	
E4.11	FIRE ALARM SYSTEM RISER DIAGRAM 1	1/11/11	
E4.12	FIRE ALARM SYSTEM RISER DIAGRAM 2	1/11/11	
E4.13	INTRUSION DETECTION SYSTEM RISER DIAGRAM	1/11/11	
E4.14	LIGHTING CONTRL SYSTEM RISER DIAGRAM	1/11/11	
E5.00	CLASSROOM TYPICAL IT CONCENTRATOR DETAILS	1/11/11	1/28/11
E5.01	ELECTRICAL DETAILS 2	1/11/11	
E5.02	ELECTRICAL DETAILS 3	1/11/11	
E5.03	ELECTRICAL DETAILS 4	1/11/11	
E5.04	ELECTRICAL DETAILS 5	1/11/11	

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E5.05	ELECTRICAL DETAILS 6	1/11/11	
E5.06	ELECTRICAL DETAILS 7	1/11/11	
E5.07	ELECTRICAL DETAILS 8	1/11/11	
E5.08	ELECTRICAL DETAILS 9	1/11/11	
E5.09	ELECTRICAL DETAILS 10	1/11/11	
E5.10	ELECTRICAL DETAILS 11	1/11/11	
E5.11	ELECTRICAL DETAILS 12	1/11/11	
E5.12	ELECTRICAL DETAILS 13	1/11/11	
E5.13	ELECTRICAL DETAILS 14	1/11/11	
E6.00	LIGHTING FIXTURE SCHEDULE	1/11/11	
E6.01	LIGHTING CONTROL SCHEDULES	1/11/11	
E6.02	ELECTRICAL EQUIPMENT SCHEDULES 1	1/11/11	
E6.03	ELECTRICAL EQUIPMENT SCHEDULES 2	1/11/11	
E6.04	ELECTRICAL EQUIPMENT SCHEDULES 3	1/11/11	
E6.05	ELECTRICAL EQUIPMENT SCHEDULES 3	1/11/11	
E6.06	AUDITORIUM LIGHTING FIXTURE SCHEDULE	1/11/11	
E6.07	ELECTRICAL PANEL SCHEDULES 1	1/11/11	
E6.08	ELECTRICAL PANEL SCHEDULES 2	1/11/11	
E6.09	ELECTRICAL PANEL SCHEDULES 3	1/11/11	
E6.10	ELECTRICAL PANEL SCHEDULES 4	1/11/11	
E6.11	ELECTRICAL PANEL SCHEDULES 5	1/11/11	
E6.12	ELECTRICAL PANEL SCHEDULES 6	1/11/11	
E6.13	ELECTRICAL PANEL SCHEDULES 7	1/11/11	
E6.14	ELECTRICAL PANEL SCHEDULES 8	1/11/11	
E6.15	ELECTRICAL PANEL SCHEDULES 9	1/11/11	
E6.16	ELECTRICAL PANEL SCHEDULES 10	1/11/11	
E6.17	ELECTRICAL PANEL SCHEDULES 11	1/11/11	
E6.18	ELECTRICAL PANEL SCHEDULES 12	1/11/11	
E6.19	ELECTRICAL PANEL SCHEDULES 13	1/11/11	
E6.20	ELECTRICAL PANEL SCHEDULES 14	1/11/11	
E6.21	ELECTRICAL PANEL SCHEDULES 15	1/11/11	
E7.00	ELECTRICAL ROOMS PARTIAL PLANS 1	1/11/11	
E7.01	ELECTRICAL ROOMS PARTIAL PLANS 2	1/11/11	
E7.02	ELECTRICAL ROOMS PARTIAL PLANS 3	1/11/11	
E7.03	ELECTRICAL STAIR LIGHTING PLAN AND SECTIONS 1	1/11/11	
E7.04	ELECTRICAL STAIR LIGHTING PLAN AND SECTIONS 2	1/11/11	
E7.05	STAGE LIGHTING SYSTEM COVER SHEET	1/11/11	
E7.06	STAGE LIGHTING FIRST FLOOR LIGHTING LAYOUT	1/11/11	
E7.07	STAGE LIGHTING FIRST FLOOR LIGHTING RCP LAYOUT	1/11/11	
E7.08	STAGE LIGHTING FIRST FLOOR PANEL LAYOUT	1/11/11	
E7.09	STAGE LIGHTING FIRST FLOOR POWER LAYOUT	1/11/11	
E7.10	STAGE LIGHTING BALCONY LEVEL LIGHTING LAYOUT	1/11/11	
E7.11	STAGE LIGHTING BALCONY LEVEL LIGHTING RCP LAYOUT	1/11/11	
E7.12	STAGE LIGHTING BALCONY LEVEL PANEL LAYOUT	1/11/11	

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E7.13	STAGE LIGHTING BALCONY LEVEL POWER LAYOUT	1/11/11	
E7.14	STAGE LIGHTING CATWALK LEVEL LIGHTING LAYOUT	1/11/11	
E7.15	STAGE LIGHTING CATWALK LEVEL LIGHTING RCP LAYOUT	1/11/11	
E7.16	STAGE LIGHTING CATWALK LEVEL PANEL LAYOUT	1/11/11	
E7.17	STAGE LIGHTING CATWALK LEVEL POWER LAYOUT	1/11/11	
E7.18	STAGE LIGHTING GRIDIRON LEVEL LIGHTING LAYOUT	1/11/11	
E7.19	STAGE LIGHTING GRIDIRON LEVEL LIGHTING RCP LAYOUT	1/11/11	
E7.20	STAGE LIGHTING GRIDIRON LEVEL PANEL LAYOUT	1/11/11	
E7.21	STAGE LIGHTING GRIDIRON LEVEL POWER LAYOUT	1/11/11	
ES1.10	ELECTRICAL SITE PLAN	1/11/11	1/28/11
EU.1A	UNDERGROUND ELECTRICAL CONDUITS ROUTING PLAN AREA A	1/11/11	1/28/11
EU.1B	UNDERGROUND ELECTRICAL CONDUITS ROUTING PLAN AREA B	1/11/11	1/28/11
<u>FIRE PROTECTION</u>			
FPO.10	FIRE PROTECTION NOTES, ABBREVIATIONS AND SYMBOLS	1/11/11	
FPO.20	FIRE PROTECTION SCHEDULES	1/11/11	
FP1.00	FIRE PROTECTION BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
FP1.01	FIRE PROTECTION SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
FP1.02	FIRE PROTECTION FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
FP1.03	FIRE PROTECTION SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
FP1.04	FIRE PROTECTION PENTHOUSE FLOOR PLAN + PENTHOUSE ROOF PLAN	1/11/11	
FP1.10A	BASEMENT FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.10B	BASEMENT FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.11A	GROUND FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.11B	GROUND FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.12A	SECOND FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.12B	SECOND FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.13A	THIRD FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.13B	THIRD FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.14A	FOURTH FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.14B	FOURTH FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.15A	FIFTH FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.15B	FIFTH FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.16A	SIXTH FLOOR POWER FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.16B	SIXTH FLOOR POWER FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.17A	SEVENTH FLOOR FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.17B	SEVENTH FLOOR FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.18A	PENTHOUSE FIRE PROTECTION PLAN - AREA A	1/11/11	
FP1.18B	PENTHOUSE FIRE PROTECTION PLAN - AREA B	1/11/11	
FP1.19A	ROOF FIRE PROTECTION PLAN AREA A	1/11/11	
FP1.19B	ROOF FIRE PROTECTION PLAN AREA B	1/11/11	
FP2.00	FIRE PROTECTION RISER DIAGRAM	1/11/11	
FP3.00	FIRE PROTECTION DETAILS	1/11/11	

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FOOD SERVICE			
FS1.01	FOODSERVICE EQUIPMENT PLAN AND SCHEDULE	1/11/11	
FS1.02	FOODSERVICE EQUIPMENT MECHANICAL SPOT CONNECTION PLAN	1/11/11	
FS1.03	FOODSERVICE EQUIPMENT ELECTRICAL SPOT CONNECTION PLAN	1/11/11	
FS1.04	FOODSERVICE EQUIPMENT SPECIAL CONDITIONS PLAN	1/11/11	
FS1.05	FOODSERVICE EQUIPMENT UTILITY LOAD SCHEDULE	1/11/11	
FS2.01	FOODSERVICE EQUIPMENT VENTILATION DETAILS	1/11/11	
FS2.02	FOODSERVICE EQUIPMENT VENTILATION DETAILS	1/11/11	
THEATER			
SKE-0.1	STAGE LIGHTING SYSTEM - COVER SHEET	1/11/11	
SKE-0.2	STAGE LIGHTING SYSTEM - FIXTURE SCHEDULE	1/11/11	
SKE-0.3	STAGE LIGHTING SYSTEM - FIXTURE SCHEDULE	1/11/11	
SKE-1.1A	STAGE LIGHTING - FIRST FLOOR LIGHTING LAYOUT	1/11/11	
SKE-1.1B	STAGE LIGHTING - FIRST FLOOR LIGHTING RCP LAYOUT	1/11/11	
SKE-1.2	STAGE LIGHTING - FIRST FLOOR PANEL LAYOUT	1/11/11	
SKE-1.3	STAGE LIGHTING - FIRST FLOOR POWER LAYOUT	1/11/11	
SKE-2.1A	STAGE LIGHTING - BALCONY LEVEL LIGHTING LAYOUT	1/11/11	
SKE-2.1B	STAGE LIGHTING - BALCONY LEVEL LIGHTING RCP LAYOUT	1/11/11	
SKE-2.2	STAGE LIGHTING - BALCONY LEVEL PANEL LAYOUT	1/11/11	
SKE-2.3	STAGE LIGHTING - BALCONY LEVEL POWER LAYOUT	1/11/11	
SKE-3.1A	STAGE LIGHTING - CATWALK LEVEL LIGHTING LAYOUT	1/11/11	
SKE-3.1B	STAGE LIGHTING - CATWALK LEVEL LIGHTING RCP LAYOUT	1/11/11	
SKE-3.2	STAGE LIGHTING - CATWALK LEVEL PANEL LAYOUT	1/11/11	
SKE-3.3	STAGE LIGHTING - CATWALK LEVEL POWER LAYOUT	1/11/11	
SKE-4.1A	STAGE LIGHTING - GRIDIRON LEVEL LIGHTING LAYOUT	1/11/11	
SKE-4.1B	STAGE LIGHTING - GRIDIRON LEVEL LIGHTING RCP LAYOUT	1/11/11	
SKE-4.2	STAGE LIGHTING - GRIDIRON LEVEL PANEL LAYOUT	1/11/11	
SKE-4.3	STAGE LIGHTING - GRIDIRON LEVEL POWER LAYOUT	1/11/11	
SKE-0.1	STAGE LIGHTING SYSTEM - COVER SHEET	1/11/11	
TE0.01	THEATRE DIMMING SYSTEM - ONE-LINE DIAGRAM	1/11/11	
TE0.03	STAGE DIMMING SYSTEM - SCHEDULES	1/11/11	
TE0.04	STAGE DIMMING SYSTEM - SCHEDULES	1/11/11	
TE1.11	STAGE DIMMING SYSTEM - FACEPLATE DETAILS	1/11/11	
TE1.12	STAGE DIMMING SYSTEM - FACEPLATE DETAILS	1/11/11	
TE1.13	STAGE DIMMING SYSTEM - FACEPLATE DETAILS	1/11/11	
TH1.11	STAGE RIGGING SYSTEM - PLAN VIEW STANDARD SETS	1/11/11	
TH1.12	STAGE RIGGING SYSTEM - PLAN VIEW ORCHESTRA	1/11/11	
TH2.11	STAGE RIGGING SYSTEM - LONGITUDINAL SECTION	1/11/11	
TH2.12	STAGE RIGGING SYSTEM - LONGITUDINAL SECTION	1/11/11	
TH2.13	STAGE RIGGING SYSTEM - SCHEDULES	1/11/11	
TH3.11	STAGE RIGGING SYSTEM - TRANSVERSE SECTION	1/11/11	
TH3.12	STAGE RIGGING SYSTEM - TRANSVERSE SECTION	1/11/11	
TH3.13	STAGE RIGGING SYSTEM - TRANSVERSE SECTION	1/11/11	

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TH4.11	STAG RIGGING SYSTEM – ORCHESTRA PLATFORMS	1/11/11	
<u>AUDIO/VISUAL</u>			
EA0.00	GENERAL NOTES	1/11/11	
EA0.01	AUDIO & VIDEO SYSTEM TERMINATION SCHEDULE	1/11/11	
EA0.02	AUDIO & VIDEO SYSTEM TERMINATION SCHEDULE	1/11/11	
EA1.00	BASEMENT FLOOR PLAN + GROUND FLOOR PLAN	1/11/11	
EA1.01	SECOND FLOOR PLAN + THIRD FLOOR PLAN	1/11/11	
EA1.02	FOURTH FLOOR PLAN + FIFTH FLOOR PLAN	1/11/11	
EA1.03	SIXTH FLOOR PLAN + SEVENTH FLOOR PLAN	1/11/11	
EA1.11B	GROUND FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA B	1/11/11	
EA1.12A	SECOND FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA A	1/11/11	
EA1.12B	SECOND FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA B	1/11/11	
EA1.12C	CATWALK AUDI & VIDEO DEVICE LOCATION PLAN AREA B	1/11/11	
EA1.13A	THIRD FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA A	1/11/11	
EA1.13B	THIRD FLOOR AUDIO & VISUAL DEVICE LOCATION PLAN AREA B	1/11/11	
EA1.16B	SIXTH FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA B	1/11/11	
EA1.17A	SEVENTH FLOOR AUDIO & VIDEO DEVICE LOCATION PLAN AREA A	1/11/11	
EA2.11A	GROUND FLOOR AUDIO & VIDEO DEVICE RCP AREA A	1/11/11	
EA2.11B	GROUND FLOOR AUDIO & VIDEO DEVICE LOCATION RCP AREA B	1/11/11	
EA2.12A	SECOND FLOOR AUDIO & VIDEO DEVICE RCP AREA A	1/11/11	
EA2.12B	SECOND FLOOR AUDIO 7 VIDEO DEVICE RCP AREA B	1/11/11	
EA2.13A	THIRD FLOOR AUDIO & VIDEO DEVICE RCP AREA A	1/11/11	
EA2.13B	THIRD FLOOR AUDIO & VIDEO DEVICE RCP AREA B	1/11/11	
EA2.16B	SIXTH FLOOR AUDIO & VIDEO DEVICE RCP AREA B	1/11/11	
EA2.17A	SEVENTH FLOOR AUDIO & VIDEO DEVICE RCP AREA A	1/11/11	
EA3.01	AUDITORIUM AUDIO SYSTEM SIGNAL FLOW	1/11/11	
EA3.02	AUDITORIUM VIDEO SYSTEM SIGNAL FLOW	1/11/11	
EA3.03	AUDITORIUM DATA AND CONTROL SIGNAL FLOW	1/11/11	
EA3.04	AUDITORIUM PAGING SYSTEM SIGNAL FLOW	1/11/11	
EA3.05	LOBBY AND BACK-OF-HOUSE SYSTEM SIGNAL FLOWS	1/11/11	
EA3.06	STUDENT DINING, FITNESS, AND NATATORIUM SYSTEM SIGNAL FLOWS	1/11/11	
EA4.01	AUDIO & VIDEO SYSTEM PANEL DETAILS	1/11/11	
EA4.02	AUDIO & VIDEO SYSTEM PANEL DETAILS	1/11/11	
EA4.03	AUDIO & VIDEO SYSTEM PANEL DETAILS	1/11/11	
EA5.01	AUDIO & VIDEO SYSTEM RACK ELEVATIONS	1/11/11	
EA6.11A	GROUND FLOOR AUDIO & VIDEO DEVICE EQUIPMENT LAYOUTS AREA A	1/11/11	
EA6.12A	SECOND FLOOR AUDIO & VIDEO DEVICE EQUIPMENT LAYOUTS AREA A	1/11/11	
EA6.12B	SECOND FLOOR AUDIO & VIDEO DEVICE EQUIPMENT LAYOUTS AREA B	1/11/11	
EA6.13A	THIRD FLOOR VIDEO PROJECTION LAYOUT AREA A	1/11/11	
EA6.13B	THIRD FLOOR VIDEO PROJECTION LAYOUT AREA B	1/11/11	
EA6.14A	FOURTH FLOOR VIDEO PROJECTION LAYOUT AREA A	1/11/11	
EA6.14B	FOURTH FLOOR VIDEO PROJECTION LAYOUT AREA B	1/11/11	
EA6.15A	FIFTH FLOOR VIDEO PROJECTION LAYOUT AREA A	1/11/11	

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EA6.15B	FIFTH FLOOR VIDEO PROJECTION LAYOUT AREA B	1/11/11	
EA6.16A	SIXTH FLOOR VIDEO PROJECTION LAYOUT AREA A	1/11/11	
EA6.16B	SIXTH FLOOR VIDEO PROJECTION LAYOUT AREA B	1/11/11	
EA7.01	AUDITORIUM LOUDSPEAKER VIEWS - PLAN	1/11/11	
EA7.02	AUDITORIUM LOUDSPEAKER AND PROJECTION VIEWS - SECTION	1/11/11	
EA7.03	NATATORIUM LOUDSPEAKER VIEWS - PLAN	1/11/11	
EA7.04	NATATORIUM LOUDSPEAKER VIEWS - SECTION	1/11/11	
EA8.01	AUDIO & VIDEO MOUNTING DETAILS	1/11/11	
EA8.03	AUDIO & VIDEO MOUNTING DETAILS	1/11/11	
<u>AQUATIC POOL</u>			
<u>DESIGN</u>			
AP1.00	POOL LAYOUT	1/11/11	
AP2.00	POOL DIMENSIONS	1/11/11	
AP3.00	DECK DRAIN LAYOUT AND POOL AND DECK EQUIPMENT	1/11/11	
AP4.00	POOL SECTIONS	1/11/11	
AP5.00	POOL SECTIONS	1/11/11	
AP6.00	DETAILS	1/11/11	
AP7.00	DETAILS	1/11/11	
AP8.00	DETAILS	1/11/11	
AP9.00	DETAILS	1/11/11	
AP10.00	EQUIPMENT DETAILS	1/11/11	
AP11.00	POOL PIPING	1/11/11	
AP12.00	EQUIPMENT ROOM LAYOUT AND EQUIPMENT DETAILS	1/11/11	
AP13.00	PIPING ISOMETRIC	1/11/11	
<u>TECHNICAL SPECIFICATIONS: VOLUME 1, BOOK 3</u>			
<u>DIVISION 00</u>			
<u>INTRODUCTORY INFORMATION</u>			
00110	Table of Contents	1/11/11	1/28/11
00200	Information Available to Bidders		1/12/11
<u>DIVISION 01</u>			
<u>GENERAL REQUIREMENTS</u>			
01001	LEED Consultant	1/11/11	
01014	Erosion Sedimentation Control	1/11/11	
01040	Coordination, Commissioning Authority & General Requirements	1/11/11	
01100	Commissioning Requirements	1/11/11	
01130	Delegated Design	1/11/11	
01300	Submittals		1/12/11
01331	Cx Commissioning Requirements	1/11/11	
01332	Cx Submittal Procedures	1/11/11	
01352	Cx LEED Requirements	1/11/11	
01400	Quality Control Procedures and Product Standards		1/12/11

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01410	General Acoustical Considerations		1/12/11
01454	Performance Testing for Exterior Wall Systems	1/11/11	
01524	Construction Waste Management LEED	1/11/11	1/12/11
01730	Operating and Maintenance Data		1/12/11
01731	Cx Operations and Maintenance Data	1/11/11	
01740	Warranties		1/12/11
01783	Cx Project Record Documents	1/11/11	
01784	Cx Operation and Maintenances	1/11/11	
01800	Project Record Documents		1/12/11
01810	Cx Process	1/11/11	
01811	Cx Pre-functional Checklists	1/11/11	
01812	Cx Functional Performance Testing	1/11/11	
01821	Cx Demonstration & Training	1/11/11	
01836	General Requirements for Exterior Wall Systems	1/11/11	
<u>DIVISION 2</u>			
<u>SITE CONSTRUCTION</u>			
02010	Summary of Existing Site Conditions	1/11/11	
02050	Site Work Demolition	1/11/11	
02116	Underground Storage Tank Removal	1/11/11	
02222	Excavating, Backfilling & Compacting for Utilities	1/11/11	
02300	Earthwork	1/11/11	
02315	Clean Construction or Demolition Debris and Uncontaminated Soil Removal		2/16/11
02316	Contaminated Soil, General Construction & Demolition Debris Disposal	1/11/11	
02317	Special and Hazardous Waste Disposal	1/11/11	
02318	Acceptance of Backfill, Top Soil & Cu Structural Soil	1/11/11	
02466	Drilled Piers	1/11/11	
02511	Hot Mix Asphalt Paving	1/11/11	
02513	Portland Cement Concrete Paving	1/11/11	
02700	Sewerage and Drainage	1/11/11	
02707	Water Service	1/11/11	
02870	Site Furnishings	1/11/11	
02900	Landscaping	1/11/11	
02901	CU Structural Soil	1/11/11	
<u>DIVISION 03</u>			
<u>CONCRETE</u>			
03300	Cast-In-Place Concrete	1/11/11	
03371	Resiliently Supported Concrete Floor Systems	1/11/11	
03451	Precast Architectural Concrete	1/11/11	
03455	Glass Fiber Reinforced Concrete Units	1/11/11	
<u>DIVISION 04</u>			
<u>MASONRY</u>			
04200	Unit Masonry	1/11/11	

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<u>DIVISION 05</u>			
<u>METALS</u>			
05120	Structural Steel	1/11/11	
05210	Steel Joists	1/11/11	
05311	Steel Roof Deck	1/11/11	
05312	Steel Floor Deck	1/11/11	
05400	Cold Formed Metal Framing	1/11/11	
05500	Metal Fabrications	1/11/11	
05721	Glass Railing System	1/11/11	
05810	Expansion Joint Assemblies	1/11/11	
<u>DIVISION 06</u>			
<u>WOOD, PLASTICS & COMPOSITES</u>			
06101	Carpentry	1/11/11	
06110	Gypsum Sheathing	1/11/11	
06400	Architectural Woodwork	1/11/11	
06401	Modular Casework LEED	1/11/11	
<u>DIVISION 07</u>			
<u>THERMAL AND MOISTURE PROTECTION</u>			
07131	Self-Adhering (HDPE) Sheet Waterproofing	1/11/11	
07163	Water Detention Tank – PVC Sheet Liner Membrane	1/11/11	
07270	Fluid-Applied Air and Vapor Barriers	1/11/11	
07210	Building Insulation	1/11/11	
07219	Foamed In-Place Thermal Insulation	1/11/11	
07413	Preformed Metal Roofing System	1/11/11	
07415	Composite Metal Panel System	1/11/11	
07416	Preformed Metal Wall Panels	1/11/11	
07561	Hot Fluid Applied Protected Roof System	1/11/11	
07570	Traffic Coatings	1/11/11	
07620	Flashing and Sheet Metal	1/11/11	
07700	Roof Accessories	1/11/11	
07811	Sprayed Fire-Resistive Materials	1/11/11	
07816	Sprayed Intumescent Mastic Fire-Resistive Material	1/11/11	
07841	Through-Penetration Firestop Systems	1/11/11	
07843	Fire Resistive Joint Systems	1/11/11	
07845	Building Perimeter Seals and Safing	1/11/11	
07900	Joint Sealers and Acoustical Seals	1/11/11	
07920	Acoustical Sealant	1/11/11	
<u>DIVISION 08</u>			
<u>DOORS AND WINDOWS</u>			
08110	Steel Doors and Frames	1/11/11	
08117	Aluminum Terrace Doors	1/11/11	
08211	Interior Flush Wood Doors	1/11/11	
08312	Access Doors and Frames	1/11/11	
08331	Overhead Coiling Counter Doors	1/11/11	

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08332	Overhead Coiling Doors	1/11/11	
08334	Overhead Coiling Grills	1/11/11	
08335	Overhead Insulated Coiling Doors	1/11/11	
08380	Acoustically Rated Door Assemblies	1/11/11	
08411	Aluminum Entrances and Framing	1/11/11	
08710	Door Hardware	1/11/11	
08716	Automatic Door Operators	1/11/11	
08800	Glazing	1/11/11	
08910	Aluminum Curtain Wall	1/11/11	
<u>DIVISION 09</u>	<u>FINISHES</u>		
09220	Cement Plaster	1/11/11	
09260	Gypsum Board Systems	1/11/11	
09270	Drywall Shaft Systems	1/11/11	
09271	Glass-Reinforced Gypsum Fabrications	1/11/11	
09300	Tile	1/11/11	
09410	Terrazzo	1/11/11	
09510	Acoustical Ceilings	1/11/11	
09644	Wood Gymnasium Floor	1/11/11	
09647	Wood Dance and Wrestling Floor	1/11/11	
09648	Wood Stage Floor	1/11/11	
09654	Linoleum Flooring	1/11/11	
09667	Resilient Athletic Flooring	1/11/11	
09668	Rubber Flooring	1/11/11	
09678	Resilient Wall Base and Accessories	1/11/11	
09680	Carpeting	1/11/11	
09705	Resinous Flooring	1/11/11	
09710	Fabric-Wrapped Sound-Absorbing Panels	1/11/11	
09841	Acoustical Wall Panels	1/11/11	
09910	LEED Finish Painting	1/11/11	
<u>DIVISION 10</u>	<u>SPECIALTIES</u>		
10101	Visual Display Units	1/11/11	
10155	Toilet Compartments	1/11/11	
10200	Louvers	1/11/11	
10350	Flagpoles	1/11/11	
10425	Metal Letters	1/11/11	
10431	Exterior Signs	1/11/11	
10433	Interior Signage	1/11/11	
10434	Exterior Emergency Signs	1/11/11	
10501	Metal Lockers	1/11/11	
10521	Installation of Fire Extinguisher Cabinets	1/11/11	
10522	Fire Extinguishers, Cabinets and Accessories	1/11/11	
10605	Wire Mesh Partitions	1/11/11	

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10610	Folding Security Gates	1/11/11	
10651	Operable Panel Partitions	1/11/11	
10801	Toilet Accessories	1/11/11	
<u>DIVISION 11</u>			
	<u>EQUIPMENT</u>		
11062	Rigging, Curtains and Tracks	1/11/11	
11063	Orchestra Acoustical Enclosure	1/11/11	
11161	Recessed Dock Levelers	1/11/11	
11172	Waste Compactors	1/11/11	
11400	Food Service Equipment	1/11/11	
11483	Gym Divider	1/11/11	
11484	Basketball Backstops	1/11/11	
11490	Gym Equipment	1/11/11	
11555	Theatrical Luminaries and Accessories	1/11/11	
11610	Laboratory Fume Hoods	1/11/11	
<u>DIVISION 12</u>			
	<u>FURNISHINGS</u>		
12348	Wood Laboratory Casework	1/11/11	
12485	Foot Grilles	1/11/11	
12500	Window Treatment – Shades	1/11/11	
12503	Motorized Shades	1/11/11	
12610	Fixed Audience Seating	1/11/11	
12660	Telescoping Stands	1/11/11	
12731	Aluminum Plant Seating	1/11/11	
<u>DIVISION 13</u>			
	<u>SPECIAL CONSTRUCTION</u>		
13150	Swimming Pool and Equipment	1/11/11	
13156	Aquatic Timing Systems and Display Systems	1/11/11	
<u>DIVISION 14</u>			
	<u>CONVEYING EQUIPMENT</u>		
14210	MRL Passenger Elevators	1/11/11	
14241	Hydraulic Passenger Elevators	1/11/11	
<u>DIVISION 15</u>			
	<u>VOLUME 2, BOOK 3</u>		
	<u>MECHANICAL</u>		
15010	General Provisions for Mechanical Work	1/11/11	
15020	Shop Drawings, Product Data and Samples	1/11/11	
15050	Basic Mechanical Materials and Methods	1/11/11	
15055	Motors	1/11/11	
15060	Hangers and Supports	1/11/11	
15073	Vibration Controls for Plumbing Piping and Equipment	1/11/11	
15074	Vibration Controls for HVAC Piping and Equipment	1/11/11	
15076	Identification for Plumbing Piping and Equipment	1/11/11	
15077	Identification for HVAC Piping and Equipment	1/11/11	

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15082	Plumbing Insulation	1/11/11	
15083	HVAC Insulation	1/11/11	
15110	Valves	1/11/11	
15124	Expansion Fittings and Loops or HVAC Piping	1/11/11	
15127	Meters and Gages for HVAC Piping	1/11/11	
15140	Domestic Water Piping	1/11/11	
15145	Domestic Water Piping Specialties	1/11/11	
15150	Sanitary Waste and Vent Piping	1/11/11	
15155	Drainage Piping Specialties	1/11/11	
15160	Storm Drainage Piping	1/11/11	
15181	Hydronic Piping	1/11/11	
15183	Refrigerant Piping	1/11/11	
15185	Hydronic Pumps	1/11/11	
15189	HVAC Water Treatment	1/11/11	
15195	Natural Gas Piping	1/11/11	
15240	Mechanical Vibration Control	1/11/11	
15305	Fire Suppression Piping	1/11/11	
15320	Electric-Drive, Centrifugal Fire Pumps	1/11/11	
15410	Plumbing Fixtures	1/11/11	
15415	Rainwater Harvesting	1/28/11	
15441	Domestic Water Pumps	1/11/11	
15444	Packaged Booster Pumps	1/11/11	
15445	Sewage Pumps	1/11/11	
15446	Sump Pumps	1/11/11	
15486	Fuel-Fired Water Heaters	1/11/11	
15513	Condensing Boilers	1/11/11	
15550	Breechings, Chimneys, and Stacks	1/11/11	
15625	Centrifugal Water Chillers	1/11/11	
15635	Refrigerant Detection Alarm	1/11/11	
15640	Cooling Towers	1/11/11	
15725	Modular Indoor Air Handling Units	1/11/11	
15736	Self Contained AC Unit (12.5 tons and smaller)	1/11/11	
15761	Air Coils	1/11/11	
15764	Finned Tube Radiation	1/11/11	
15766	Cabinet Unit Heaters	1/11/11	
15767	Propeller Unit Heaters	1/11/11	
15769	Radiant Heating Panels	1/11/11	
15815	Metal Ducts	1/11/11	
15820	Duct Accessories	1/11/11	
15836	Axial Fans	1/11/11	
15837	Centrifugal Fans	1/11/11	
15838	Power Ventilators	1/11/11	
15840	Air Terminal Units	1/11/11	
15855	Diffusers, Registers, and Grilles	1/11/11	

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15856	Intake and Relief Ventilators	1/11/11	
15861	Air Filters	1/11/11	
15950	BAS Building Automation System	1/11/11	
15951	BAS Basic Materials, Interface Devices and Sensors	1/11/11	
15952	BAS Operator Interfaces	1/11/11	
15953	BAS Field Panels	1/11/11	
15954	BAS Communication Devices	1/11/11	
15955	BAS Software and Programming	1/11/11	
15958	Sequence of Operation	1/11/11	
15959	BAS System Commissioning	1/11/11	
15965	Variable Frequency Controllers (Drives)	1/11/11	
15990	Testing, Adjusting, and Balancing	1/11/11	
<u>DIVISION 16</u>	<u>ELECTRICAL</u>		
16010	Basic Electrical Requirements	1/11/11	
16050	Basic Electrical Materials and Methods	1/11/11	
16055	Overcurrent Protective Device Coordination and ARC Flash Study	1/11/11	
16060	Grounding and Bonding	1/11/11	
16075	Electrical Identification	1/11/11	
16120	Conductors and Cables	1/11/11	
16130	Raceways and Boxes	1/11/11	
16140	Wiring Devices	1/11/11	
16145	Lighting Control Devices	1/11/11	
16190	Hangers and Supports for Electrical Systems	1/11/11	
16211	Electricity Metering	1/11/11	
16240	Electrical System Vibration Isolation	1/11/11	
16289	Transient Voltage Suppression	1/11/11	
16410	Enclosed Switches and Circuit Breakers	1/11/11	
16415	Transfer Switches	1/11/11	
16420	Enclosed Controllers	1/11/11	
16441	Switchboards	1/11/11	
16442	Panelboards	1/11/11	
16461	Low-Voltage Transformers	1/11/11	
16491	Fuses	1/11/11	
16511	Interior Lighting	1/11/11	
16521	Exterior Lighting	1/11/11	
16555	Theater Luminaries and Accessories	1/11/11	
16572	Modular Dimming Controls	1/11/11	
16621	Packaged Natural Gas Generator	1/11/11	
16720	Intrusion Detection System	1/11/11	
16721	Fire Alarm	1/11/11	
16726	Public Address and Music Equipment	1/11/11	
16750	Assisted Listening Device Systems	1/11/11	
16765	Rescue Assistance Systems	1/11/11	

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16881	Auditorium Audio and Video Systems Electrical Raceway	1/11/11	
16882	Auditorium Audio and Video Systems Clean Technical Power & Grounding	1/11/11	
16950	Testing	1/11/11	
<u>DIVISION 17</u>	<u>COMMUNICATIONS</u>		
17000	Audio & Video Systems for Auditorium, Natatorium, and Cafeteria	1/11/11	
17053	Identification for Communications Systems	1/11/11	
17100	Commissioning of Communications	1/11/11	
17200	Communications General Requirements	1/11/11	
17216	Cabinets, Racks and Enclosures	1/11/11	
17231	Backbone Cabling	1/11/11	
17232	Optical Fiber Backbone Cabling	1/11/11	
17250	Communications Horizontal Cabling	1/11/11	
17333	Data Communications Wireless Access Points	1/11/11	
17723	School Intercom, Master Clock Module and Program Equipment	1/11/11	
17780	Media Management TV System	1/11/11	

APPENDIX

LEED Version 2009 for Schools New Construction and Major Renovations
– Checklist

OTHER DOCUMENTS

1. Site Logistics Plan drawings including cover sheet, General GMR Requirements, GMR Checklist, SL-01 to SL-03, and LOG-00 to LOG-09, dated 11/12/10
2. Project Procedures Manual Version 2 dated 11/9/10
3. Community Hiring Map by the PBC dated 04/30/10
4. Additional Subsurface Exploration and Geotechnical Analysis, GSG Consultants, dated 06/08/09.
5. Supplemental subsurface exploration report as prepared by Ground Engineering Consultants, Inc. dated 11/23/10, 39 pages.
6. Appendix B from 2007 Geotechnical Report, specific to Vane Shear Test results for Borings B-6 and B-7 from GSG Consultants, Inc.
7. Ground Engineering Consultants, Inc. letter regarding Drilled Piers To Rock, dated 12/30/10, 3 pages.
8. Earth Retention Drawings ERS-1 to ERS-4 + Sequence description, prepared by Hayward Baker, dated 1/28/11, 4 pages.
9. Focused Site Investigation / Remedial Objective Report / Remedial Action Plan dated January 2011, prepared by Carnow

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- Conibear & Assoc., Ltd. ,272 pages.
10. 2005 Phase 1 Environmental Site Assessment for Pacific Garden Mission, prepared by Carnow, Conibear and Associates, Ltd., dated 9/21/2005, 204 pages.
 11. Limited Subsurface Investigation, prepared by Carnow, Conibear and Associates, Ltd dated 4/2/2007, 79 pages
 12. Focused Site Investigation, prepared by Carnow, Conibear and Associates, Ltd., dated 1/31/2008, 98 pages.



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This Subcontractor shall furnish all design engineering, labor, material, equipment and supervision as required to complete all Excavation work and related work items in accordance with the drawings, specifications and the Contract Documents.

It is understood that drawings and specifications are scope documents which indicate the general scope of the project, and as such, the drawings and specifications do not necessarily indicate or describe all work required for the full performance and completion of this work. All work required for Caissons as defined by the general scope shown on the documents is included. Subcontractor, therefore, must comprehend the full scope of work and anticipate all work reasonably inferable in the contract documents. Time is of the essence.

Definition of Work

1. Provide and install all excavation work in accordance with the contract documents, including but not limited to the following:
 - a. Excavation of all materials encountered from the existing sidewalk elevation to the final design elevations within the earth retention system enclosure zone. Excavation is included to the inside face of the ground retention system along the complete perimeter as required for the complete installation of the retention system and structural foundation system work including all grade beams, footings, mud sills and caisson caps. All Flutes, tops of walers and braces to be shovel clean (face of all sheets exposed with no loose soil material left in flutes).
 - b. Excavation & backfill for elevator pits and other lower slab elevations and slab elevation changes.
 - c. Machine and hand excavation & backfill as required for the grade beam located at column lines A14 to A15.
 - d. Machine and hand excavation required for the beam extensions from the east foundation walls to the A line caisson caps (ref. S1.11A, S1.11B, D113/S3.05)
 - e. Breakup and removal of all existing obstructions including concrete foundations and construction debris encountered in the excavation zones to the design excavation elevations is included. Note that the Below Grade Demolition subcontractor has potholed at all caisson locations and trenched at all retention system sheeting locations and has removed all foundation materials encountered at those locations. Removal of all other materials including concrete debris, wood piles, existing concrete footings and slabs, existing foundation walls and other construction debris is the responsibility of this subcontractor. Obstruction removal is defined as that type of obstruction which can be removed with a backhoe/ backhoe breaker or a similar piece of equipment and which occurs no deeper than the elevation at the underside of the grade beams
 - f. Sequencing of the excavation work in coordination with the ground retention system design and installation sequence which is included in the contract documents. Subcontractor shall include all excavation around walers and cross lot bracing using small machines and hand excavation where required.
 - g. Cleaning via means of pressure washing of all soil material from the inside face of the retention system sheeting to allow for the application of the waterproofing system. (*revised Add. #2*)
 - h. Trenching along the west property line to a depth of 4.5' below grade and the removal of any existing foundations or concrete debris encountered. Backfill trench with excavated material and bring to alley grade.
 - i. Trenching along the east property line to a depth of 2' below grade and the removal of any existing foundations or concrete debris encountered. Backfill trench with excavated material.
 - j. Excavation of material from the outside face of the retention system sheeting to the property line at the east and west perimeters as indicated on drawing RD-01. Removal of a minimum of 1' of soil as indicated is included as well as the installation of geotextile fabric and crushed CA-6 stone material.



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- k. Legal offsite disposal of all spoils and excavated materials. Subcontractor is permitted to dispose of clean underground concrete footings and remnants at a licensed concrete recycling facility. ~~All other material is to be considered Subtitle-D material and disposed of accordingly.~~ **Spill material disposal should follow instructions per drawing RD-01 and specifications 02315, 02316, and 02317. Subcontractors shall note that the Hillside Landfill is NOT an approved facility by the PBC. (revised Add. #1 & #4).**
- l. Excavation for man & material hoist foundation and tower crane foundation, **assume a 20' x 20' x 6' area.** The hoist foundation will be located near column line A10 and the crane foundation will be located south of caisson locations B9 and C9. Refer to Logistics Plans for locations. **(revised Add.#2)**
- m. Provide all compacted backfill materials as shown and specified.
- n. Removal of existing partially demolished brick wall to grade at the existing south wall of the Jones High School at the north site perimeter.
- o. Backfill with specified granular materials to specified compaction levels for all foundation work and site work indicated at all footings, foundations, foundation walls, pile caps, caisson caps, grade beams, elevator pits, mechanical/plumbing pits, basement slab on grade, ground floor slab on grade, exterior sidewalks, plaza, drives, and curbs. Machine grade and backfill as required to bring the project site and building areas to the finish elevations shown on the contract documents.
- p. Maintenance and relocation of the two construction ramps as required during the excavation period. Refer to Logistics Plan for locations. Final removal of rubble construction ramps by this Subcontractor, including removal of contaminated soil of ramp material.
- q. Dust and traffic control in accordance with City of Chicago requirements. **See also Item 4 included in this Exhibit B. (revised Add. #2).**
- r. **All layout and survey work required for excavation work. Main control lines as identified on the Bovis Logistics Plans, property lines, and benchmarks will be provided by a professional licensed surveyor by Others. This Subcontractor is responsible for all survey and layout work from points and lines given including any additional points required to complete this work. (revised Add. #2)**
- s. ~~Install jersey barriers and fencing for all active ramps. Detail as per logistics plan section. (Deleted per Add.#2)~~
- t. All required flagging is to be performed by certified flagger and by this subcontractor for his work.
- u. Install, relocate once and remove from the site jersey barriers to be installed along State, Polk and the Alley perimeters. Assume 6 month duration.
- v. The ERS subcontractor will provide the placement of all bottom level walers and bracing into the basement excavation zone. This subcontractor will provide for the lifting of these lower braces along the alley, the Northwest and southwest corners and the lower cross lot bracing west of the center pile using his excavating equipment for final setting by the ERS subcontractor. Assume 7500 lbs. for maximum lift and that the rigging will be furnished by ERS Contractor. **This Subcontractor may provide the following alternative in lieu of the above: Provide, install, and remove 30' x 30' crane pads for each required lift to service the west lower braces and waler installations, and access to and from street. (revised Add.#2).**
- w. Provide two (2) new 3" electric trash pumps turned over the Construction Manager for installation by others. **(revised Add. #2)**
- x. Provide all local dewatering for the installation of the earth retention system, foundation concrete and slab on grade installation. **MWRD permit will be provided by Underground Plumbing Subcontractor. (revised Add. #2).**



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- y. Subcontractors loaded equipment shall not exceed a load of 300 psf or equivalent along the site perimeters. If this load is exceeded, an engineered solution must be submitted by this subcontractor for review and approval by the earth retention system subcontractor.
 - z. Provide a 5' wide by 2' deep trench at the entire earth retention system sheeting line (approximately 1000'). Trenching to be provided immediately upon completion of the caisson installation work.
 - aa. Furnish 1" thick roadworthy, ventilated, steel plates for the CTA vent shaft. Plates need to be anchored, road worthy and vented. Plates to be left on site. *(revised Add. #2).*
 - bb. Under a separate mobilization, provide for excavation and backfill of same material (no export) around entire perimeter to expose top 4' of sheeting above grade. Top of sheeting to be cut and removed by Others. Bidders are to assume a 3' wide trench to a depth of 4'. *(revised Add. #1).*
2. Notwithstanding all other information/scope in the Contract Documents, it is understood that all Excavation work required by the Contract Documents is included in this Scope of Work, in its entirety, with the exception of the following list of specific exclusions:
- a. Removal of caisson spoils
 - b. Trenching and excavation work required for underground plumbing and electrical work. **Excavation for plumbing cistern is by Underground Plumbing Subcontractor. *(revised Add. #2).***
 - c. Underpinning of adjacent structures.
 - d. Base building and foundation permits.
 - e. Temporary retention systems for adjacent and/or existing properties and structures.
 - f. Structural soil required at planter and tree pit locations will be provided by the landscape subcontractor. **Excavation for tree pit soil not required by Excavation Subcontractor. *(revised Add. #2).***
 - g. **Construction Fence and screening. *(revised Add. #2).***
3. Demolition subcontractor will provide the following work and leave the site in the following manner at the conclusion of his work:
- a. Demolition of above ground structures and appurtenances.
 - b. Potholing and obstruction removal of all below grade structures encountered at caisson and sheeting locations in preparation for Earth Retention and Caisson installations. The Demolition subcontractor will provide potholing and obstruction removal to virgin soil levels at caisson locations as located on the contract documents.
 - c. Providing a level graded site with a slight 2' slope, sloping to sump locations. Two (2) sump pits with filter fabric and stone will be provided by the Demolition subcontractor. At the conclusion of demolition Caisson Subcontractor assumes responsibility and maintenance of sump pump equipment.
4. Subcontractor shall maintain the project site, sidewalks, plazas, streets, construction entrances and filter baskets free of debris and garbage, including daily sweeping of sidewalks and street throughout Excavation and Earth Retention activities.
5. Subcontractor has inspected the existing jobsite conditions and also includes for the site barricade, high drive configuration, and surrounding site conditions relative to the completion of the work, as per the Bovis Logistics Plans.
6. Subcontractor shall work sufficient hours to maintain his own and the Earth Retention Subcontractor's schedule, including coordinated work with the other trades that extend beyond a normal work day due to unforeseen conditions.
7. Provide all testing required by the Contract Document in the presence of the Architect/Engineer, Testing Laboratory, and the Contractor. Subcontractor shall not be entitled to any additional compensation due to the downtime experienced by specified testing procedures or during re-design time required due to encountering of an obstruction or unforeseen subsurface conditions unless this Subcontractor has completed all other available work.



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8. All escalation costs as required for the completion of the work are included.
9. Subcontractor shall comply with City of Chicago Municipal Code requirements.
10. Exercise extreme caution when working in or around existing utilities, air ducts, grates, etc. that are scheduled to remain.
11. This Subcontractor includes all applicable taxes, shipping tariffs, interstate commerce-related expenses, customs costs, duties, material, equipment and labor escalation, and currency differentials through project completion. Retail sales taxes however, shall not be included in the Bid Amount. Purchases of building materials for incorporation into this project are exempt from certain federal, state and local sales taxes and such taxes shall be omitted from the Contract Sum, unless otherwise directed by the Owner. The exemption does not, however, apply to tools, machinery, equipment or other property leased by Subcontractor or to supplies and material which, even though they are consumed, are not incorporated into the completed project. Subcontractors shall be responsible for and pay any and all applicable taxes, including sales and use taxes, on such leased tools, machinery, equipment, or other property and upon such unincorporated supplies and materials.
12. This Subcontractor includes preparation of work areas so as to allow for safe and efficient execution of work, including removal of water, ice, snow, etc. Subcontractor also includes preparation of all substrates, embedded plates/inserts including removal of minor debris, etc. as required for the proper installation of this Subcontractor's work. Commencement of work at a given location indicates acceptance of the substrate condition at that location.
13. The Work shall be furnished and installed in accordance with the Contract Documents. Any deviations from said Contract Documents shall require prior written approval from the Construction Manager. Any corrective work required as a result of unapproved deviations is the responsibility of this Subcontractor. This Subcontractor shall not perform any additional or unit price work without prior notifications to the Construction Manager, AND without authorization from the Construction Manager.
14. Boring and soil test data as indicated in the Geotechnical Engineering Report are for information only. Subcontractor acknowledges receipt and familiarity with the report.
15. Subcontractor to provide all temporary electric, water and lighting required for the completion of this work scope.
16. This Subcontractor recognizes the target participation levels of **45% MBE** and **8% WBE** for this trade package and will make a diligent effort to meet or exceed these targets. Attendance at compliance meetings and maintenance of records as well as the submittal of all required weekly, monthly and final compliance reports of minority and EEO participation as required by the Public Building Commission is included.
17. Subcontractor to provide the cost for Insurance for his work in accordance with the Contract Exhibit C Insurance requirements as part of his Contract D Contract Alternates. However, subcontractor shall include pollution liability coverage with limits not less than \$2,000,000 per occurrence as part of the base bid.
18. **This Subcontractor is responsible to provide all submittal requirements, including all environmental plans and backfill material analytical results as required in specifications 02316, 02317, and 02318. (revised Add. #2).**
19. **This Subcontractor is to provide a 1' deep stone working platform below subgrade elevation including excavation, disposal, geotextile fabric, and 12" of CA-1 stone over an area of 20,000 sf. Final locations to be determined by Construction Manager. Provide daily truck tickets to Construction Manager to verify stone quantities. (revised Add. #2).**
20. **This Subcontractor is to provide all soil erosion control measures per sheet C2.20 (issued 1/11/11) including filter basket for inlet protection, sediment barriers, inspections, and additional measures per soil erosion notes. The construction fence and screening is provided by Others. (revised Add. #2).**



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COORDINATION WITH OTHER TRADES

21. If Subcontractor disagrees with the report of the Soils Engineer that the furnished backfill materials are not in accordance with the Contract Documents, test may be conducted at the Subcontractor's expense to provide its acceptability. The Architect and Soils Engineer shall be the final judges of acceptability of the backfill materials.
22. Subcontractor has reviewed the ground retention guidelines and preliminary system design and includes all machine excavation work and sequencing associated with the retention system work.
23. Coordinate excavation and backfilling work to ensure that temporary support of the retention system is not damaged or moved by Subcontractor.
24. Include addition machines for the installation of concrete foundations concurrently with Earth Retention activities.
25. Coordinate with the earth retention system subcontractor to maintain sufficient soil surcharge against the perimeter sheeting walls until the retention system bracing has been installed adequately to accept imposed loads. Subcontractor shall take care not to damage the retention bracing supports during his excavation work.
26. All structural backfill placement and sequencing for all areas between the ground retention system and permanent concrete foundation walls is included and shall be carefully coordinated with Contractor. Structural backfill approved by the Architect shall be placed by Subcontractor in the required lifts. Subcontractor shall be responsible for tamping of backfilled material. Backfilling operation along the exterior perimeter of concrete foundation walls shall proceed only after approval from the Structural Engineer.
27. Closely coordinate all backfilling operations with Contractor and with other trades and/or testing agencies directly affected, including waterproofing, site utilities, soil testing services, concrete, ground retention, sheeting and caisson placement.
28. Excavation profiles shall allow sufficient working space for other trades, including that required for the Concrete Subcontractor's formwork.
29. Owner shall employ the services of a testing agency to perform all required shop and field inspections and testing. Subcontractor shall be responsible for coordination with the testing agency through Contractor to ensure that all required testing and inspections are performed.
30. Subcontractor is aware that other trades will be working on site and coordination and with other trades is required. Coordinate the on-site placement of material and/or tools & equipment within Contractor's Superintendent so as not to impeded any other subcontractors' operation that are working concurrently on the site. The designated storage place (if available) shall be kept neat and clean and all damaged thereto or to its surrounding shall be repaired by Subcontractor at no additional cost.
31. Subcontractor shall fully coordinate work with all other trades proceeding concurrently at the site, so that these trades are not caused unnecessary delay or additional work as a result of Subcontractor's operations; and to ensure a complete installation.
32. Comply with the City of Chicago work hour restrictions including an 8am work start.

SCHEDULE

33. This Subcontractor will adhere to the below schedule of milestone durations. The progress to meet those milestones will be of utmost importance. Exceeding a milestone duration will precipitate the issuance of a recovery plan by the Subcontractor and acceptable to the Construction Manager, so as to ensure corrections are made to meet the next milestone duration. In the event a second sequential milestone date is not achieved, the Construction Manager may, at its sole discretion, issue a prescribed recovery plan to be immediately implemented by the Subcontractor, until such time as the work complies with the intended duration.



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- | | |
|--|--|
| a. Target site mobilization for excavation | 6/10/2011 (rev. per Add. #3) |
| b. Earth Retention System – drive sheets to last brace install | 6/1/2011 – 9/7/2011 (rev. per Add. #3) |
| c. Complete all excavation work to subgrade- | 5 days after last ERS brace installation |

The actual construction start date will depend upon the receipt of building permits, OUC approval and Owner's authorization to proceed. Subcontractor will be ready to proceed with its work before, on, or after the above noted date.

34. This Subcontractor will be responsible for the detailed scheduling and phasing of its work, including provisions for adequate manpower, as required by the overall project schedule, coordination with preceding or subsequent trades, weather and other field conditions, unless otherwise directed by the Construction Manager. The effects of improper coordination by this Subcontractor with the other trades shall not be a cause for delay or loss of productivity claims by this Subcontractor.
35. This Subcontractor is to provide the necessary resources to adhere to the milestone dates and durations of the mutually agreed upon schedule as provided by the Construction Manager. This Subcontractor will add installation crews at the direction of the Construction Manager if required due to schedule deviations. Includes all overtime necessary to maintain job schedule under normal conditions as referenced in the above schedule durations due to work requirements, Subcontractor's negligence or inability to properly staff the project.
36. Subcontractor shall promptly submit to Construction Manager, for its approval, a schedule in Critical Path Method ("CPM") format using the precedence network technique and presented in bar line format supported by a CPM logic network and showing the order of precedence in which Subcontractor proposes to carry out the work; the inter-dependence, relationship, duration and critical path of all tasks to be undertaken in the performance of the work; all float time; all planned manpower loading; and all planned shift-work and overtime ("the Work Schedule"). The Work Schedule shall be developed from and shall be consistent with the Project Schedule, and shall incorporate all milestones shown thereon. In addition, the Work Schedule shall take into account all factors or risks affecting, or which may affect, the performance of the work. Float-time identified within the Work Schedule belongs to Construction Manager. Accordingly, Construction Manager may direct that float-time be utilized productively to advance performance of the associated task or event or other work involved in the project without any increase in the price or an extension of time to perform the work, including any milestone. Construction Manager's approval of the Work Schedule or any revisions thereto shall not be interpreted as an agreement that the Work or any task or event can be completed within the time allotted or within the time specified in the Subcontract, nor alter or waive Subcontractor's obligation to fully complete the work or any part thereof in accordance with the Project Schedule, milestones and within the subcontract time for completion.

Logistics

37. Attention is called to existing utilities. Exercise care to avoid damaging any existing utilities. This Subcontractor will be responsible for repairing, at no additional cost to this subcontract, any damage to existing utilities resulting from this Subcontractor's negligence. Utilities conflicting with caisson locations will be relocated by others.
38. The Subcontractor shall be responsible for any damage or destruction of utilities resulting from neglect, misconduct, or omission in this manner or method of execution of non-execution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility occurs as a result of the Subcontractor's work, the Subcontractor will immediately notify the utility company. Any costs incurred due to the above shall be paid by the Subcontractor.

**52089699 – WILLIAM JONES COLLEGE PREPARATORY HIGH SCHOOL
CHICAGO, ILLINOIS**



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39. This Subcontractor is to coordinate the on-site placement of any of its material and/or equipment with the Construction Manager's Superintendent so as not to impede any other subcontractors' operations that are working concurrently on the site. Long-term material storage on-site is not permitted. The designated storage place shall be kept neat and clean, and all damages thereto or to its surrounding shall be repaired by this Subcontractor at no additional cost.
40. This Subcontractor has reviewed the project site and is fully cognizant of all the job site conditions and/or existing structures as related to the coordination and installation of this work. This Subcontractor has been made aware of and agrees with the placement of construction-site barricades/gate openings, hi-drive units, leave-outs, tower cranes, and material and personnel hoisting facilities as related to the proper coordination and completion of its work.

- END OF SECTION -

Exhibit C — Insurance Requirements

In this Exhibit C, the phrase "Contractor" refers to the Contractor named on page 1 of the Subcontract.

Subcontractor shall provide insurance as follows:

1. Workers Compensation and Employers Liability
 - a. Statutory Workers Compensation (including occupational disease) in accordance with the laws of the state in which the work is performed, including the Other States Endorsement.
 - b. Employers Liability Insurance with \$1,000,000 in limits for each of the following exposures: bodily injury by accident (each accident); bodily injury by disease (policy limit); bodily injury by disease (each employee)
 - c. Waiver of Subrogation in favor of all parties referenced in 2f below.
2. Commercial General Liability ("CGL") with a combined single limit for Bodily Injury, Personal and Advertising Injury and Property Damage of at least \$2,000,000 per occurrence and aggregate. The general aggregate limit shall apply on a per project basis.

In addition to the foregoing, the terms and conditions of the CGL coverage (both primary and umbrella/excess policies) shall be provided through the use of ISO Coverage Form CG-00-01-1001 or its equivalent, and shall encompass at least the following:

- a. X, C and U hazards, where applicable;
- b. Independent Contractors;
- c. Blanket Written Contractual Liability covering all Indemnity Agreements, including Subcontract Article 12, "Indemnity".
- d. Products Liability and Completed Operations, with the provision that coverage shall extend for a period of at least thirty-six (36) months from Project completion or for any longer period if required elsewhere in the Contract Documents (such longer period shall take precedence);
- e. CGL coverage written on an occurrence form;
- f. Endorsement naming the following as Additional Insureds:
 - i) "Bovis entity" **Bovis Lend Lease, Inc.**, its parents and affiliates, and,
 - ii) Any other entity as required in the Owner / Contractor Agreement :The Public Building Commission, Board of Education of the City of Chicago, and City of Chicago.

Coverage for all Additional Insureds shall include coverage for liability arising out of the Subcontractor's ongoing and completed operations performed for such Additional Insureds, including coverage for the negligence of the Additional Insureds.

Acceptable Additional Insured Endorsements: Acceptable Additional Insured endorsements include ISO Form CG 2010 1185 or the use of both ISO forms 2033 1001 and 2037 1001 together. Notwithstanding the foregoing, the use of any form, including but not limited to ISO form 2010 0704 and/or 2037 0704, or later versions are subject to review and will not be acceptable if they limit coverage to the Additional Insureds for liability caused by their acts or omissions, or those of the named insured (or someone acting on behalf of the named insured). Endorsement wording that states that coverage will be excess of any other policies for which the parties to be named as additional insureds (per paragraph f above) have additional insured status is likewise unacceptable. A copy of the additional insured endorsement shall be provided to Contractor for approval prior to commencement of work.

- g. Waiver of Subrogation in favor of all Additional Insureds.
- h. Policy to be primary and noncontributory as respects the coverage afforded the Additional Insureds.
3. Commercial Automobile Liability (including all owned, leased, hired and non-owned automobiles) with a combined single limit for Bodily Injury and Property Damage of at least \$1,000,000 per occurrence. Parties referenced in 2f above shall be covered as Additional Insureds.
4. Commercial Umbrella Liability Insurance with limits of at least \$5,000,000 per occurrence and in the aggregate, and providing coverage in excess of required limits specified above for Employers Liability, General liability, and Commercial Automobile liability Such coverage will apply on a primary and non contributory basis and will not seek contribution from Contractor or any other party for which Subcontractor is required to provide additional insured coverage under this agreement.

Subcontractor is solely responsible to inform itself of types of insurance or additional limits it may need beyond these minimum requirements to protect itself from loss, damage, or liability. Failure of the Contractor to identify deficiencies in any insurance provided by Subcontractor shall not relieve Subcontractor from any insurance obligations.

11. Coverage provided on a claims made basis are not acceptable
12. Deductibles / Claim Denials: Subcontractor shall be responsible, at no additional cost to Contractor, for the payment of any deductibles or self-insured retentions in connection with the insurances required by this agreement, both for itself as well as any additional insureds. Any self-insured retention in excess of \$25,000.00 must be declared at the time the Subcontractor submits its bid and must be specifically approved by Contractor. Any policy deductibles in excess of \$100,000.00 must be similarly declared to and approved by Contractor as well.
13. Waiver of Claim / Waiver of Subrogation: Subcontractor waives its right to recover from Contractor and all parties that Subcontractor is required to name as additional insureds on its policies for all claims required to be covered by the insurance policies required under this agreement. All insurance required under this agreement shall include a waiver of subrogation by the insurer in favor of all parties that Subcontractor is required to name as additional insureds.
14. No Waiver of Insurance Requirements: It is expressly agreed between Contractor and Subcontractor that any failure on the part of Contractor to require or verify complete and timely performance of its obligations under the insurance requirements by Subcontractor shall not constitute a waiver of any right of Contractor to require compliance by Subcontractor with the insurance requirements, and / or to seek damages resulting from Subcontractor's failure to comply.



EXHIBIT D – UNIT PRICES
EXCAVATION

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The following items shall be performed, furnished and installed by Subcontractor in accordance with the Contract Documents, complete in every respect, as additional work, or deleted from the work, in accordance with the Unit Prices listed below, upon the written direction of the Construction Manager. Unit Prices include all supervision, labor, materials, equipment, delivery charges, applicable taxes, hoisting, insurance, overhead, and profit, all preparatory and other activities of Subcontractor necessary to coordinate and make such items compatible with the other work of Subcontractor and the work of other Subcontractors, and all other services and charges attributable to such work, and shall be based upon all work complete in place in accordance with the Contract Documents. Unit Prices shall be added to or, in the case of deletions, deducted from Subcontractor's compensation under this contract, and shall apply to all such additions to or deletions from the work for which Construction Manager has so directed Subcontractor.

No such additions to or deletions from the work shall be authorized except under prior written direction of the Construction Manager. In the event any items of work so authorized as additional to the work are later determined to have been included within the work to be performed under this contract for the original contract price, such work shall be performed by Subcontractor, but there shall be no addition to the Contract price therefore and the Unit Prices listed below shall not apply thereto. Time is of the essence.

Item No.	Description of Work	Unit(s)	Unit Price
1.	Loading, transportation and disposal of stockpiled contaminated soil	Tons	\$35.00
2.	Excavation, loading, transportation and disposal of contaminated soil	Tons	\$45.00
3.	Loading, transportation and disposal of stockpiled un-suitable soil	Tons	\$35.00
4.	Excavation, loading, transportation and disposal of in-place un-suitable soil.	Tons	\$45.00
5.	Load, place and compact on-site fill material from stockpile	Cubic Yards	\$7.00
6.	Excavate, load, place and compact on-site fill material	Cubic Yards	\$11.00
7.	Demolition, removal, transportation and disposal of underground concrete footings and remnants to a licensed recycling facility.	Tons	\$30.00
8.	UST Removal (Tank < 2000 gal capacity).	Each	\$3,000.00
9.	UST Removal (Tank 3,000-5,500 gal capacity).	Each	\$5,000.00
10.	UST Removal (Tank 6,000-10,000 gal capacity).	Each	\$8,000.00
11.	UST Removal (Tank > 10,000-15,000 gal capacity).	Each	\$9,000.00
12.	UST Removal (Tank > 15,000 gal capacity).	Each	\$12,000.00
13.	UST tank sludge removal and disposal (55-gallon drum)	Drums	\$300.00



EXHIBIT D – UNIT PRICES
EXCAVATION

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14.	Bulk UST pump out (Liquids), including transportation	Gallons	\$0.60
15.	Waste characterization sample analysis for disposal authorization for soils removed under Allowance Schedule	Sample	\$1,500.00
16.	Water analysis for full MWRDGC contaminants List	Each	\$750.00
17.	Obtain MWRDGC discharge permit for Bulk disposal of contaminated liquid	Each	\$1,200.00
18.	Contaminated water-hauling and disposal of drums	Drums	\$200.00
19.	Pumping, transportation and disposal of contaminated water as special waste - bulk disposal	Gallons	\$0.60
20.	Pumping, storage and disposal of contaminated water - bulk disposal by MWRDGC Permit	Gallons	\$0.10
21.	Furnish, place and compact base material CA-1 Stone.	Ton	\$20.00
22.	Load on-site base materials, place and compact CA-1 Stone.	Cubic Yards	\$8.00
23.	Furnish, place and compact aggregate material CA-6.	Ton	\$22.00
24.	Excavate, place and compact on-site aggregate material CA-6.	Cubic Yards	\$12.00
25.	Furnish, place and compact drainage material CA-7.	Tons	\$16.00
26.	Excavate, place and compact on-site drainage material CA-7	Cubic Yards	\$12.00
27.	Furnish and place geotextile filter fabric	Square Yard	\$7.00
28.	Site Survey - Survey crew for verification of additional excavation and backfill quantities	Each	\$500.00
29.	Street restoration per CDOT - 1-1/2 inch Asphalt Binder Coarse and 1-1/2 inch Asphalt Surface Coarse. Less than 100 Square Yards	Square Yard	\$165.00
30.	Street restoration per CDOT - 9-inch PCC Base Course, 1-1/2 inch Asphalt Binder Course and 1-1/2 inch Asphalt Surface Course. Less than 100 Square Yards.	Square Yard	\$220.00
31.	Furnish, transport and place topsoil.	Ton	\$15.00

EXHIBIT D – UNIT PRICES
EXCAVATION

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32.	Excavation, loading, transportation, treatment, and disposal of Hazardous Waste Soil/Material.	Ton	\$130.00
33.	Pumping, transportation, and disposal of Hazardous water and free product-bulk disposal.	Gallons	\$1.50
34.	Mobilization/Demobilization of equipment required for pile extraction work including all operating expenses.	Each	\$15,000.00
35.	Wood pile removal and disposal: Quantity 1 to 10	Each	\$1,400.00
36.	Wood pile removal and disposal: Quantity 11 to 20	Each	\$1,250.00
37.	Wood pile removal and disposal: Quantity 21 and greater	Each	\$1,100.00
38.	Snow removal by Laborer	Hour	\$85.00
39.	Snow removal by machine with operator (assumes bobcat w/60" bucket)	Hour	\$135.00
40.	Caisson Obstruction Idle Time	Hour	\$1,700.00
41.	Sheeting Obstruction Idle Time	Hour	\$1,250.00
42.	Authorized shaft volume or depth variations	CF	\$9.00
43.	Authorized additional Bell volume variations	CF	\$15.00
44.	Reinforcement steel – Labor & material	Ton	\$2,200
45.	Authorized additional "tremie" concrete placement excluding rental of concrete pump	CY	\$140.00
46.	Authorized "free fall" concrete placement	CY	\$130.00
47.	Furnish permanent steel casing	Ton	\$2,000



EXHIBIT E – ALTERNATES
EXCAVATION

JANUARY 26, 2011 *revised February 14, 2011*
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The following items shall be performed, furnished and installed by Subcontractor in accordance with the Contract Documents, complete in every respect, as additions to the work, or deletions from the work, upon written direction of Contractor, regardless of whether such changes constitute a change in the scope of the Work to be performed by Subcontractor under this Contract. The amounts listed below opposite such items shall be Subcontractor's entire compensation for such items of work, or, in the case of deletions, shall be deducted from Subcontractor's compensation for the work to be performed under the Contract. Such amounts include the price of supervision, labor, materials, delivery charges, applicable taxes, hoisting, insurance, overhead and profit, all preparatory and other activities of Subcontractor necessary to coordinate and make such items compatible with the other work of Subcontractor and of other Subcontractors and all other services and charges attributable to such work, and shall be based on all work complete in place in accordance with the Contract Documents.

No such additions to or deletions from the work shall be authorized except upon prior written direction of the Contractor. Time is of the essence.

- | | | |
|----|---|--------------------------------|
| 1. | Add for costs associated with providing a Performance & Labor and Material Bond. | Add: \$ <u>21,700.00</u> |
| 2. | Add for costs associated with providing insurance requirements as listed in Exhibit C Insurance Requirements <u>with the exception of pollution liability</u> Insurance, which is provided in the base bid. | Add: \$ <u>7,272.00</u> |



EXHIBIT S - GENERAL SAFETY REQUIREMENTS

NOVEMBER 9, 2010

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Provide all labor, material, equipment, and supervision as required to provide all safety requirements noted herein. These requirements specifically define the primary safety aspects of the project only and are in addition to any and / or all safety requirements defined elsewhere in the Contract Documents. It is understood that these Safety Requirements indicate the general scope and, as such, do not necessarily indicate nor describe all work required for the full performance and completion of the Work. All work necessary to fully and properly complete the safety requirements defined by the general scope herein is included. Subcontractor, therefore, must comprehend the full scope of these requirements and anticipate all work reasonably inferable herein. Subcontractor shall meet these requirements as the minimum level of performance, and Subcontractor shall expend all resources necessary to reasonably eliminate conditions, which arise from Subcontractor's execution of the Work, that expose individuals to risk of injury.

GENERAL SAFETY REQUIREMENTS FOR ALL SUBCONTRACTORS

1. All Bovis Lend Lease safety requirements are mandatory and will be followed by all site personnel regardless of tier or contractual relationship.
2. In addition to complying with the Bovis Lend Lease Safety Plan requirements, Subcontractors shall be responsible for the safety and protection of their own work and labor force as required by OSHA, municipal, state and federal laws, all applicable safety codes and project safety requirements as related to the proper completion of its operation.
3. No smoking is allowed on the project site (per State of Illinois and City of Chicago Code). BLL maintains a **Zero Tolerance Policy** - failure to meet this regulation will lead to immediate dismissal. All BLL sites are designated as non-smoking. The areas where workers will be permitted to smoke outside the Project or building will be clarified at the pre-construction meeting. Any worker found in breach of the policy will be removed from the Project immediately and will not be permitted to return.
4. Each Subcontractor shall establish a Site Specific Safety Program (SSSP) in detail commensurate with the requirements of the project. The SSSP shall be updated if/when there is a change in scope of work, if the hazards warrant, or at the direction of Bovis Lend Lease. Within fourteen (14) days after execution of the Subcontract and prior to starting work, Subcontractors shall submit to Bovis Lend Lease for its review a copy of their SSSP which includes:
 - a. Safe Work Methods Statements (SWMS) that outline the safe methods in which the work will be performed.
 - b. Fall Protection Program (Six (6) foot fall protection requirement: All work at heights 6' or greater requires 100% tie-off). A passive fall protection system must be utilized as the primary means of fall protection at all times. All scaffolds (including rolling scaffolds) shall have guardrails on both sides regardless of how high the platform is. No person is permitted to remain on a scaffold tower platform when it is moved.
 - c. Hazard Communication Program. Copies of Material Safety Data Sheets (MSDS) for all chemicals used on the project must be submitted to Bovis Lend Lease for review and approval prior to items being brought on site.
 - d. Lockout/Tagout Program.
 - e. Subcontractor shall establish and execute a monthly testing and labeling program for all Subcontractor's extension cords, electrical powered tools, and electrical equipment. All cords, tools, and equipment shall be tested in accordance with NFPA 70E guidelines and all other applicable codes and standards and marked in accordance with the General Contractor's Overall Site Specific Safety Plan. Subcontractors are responsible for providing, maintaining, and replacing temporary power cords (for use with hand operated tools) in good condition.
 - f. Contractor Accident Investigation/Case Management Program.
 - g. Contractor Key Personnel Names, Qualifications and Contact Information (w/24 hr emergency phone number).
 - h. Certifications:



EXHIBIT S – GENERAL SAFETY REQUIREMENTS

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- i. Competent Person(s)
 - ii. Safety Representative
 - iii. First-Aid/CPR representatives
 - iv. Crane certifications and inspection reports
 - v. Crane Operator NCCO certification
 - vi. Forklift and aerial lift operator certification(s) for the type of equipment used on-site.
 - vii. Powder actuated tools operator certification(s)
 - viii. Fall protection training certification, scaffold training.
 - ix. Field welder certification(s).
 - x. Swing stage / scaffolding certifications
 - xi. Any other specialty persons requiring a certification to complete their duties in a timely manner
- i. Permits:
- i. State and or Municipal Safety and Construction permits
 - ii. Scaffolding permits
 - iii. Hot work permits
 - iv. Energized system permits
 - v. Excavation permits
 - vi. Any approved OSHA Variances
5. Subcontractors are to include a Certified/Trained safety person on-site during performance of all work.
6. Subcontractors are required to maintain records for all "Competent Persons" with contact info and certification documentation.
7. Provide Bovis with certifications of all field welders, operators, swing stage persons, competent persons, or any other specialty persons requiring a certification to complete their duties in a timely manner.
8. Operator Competence - All onsite operators are competent union operators. Union cards and operator's licenses will be held on file in BLL office.
9. All new employees shall attend a "Site Specific Safety Orientation." The orientation will last a minimum of one hour. The orientation will be held daily (or as required) at the site. Upon completion of safety orientation, all new employees shall obtain a numbered hardhat sticker and ID Card. This sticker and ID Card must be displayed at all times. New employee safety orientation is not transferable to or from another BLL site. All workers performing work on the project shall submit to pre-job start, reasonable suspicion and post-incident drug and alcohol testing. Union Carpenters will be required to provide a copy of drug test results that was conducted within thirty days prior of the employees start date on this Project. These separate tests will be conducted by the Union Carpenters employer. If a copy is not provided on the day the Union Carpenter starts, he/she will not be allowed to work on the project until the drug test results can be furnished to the Contractor.
10. All locations shall effectively control access to the site/premises to prevent unauthorized persons entering and to record all persons (workers and visitors) entering and leaving the location for accounting purposes in emergency situations.



EXHIBIT S – GENERAL SAFETY REQUIREMENTS

NOVEMBER 9, 2010

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Subcontractors will follow the BLL Site Access control policy at all times. All personnel shall be required to take a Safety Orientation at which time they will receive their Electronic Site Access Swipe Card for entering the site. If the employee loses the card they will not be allowed on site until a representative from the subcontractor comes to the security guards office and pays \$10.00 for a replacement card.

11. Subcontractors shall require their supervisory personnel and those of any of its subcontractors including but not limited to site-specific project managers, superintendents and foremen to attend a "Supervisory Skills Workshop" conducted by Bovis Lend Lease within thirty (30) days of mobilizing to the Project site. The "Supervisory Skills Workshop" focuses on methods for recognizing safe and unsafe behavior and assigning safe work. The SSW includes 2 – eight (8) hour training sessions held two weeks apart for a total of sixteen (16) hours of training.
12. In addition to the "Supervisory Skills Workshop" all workers on-site will be required to attend the "Site Specific Safety Orientation" training session. It is also agreed and understood that no new workers are to enter the project site without first reporting in to the Bovis Lend Lease field office and receiving their site orientation training.
13. All workers and visitors shall badge-in/badge-out at the Bovis Lend Lease field office whenever they enter/leave the project site.
14. All Visitors must be logged (name, company, person/company being visited, and purpose of visit), briefed on site rules including emergency procedures provided a visitors card and badge, and be escorted at all times while on site.
15. All staff/visitors must sign waivers that include emergency instructions.
16. Workers are required to use designated separate site entrances for vehicles and people.
17. All vehicle operators are to be licensed to operate the vehicles that are assigned.
18. Seatbelts are to be worn and mobile phones turned off During Vehicle operation. Vehicle Operators are to comply with all BLL, Federal, State and Local Requirements, Rules, Regulations, and laws regarding vehicle operation. Anyone caught using a mobile phone while operating a vehicle/equipment will be removed from the site immediately and will be banned from working on all Contractor project sites.
19. Reversing operations should be eliminated by the use of one-way systems employing properly trained traffic signalers to direct drivers.
20. There will be NO on-site parking available.
21. Adequate access for emergency service vehicles must be maintained at all times.
22. All Access ways/Pathways (Walkways, Egress routes, Stairs, Hoist Landings, Loading docks, etc.) shall be kept safe and clear of obstructions.
23. Delivery procedures and storage arrangements should be detailed, including crane loading areas.
24. Definitive separation between public and work force to be maintained at all times.
25. On a daily basis Subcontractors shall conduct a safety review meeting (minimum duration: 15 minutes) with Subcontractor's employees prior to commencing any work activity which shall include the following topics:
 - a. Stretch & flex
 - b. Daily logistics
 - c. Main project risks of the day
 - d. JSA preparation/review
 - e. Manpower reporting

EXHIBIT S – GENERAL SAFETY REQUIREMENTS

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- f. Permit to Work requirements
- g. Golden Rule of the Week
- h. Rewards & recognition
- i. Toolbox talk (minimum weekly)

Location within the project site of the Subcontractor's daily safety review meeting shall be determined by the Bovis Project Superintendent and subject to auditing by Bovis and/or Owner.

26. Prior to the start of work for that day a Pre-Task plan must be conducted by each Subcontractor prior to the start of each shift. Participation is also required by the Subcontractor project and field foremen in Pre-Task planning efforts for all work and activities that are affected by this Subcontractor's portion of the work, even if it is not work being directly installed by this Subcontractor.
27. All Subcontractor employees shall be required to attend all Contractor safety stand downs.
28. All Subcontractor employees shall be required to participate in quarterly evacuation procedures.
29. On a daily basis Subcontractors shall prepare and/or review Job Safety Analysis (JSA) form(s) with Subcontractor's employees prior to commencing any work activity in order to review the SWMS and any additional unforeseen risks and changes to work environment. Copies of each current JSA shall be displayed or immediately available at work site. Previous or expired JSA forms shall be submitted to the BLL Project Superintendent for record retention.
30. Subcontractors are responsible for communicating and displaying information detailing the locations and nature of high risk activities ongoing for that day including any area where entry is forbidden or precautions apply.
31. Subcontractors are required to identify risks associated with manual lifting tasks, and perform planning and JSAs to address proper lifting methods, or the elimination of the manual task.
32. On a weekly basis Subcontractors are to conduct Safety Toolbox Meetings, specific to current tasks being performed on site, with their employees, documented with sign-in sheets and minutes of these meetings. One tool box talk per month shall review the project evacuation procedures and any changes to logistics. Evacuation tool box talks will be provided by Contractor HS&E Manager.
33. Subcontractors will appoint a Principal Stakeholder of the most senior level feasible to attend monthly Safety Lead Team (SLT) work sessions (approximately 2 ½ hours – separate from other regular safety meetings) at the project site for the duration of the time spent on the project by their employees. SLT efforts will include but not be limited to: Site Tours designed to engage feedback from site employees, on the spot field recognition of employees, active participation and contribution on a monthly basis.
34. Subcontractors shall provide a designated person to act as Fire Marshall/Warden on behalf of their onsite work force. Designated person may also be a member of the SLT.
35. Attendance is required for Progress and Safety meetings which will be conducted by Bovis with a responsible representative of all major active Subcontractors on a regular basis to review job progress, safety, update construction schedules, establish trade priorities, and in general, coordinate project activities. On a daily basis Subcontractors are to complete a manpower and activity report; this report is to be submitted to Bovis Superintendent. On a weekly basis Subcontractors are to submit to the Bovis Superintendent any and all Site Safety Meeting Reports.
36. Subcontractors will be required to participate in project fire evacuation drills every 6 months, or as directed by the Bovis Project Superintendent.
37. Subcontractors are required to provide and maintain appropriate first aid supplies, medical equipment, and personnel trained and certified to administer First Aid and CPR to their employees.



EXHIBIT S - GENERAL SAFETY REQUIREMENTS

NOVEMBER 9, 2010

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38. All workers are to wear and be trained in the proper use of appropriate PPE. Approved hard hats, safety glasses, leather work shoes, gloves, long pants, high visibility attire, and 4-inch shirt sleeves are required as a minimum AT ALL TIMES WHILE ON SITE. Steel Toe Boots are required where potential for crushing injury is present.
39. In areas where activities involving harmful levels of dust and particulates, chemicals and fumes, and/or noise are being performed, efforts will be made to reduce and/or isolate exposures. These include work permits, and pre-task planning, warning signs, and physical barriers set up to provide isolation. Appropriate PPE - breathing apparatus and eye protection shall be provided. Additionally, substitution and elimination of the hazardous materials should be considered where possible.
40. A face shield or goggles in addition to standard Safety Glasses will be required for all overhead drilling, the use of chop saws, hand held grinders, and / or similar activities due to the increased potential for eye and face injuries.
41. Subcontractor shall demonstrate that they have made all efforts to eliminate or reduce the need for work at height.
42. Ladders must be secured top and bottom to prevent movement and extend at least 36 inches (1 m) above landing or work platform. Step ladders should be fully open when in use with the user standing in a safe position, i.e. two or more rungs below the top.
43. Robust Physical Barriers must be erected and maintained to provide Controlled Access Zones (CAZ) in support of their ongoing work. Locations include around shaft openings, and edge conditions, direct pick zones, and in all areas where work is going on directly overhead. Danger/ Caution tape is not acceptable.
44. If for any reason during the performance of the work, perimeter cables, vertical netting, barricades, floor or roof opening covers, hole covers, or fall protection related items are removed to perform work, Bovis Lend Lease must be notified in writing in advance of the work to be performed. IN ADDITION, it will be the responsibility of the Subcontractor removing the protection to replace it promptly and devise a secondary fall protection system to protect their workers while the primary system is not in place. This also includes warning other trades to stay out of the area while primary fall protection systems are down (provide a complete Controlled Access Zone using robust physical barriers – Danger/ Caution tape is not acceptable).
45. Overhead protection must be provided and maintained in all areas where work is going on directly overhead.
46. Rubbish chutes and skips/dumpsters used for rubbish disposal (from upper floors) must be located and/or fenced off so as to prevent danger to the public and workers.
47. This Subcontractor is responsible for providing all properly protected scaffolding, lifts, work platforms, etc. necessary for completion of its work; including all required permits, certifications, and Tagging Systems.
48. All scaffolds and working platforms shall be planned, and certified/inspected by competent personnel. They shall be erected, altered and dismantled by competent workers. Scaffolds shall be fit for purpose with Safe Access Points provided. Inspections shall be conducted at first erection, after any alteration, and on a weekly basis. They must be clearly marked safe or unsafe for use, free from visual defects, plumb and with adequate cross bracing, sound footing and properly locked wheels. Guard Rails, Mid-Rails, Netting, and Toe Boards must be installed on all open sides of platforms. 100% Tie off for erecting and dismantling is required.
49. All scaffolds shall be constructed with guardrails and full planking erected to the scaffold manufacturer's specifications and in compliance with the OSHA standards for scaffolds in 29 CFR 1926 subpart L, and all applicable local, state, and federal codes.
50. All persons working on suspended access equipment (bosun's chairs/cradles/gondolas/swing stages) must wear and use appropriate fall prevention equipment to effectively protect them at all times from any failure of any part of the equipment and its suspension system (i.e. independent of suspension line or the access equipment).



EXHIBIT S – GENERAL SAFETY REQUIREMENTS

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51. All mechanical access systems used for work at heights should be adequately assessed for use, have not been adapted without manufacturers' approval, and be used by suitably competent and trained personnel under managed guidelines. Guarding should be robust and fit for purpose.
52. In construction areas without Robust Physical Barriers - safety harnesses for workers and lanyards for tying off tools and equipment are to be used at all times. Subcontractor shall look at all means possible to avoid using lanyards as a primary means of fall protection. Personal Fall Protection systems (PPE) can only be used as a last resort as they rely on the individuals at risk to use them correctly, and they only protect those individuals using them. Systems need to be designed by competent persons to ensure their effectiveness (including rescue procedures) and use needs to be limited to specific trained personnel (e.g. scaffolders). Preferences should be given to fall prevention systems (restraint) rather than fall arrest systems, which limit the distance people can fall (mitigation).
53. Lanyards shall be used to tie off tools and equipment when work is being conducted outside of the building perimeter.
54. Subcontractors are required to coordinate with BLL regarding identifying muster points have and communicating evacuation procedures and maps to their personnel during on-site orientations.
55. Provide temporary fire extinguishers when welding or using a torch. Any cutting, burning, or welding will require a hot work permit from Bovis.
56. Flammable liquids and compressed gases must be stored in OSHA approved safety containers and be properly labeled as to the contents. Storage locations and quantities shall be identified on the Subcontractor's Site Specific Safety Plan and shall be reviewed with Bovis Lend Lease Health and Safety Manager prior to items being brought onto the job site. Fire extinguishers are the responsibility of the Subcontractor and shall be provided, installed and maintained in areas where flammables are used or stored.
57. MSDS must be available on site and be used to assess risks pertaining to the use and storage of hazardous materials.
58. Hazardous and other dangerous materials must be kept in suitable containers and storage areas. They must be properly identified and have safety information available. MSDS sheets shall be provided before any work can start
59. Subcontractors must protect equipment, materials, and work in place from adverse weather effects, including wind, rain, snow, ice, heat, etc.
60. Subcontractors are responsible for providing, maintaining, and replacing proper temporary power cords (for use with hand operated tools) in good condition.
61. It is the responsibility of the Subcontractor to notify Bovis Lend Lease immediately when any of the following occur:
 - a. First Aid Cases
 - b. Injuries / Occupational Illnesses
 - c. Alleged injuries / Illnesses
 - d. Near Miss Incidents
 - e. Equipment Damage
 - f. Spills
 - g. Damage to work in place.Additionally, the Subcontractor must review and provide timely reporting for each and every occurrence.
62. Any worker requiring medical attention at a clinic or hospital must be accompanied by a designated representative of Subcontractor for whom they work.

EXHIBIT S - GENERAL SAFETY REQUIREMENTS



NOVEMBER 9, 2010
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63. All workers are subject to the Bovis Lend Lease Project Disciplinary Program. Additionally, each Subcontractor shall establish and enforce an "Effective Employee Disciplinary Program" which shall include mandatory removal from the project site upon receipt by any employee of three (3) safety violations.
64. This Subcontractor will participate in any incident investigations to determine cause and that corrective action has been taken so as to ensure that the cause is not recurrent.
65. Each trade will provide their own shanties made of fire treated material, and must be approved by the Bovis Lend Lease Superintendent.
66. All Subcontractor Field Offices must have Emergency Plans in place, marked fire exits, and conduct regular evacuation drills.
67. H&S signs and legally required documents must be posted within Subcontractor's field office/shanty.
68. Subcontractor's flaggers shall control construction traffic as it engages public - to assist vehicles entering and exiting the site.
69. Shut downs and tie-ins to energized systems shall require notification and approval from the BLL Project Superintendent a minimum of 72 hours in advance of work being commenced.
70. Any crane load meeting or exceeding 75% of the chart capacity of the crane shall require a critical pick plan including chart calculations; any required engineering designs, rigging diagrams, and logistics diagrams. The critical pick plans will be required a minimum of two weeks in advance of the work and is in addition to the one-week advance notice indicated above. In no case should any picks exceed the manufacturer's recommendations.
71. Subcontractor may be required to stop work and/or vacate areas of the project affected by tower crane erection, jumping, and dismantlement.
72. Waste must be managed by minimization, segregation and recycling. And placed in designated waste areas and receptacles.
73. Use of Headsets or ear buds associated with personal radios, media players, and cellular phones or other devices are prohibited while performing work. The use of any type of loud speaker radios on the jobsite is strictly prohibited.
74. Subcontractor shall not be entitled to any additional costs to comply with any government agency or Bovis Lend Lease safety requirements.
75. See attached Project Specific Requirements Spreadsheet for Subcontractor specific information (total of 4 pages).

William Jones College Preparatory High School

Exhibit S for Steel Buildings - Specific Safety Requirements (November 9, 2010)

Category #	Area	Code	Description	Subcontractor	Responsible Subcontractor
Fall Protection					
Falls Mandate					
A	Work at height		Subcontractor will ensure that all work from heights will be the safest reasonably practical work methods which will eliminate the need to contact work at heights or effectively prevent the fall of people or materials.		ALL TRADES
B	Robust Physical Fall Prevention Barriers		Subcontractor will provide Robust Physical Barriers, such as screens, guard rails, aircraft, and net systems. These systems must be provided to prevent persons or materials from falling any distance likely to cause injury during work at heights. Turn buccles must be used in multiple locations on each side of the building.		Steel Erection Subcontractor Steel Erection Subcontractor Steel Erection Subcontractor Steel Erection Subcontractor
C	Construction in areas without Robust Physical Barriers		Subcontractor will identify and review high risk construction activities where robust physical barriers cannot be utilized, relying on safety harnesses and 100% tie-off as a sole means of fall prevention. Controlled Access Zones (CAZ) must be in place with a full time monitor who's sole responsibility is to watch the CAZ.		Steel Decking Subcontractor Curtain Wall Subcontractor MEP Subcontractors (listers)
D	Safety Harnesses		Where harnesses are to be used as secondary means of fall prevention a formal checking process must be put in place to ensure all equipment has been inspected, all personnel are competent in the use of the equipment and have a SWMS or permit in place before work starts.		Concrete Subcontractor Steel Erection Subcontractor ALL TRADES
General Perimeter Protection					
A	Open edge protection of structures under construction or demolition		All open edges to structures under construction or demolition (including the construction/demolition floor) from which persons or materials can fall, must be effectively protected by screens, scaffolds, guard rails, or cable and netting systems. All systems shall be designed by a certified engineer and should be of sufficient strength and height to handle the highest recorded wind loads in the area plus the safety factor. Curtain wall trade contractor, Mechanical trade contractor will be responsible for providing their own speed post system or robust physical barriers to establish a Controlled Access Zone (CAZ) to perform their work (NO CAUTION or DANGER TAPE WILL BE ALLOWED). Toe Boards shall be installed the day after a floor has been poured. Toe boards shall be completed first, with the netting following behind.		Steel Erection Subcontractor Concrete Subcontractor Concrete Subcontractor Concrete Subcontractor Concrete Subcontractor Concrete Subcontractor Concrete Subcontractor
B	Falling Materials & Equipment Hazards		Subcontractors that have work being conducted outside perimeter protection which could result in falling materials or equipment, must use tool lanyards to tie-off tools and equipment, where possible. Horizontal catch nets should be installed and stay as close as possible to the work operations. Excavation zones must be in place below all work areas.		Steel Subcontractor, Concrete Subcontractor, Curtain Wall Subcontractor Steel Subcontractor Steel Subcontractor, Concrete Subcontractor, Curtain Wall Subcontractor Wall Subcontractor
Interior Shaft protection					
A	Penetrations, Risers, and Shafts		Subcontractor shall ensure that all elevator shafts are protected in such a way to protect the workers that will be carrying out the elevator installation in the shafts. All elevator shafts openings will be protected with a secured full height system across the front of the shaft. This subcontract will provide multiple (2) levels/ double layers of 3/4 plywood and planks for shaft protection inside all elevator shafts. All Front of shaft that requires cables, toe boards and mandrills, cables will be installed at 21" 42" 60" 96". Toe boards will be installed at the same time as the cables in order to meet OSHA regulations. Attaching the debris netting directly to the concrete is prohibited. MEP openings that are 2' x 2' or greater will require 2 means of protection and poured into concrete so as to avoid a tripping hazard. MEP shaft protection will remain in place until MEP Systems are installed. The use of joist and plywood lying across Stair, MEP, or any other opening will not be allowed. In the case where this may occur this subcontractor will provide a complete corral around the entire opening 60" in height with netting. Concrete subcontractor will make every effort to install speed post or USA Host Gate type system across the front of all elevator shafts.		Concrete Subcontractor Concrete Subcontractor Steel Erection Subcontractor Concrete Subcontractor Concrete Subcontractor
B	Loading Platforms		Platforms shall have guardrails or gate systems at all times. Chain/Wire cable systems are not sufficient. The off points with retractable cables must be in place with workers wearing full body harnesses. Loading platforms must be installed in a location where the crane can do a straight pick so as not to allow the load to swing away from the building. A competent person shall inspect the loading platform before it is put into use.		Steel Erection Subcontractor, Curtain Wall Contractor, Concrete Subcontractor Steel Erection Subcontractor, Curtain Wall Contractor, Concrete Subcontractor
General Precautions					
A	Access to Work Floors		Access to general work floors should be provided by the full permanent solution where ever possible. Where this is not possible, temporary staircases of adequate width and complete with handrails should be provided. A minimum of two (2) points of egress must be provided which may consist of scaffold stair towers, prefabricated wood stair system. Ladders may be used in the event that no alternative means are available. Spacing for these egress points shall be per OSHA standards		Concrete Contractor Misc Metals Concrete Contractor Concrete Contractor Jones School Exhibit S.xls

William Jones College Preparatory High School
Exhibit S for Steel Buildings - Specific Safety Requirements (November 9, 2010)

5	Stair east with Deck	Support Methods
6	Stair West	
7	Stair from upper core down to trailing scaffold.	
Response Subcontractor		
Concrete Contractor		
Rebar Metals		
Concrete Contractor		

Ground Work

A	Access site to determine best method	Subcontractor shall access all proposed ground works and implement the safest practicable methods employed to carry them out. Before work can begin Trade contractor will be responsible for identifying the safest means available to reduce/eliminate the risk of injury/damage. Submit a Safe Work Method Statement and Permit, review alternate methods of performing the work (directional boring) etc; reviewed by a competent persons. Work permits are required for every day the excavation continues. As conditions change, work must stop and be re-assess before work can continue.	Excavation Site Utility
B	Locate all underground services	Subcontractor is responsible for calling 'Toller' Digger before any excavation can begin. If it is this trade contractor's responsibility to keep records of utility locations and paths on a Site drawing or Logistics plan. All required hand signing is included when excavating utility lines.	Excavation Site Utility
Stability			
A	Excavations, Adjacent structures, roads, and sidewalks	Subcontractor will provide a competent person to assess that all excavations have the proper trench boxes, battered back/sloped to a safe angle, Pre-jack plans including dg sequence.	Excavation Contractor
B	Adjacent structures, roads, and sidewalks	Subcontractor is responsible for coordinating excavation to adjacent structures, roads and sidewalks must be supported or protected where necessary. An approved retention plan must be followed at all times.	Retention Subcontractor
C	Materials and equipment	Subcontractor will keep materials and equipment a safe distance from the edge of excavations (minimum 2). A spotter must be in place to provide hand/radio signals when the operator does not have direct view of the excavation. No workers will be allowed in the excavation while the equipment is working in the hole. Truck drivers must remain in the cab while trucks are being loaded. All personnel are required to wear High Vis Vests.	Excavation Subcontractor
D	Water ingress (Dewatering)	Subcontractor will provide a fit-task plan must be put in place to prevent the accumulation of water in the excavations. A Job-Safety Analysis (JSA) shall include the type of system that will be utilized for the water removal operation. Shield systems shall be put in place to protect from cave ins, the use of safety harnesses and fall-arrest/retrieval systems shall be part of the JSA. A competent person shall continue to inspect the area surrounding the excavation and determine if it is safe to work or take additional precautions before work continues.	Excavation/Site Utility Subcontractor

Safe Works

A	Signage, barriers, and Lighting	Subcontractor shall provide adequate signage, barriers and lighting to prevent falls into excavations adjacent to thoroughfares. Robust physical barricades (jersey barriers, fences, guardrails must be in place in order to protect the public. Short excavation 2' 0" or greater in depth (not accessible to the public) can use snow fencing at a minimum of 10' 0" back from the edge of the excavation. Short term excavations (not accessible to the public) less than 2' 0" in depth can use snow fencing at a minimum of 4' 0" back from the edge of the excavation. When working in a public thoroughfare all this Trade contractor will provide all of the required signage, barricades, traffic control and have all openings covered (steel plates/ back fill) before leaving for the day.	Excavation/Site Utility Subcontractor
B	Temporary Stairs/ Access	Subcontractor will ensure all vertical and pedestrian foot traffic must have segregated access points. A minimum of two (2) points of egress must be provided which may consist of earth ramps, scaffold stair towers, prefabricated wood stair system. Ladders may be used in the event that no alternative means are available. Spacing for these egress points shall be per OSHA standards.	Concrete Subcontractor
C	Exclusion Zones	Subcontractor must ensure exclusion zones are established and maintained around operating earth moving machines to prevent workers being struck by either the machine or any tool due to the failure of any quick hitch system. This plan must outline precautions (USA) to protect workers near excavation equipment. Before work starts this Trade contractor will provide Operator certifications, equipment inspection reports, competent person, JSA showing exclusion zones. Quick Hitch systems should not be used.	Excavation/Site Utility Subcontractor

Lifting & Rigging

Cranes and Lifting Equipment			
Safe operating limits			
A	1	Tower Cranes (Primary)	Steel Erection Subcontractor
	2	Load Charts	Steel Erection Subcontractor
	3	Load indicator	Steel Erection Subcontractor
	3	Wind chart	Steel Erection Subcontractor
B		Cranes with power line. Signal man-warning.	Callison Subcontractor, Earth retention subcontractor, Steel Erection Subcontractor.

William Jones College Preparatory High School

Exhibit S for Steel Buildings - Specific Safety Requirements (November 9, 2010)

Code	Item	Description	Supplier/Manufacturer
C	Crane erection, climbing, and dismantling operations	All crane erection, climbing and dismantling operations require a Safe Work Method Statement (SWMS) and must be controlled by using the BLL permit system to ensure that the competent crews are given sufficient time and resources to complete their task safely. All tower cranes and cranes that will be the primary crane on site (Crawler crane) for more than 30 working days will require new cables and load test before the crane can be put into use. All tower cranes will require a third party inspection before the crane can be put into use. Follow up inspections shall occur every 6 months. A copy of the 3rd party inspection must be given to the on site Bovis Land Lease rep before the inspector leaves the site. If there are any deficiencies, the crane will be taken out of service until the crane is repaired and proper paper work from the supplier has been completed and turned over to BLL.	Steel Erection Subcontractor, Calsson Contractor
A	Competent Persons (Crane Requirements)	Subcontractor will provide an adequate number of competent people must be provided to plan and conduct lifting. All crane operators and riggers must provide proof of competence, training and experience, licenses, certification cards, certificates, employers letters verifying employees training and competencies.	Steel Erection Subcontractor
B	Crane Operator and signaler communications	Subcontractors competent person in charge shall provide two way communication between crane operators and rigging crew by means of hand signals, two way radios with a dedicated channel for site, hand held communication system. When a load is being lifted the rigging crew shall sound an air horn to warn that a load is moving or suspended. Erection zones must be established before lifting operations begin. Anyone involved in the lifting operation will wear Hi-Vis Vest so they are identified by the crane operator.	Steel Erection Subcontractor
C	Safe slinging requires competent people	Subcontractor will ensure that all loads will be adequately secured to eliminate the potential for falling materials. Loads that are palletized will be covered with netting or shrink wrapped before slings have been put in place. All loads will have at least one tag line of the appropriate length to ensure control of the load. All loads will be at a minimum DOUBLE BANDED IN TWO DIRECTIONS and inspected by a competent person before the load can be moved. The rigging crew along with the operator will be responsible for all life and fall have the right to terminate any lift if the feel the rigging, weight, or weather are not right.	Steel Erection Subcontractor
D	Daily lifting coordination meetings	Subcontractor will establish a daily lift coordination meeting that should include (but not be limited to) work locations for material being lifted, Locations of exclusion zones, Review of Safe Work Method Statement.	Steel Erection Subcontractor

Electrical Safety

Code	Item	Description	Supplier/Manufacturer
A	Temporary Supply	Subcontractor will provide a sufficient number of power and lighting panels that will be installed and inspected by a competent and qualified person before the system is energized. All electrical circuits must be protected by GFCI, fitted at source and checked regularly. Subcontractor will ensure that all cables and supply source will be kept clear of walk ways and drive lanes. Provide a time clock that will turn off all lighting with the exception of Stairs and exits.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor
A	Work on Live Systems	Work on live systems is prohibited. Subcontractor will use the Lock Out - Tag Out (LOTO) and Permit to Work System to ensure energized systems are locked off and de-energized before work can begin. Shut down work will be performed off hours.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor
A	Emergency Lighting	Subcontractor shall provide Exit/Egress lighting that will be connected to dedicated circuits and be independent of other branch circuits. Circuits feeding Exit/Egress lighting shall not use a shared neutral. Exit and egress lighting shall not be switched and shall have battery back up or be connected to a separate derived system (EM generator). All emergency lighting will provide a minimum of 90 minutes of illumination and be installed in stairwells and primary stair landings. Subcontractor shall make every effort to use permanent building fixtures to install EM lighting system. Free air wiring is prohibited. Subcontractor will be responsible for maintaining the EM lighting system on a regular basis.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor

Lighting

Code	Item	Description	Supplier/Manufacturer
A	Back up lighting systems	Subcontractor shall provide Exit/Egress lighting that will be connected to dedicated circuits and be independent of other branch circuits. Circuits feeding Exit/Egress lighting shall not use a shared neutral. Exit and egress lighting shall not be switched and shall have battery back up or be connected to a separate derived system (EM generator). All emergency lighting will provide a minimum of 90 minutes of illumination and be installed in stairwells and primary stair landings. Subcontractor shall make every effort to use permanent building fixtures to install EM lighting system. Free air wiring is prohibited. Subcontractor will be responsible for maintaining the EM lighting system on a regular basis.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor
A	Adequate temporary lighting	Subcontractor will ensure that temporary lighting systems be installed to ensure work can be performed in a safe and competent manner and shall take into account logistic and schedule updates, off hours work. Subcontractor is responsible for maintaining lighting systems on a regular basis. Sufficient clearance must be provided between lamps and combustible materials. Temp lighting shall be no less than 7' 6" from the ground/floor. Where ever possible compact fluorescent or fluorescent tubes should be used to assist in energy saving, CO2 output reduction and quality goals. Provide a time clock system that will shut down lighting with the exception of the stairs and floor exits.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor

Fire & Emergency

Code	Item	Description	Supplier/Manufacturer
A	Emergency Evacuation Alarm Systems	Subcontractor shall provide Exit/Egress lighting that will be connected to dedicated circuits and be independent of other branch circuits. Circuits feeding Exit/Egress lighting shall not use a shared neutral. Exit and egress lighting shall not be switched and shall have battery back up or be connected to a separate derived system (EM generator). All emergency lighting will provide a minimum of 90 minutes of illumination and be installed in stairwells and primary stair landings. Subcontractor shall make every effort to use permanent building fixtures to install EM lighting system. Free air wiring is prohibited. Subcontractor will be responsible for maintaining the EM lighting system on a regular basis.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor
A	Evacuation Alarm Systems	Subcontractor shall provide Exit/Egress lighting that will be connected to dedicated circuits and be independent of other branch circuits. Circuits feeding Exit/Egress lighting shall not use a shared neutral. Exit and egress lighting shall not be switched and shall have battery back up or be connected to a separate derived system (EM generator). All emergency lighting will provide a minimum of 90 minutes of illumination and be installed in stairwells and primary stair landings. Subcontractor shall make every effort to use permanent building fixtures to install EM lighting system. Free air wiring is prohibited. Subcontractor will be responsible for maintaining the EM lighting system on a regular basis.	Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor Electrical Subcontractor

William Jones College Preparatory High School

Exhibit S for Steel Buildings - Specific Safety Requirements (November 9, 2010)

Code	Item	Description	Subcontractor	Scope/Notes	Response Subcontractor
5		<p>The BLI guard shanty works that 24 hour monitoring. EAS must have the ability for phone communication to direct call to designated BLI staff. The EAS system shall have multiple zones which will be determined based on the building size. Pull stations will be located on every other floor in the most centralized stair well in the building. Horns and strobes will be located on every floor (number of horns/strobes will be determined by floor square footage). Subcontractor shall remove system and turn over to BLI as floors are turned over for occupancy. Subcontractor will furnish and install smoke detectors with localized alarms at all stairwells and BLI offices. In the event of an alarm the security guard will make the required notifications.</p>		5 Other	Fire Protection Subcontractor
A	Checking/Testing Fire Systems	<p>Subcontractor will be responsible for inspecting and servicing equipment on a regular basis, including testing of pump sets or wet risers and fire lifting controls and the results recorded. A weekly visual check will be carried out on all fire fighting equipment to ensure they have not been damaged, discharged, or removed. A joint walk through will take place with a BLI representative to ensure that inspections are being performed and accurately recorded. All inspection reports will be kept on file in the BLI field office.</p>			Fire Protection Subcontractor
A	Means of Escape Two (2) Means of Escape	<p>Two alternate means of escape suitable for the number and specific needs of all people (eg. wide enough for wheelchairs) must be provided. In the event that stairs are logging behind the Subcontractor will be responsible for providing 2 means of escape for workers to get to a floor with a permit to work installed. Ladders can be used for emergency use only, they should have the proper signage. Ladders should also be considered to prevent anyone from backing up into the opening. Subcontractor shall provide temporary stair towers where ever possible.</p>			Steel Erection Subcontractor, Concrete Subcontractor
A	Fire Fighting Equipment Risers	<p>Should progress with demolition/construction - no more than 2 floors below work in floor. Inlets and outlet valves must be accessible, unobstructed and clearly signed. Subcontractor will provide signage to assure visibility at all times. It will be the responsibility of this subcontractor to furnish and install temporary escape and egress zip ties to ensure that all valves and branch piping flows and taps are in the closed position during construction operations. Subcontractor will establish an air test schedule with a BLI representative to ensure that the air flow in the riser (once a month or every 5 floors) results must be recorded and filed in the BLI field office. Visual inspections shall be performed weekly and all results recorded and on file in the BLI field office. All risers shall have signage stating the status of the riser (active/inactive). FDC shall have proper signage that identifies the building address along with proper signage for locations of all pumps and risers.</p>			Fire Protection Sub Contractor



EXHIBIT H – ELECTRONIC FILE REQUIREMENTS
ALL TRADES

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Below are the procedures as required for the above referenced project:

1. General Requirements:

- a. Subcontractor shall provide its management personnel assigned to this Project with access to personal computers and the Internet on a daily basis. All computer and software provided shall be meet current industry standards.
- b. All shop drawings, catalog cuts and approval submittals shall be submitted digitally in PDF format to the Construction Manager via email or other internet transfer means as determined by the Construction Manager. Shop drawings will then be reviewed and commented on digitally and returned to the subcontractor in PDF format.
- c. The following naming convention shall apply to all shop drawings and approval submittals per the PBC requirements:

Shop drawings:	SD_Org_Initials_SD#####DocumentTitle_YYYYMMDD
Product Data:	PD_Org_Initials_SpecsectionDocumentTitle_YYYYMMDD
Test Report:	TE_Org_Initials_SpecsectionDocumentTitle_YYYYMMDD
Calculations:	CA_Org_Initials_SpecsectionDocumentTitle_YYYYMMDD
Certificates:	CT_Org_Initials_SpecsectionDocumentTitle_YYYYMMDD
Letter:	LT_Org_Initials_SpecsectionDocumentTitle_YYYYMMDD
RFI:	RFI_Org_Initials_RFI###DocumentTitle_YYYYMMDD
Transmittal:	TR_Org_Initials_DocumentTitle_YYYYMMDD

Example: PD_BLL_JE_05311Steelroofdeck_20110101

"PD" indicates a Product Data submittal. "BLL" is the originator of the submittal, or abbreviated name of the Subcontractor. "JE" are the initials of the originator. "05311Steelroofdeck" is the specification section followed by the document title. "20110101" indicates the document date, in this case it is 1/1/2011.

- d. Submittal documents will be **rejected** if they don't follow the PBC required naming conventions.
- e. All submittals and shop drawings must be accompanied by a word file or .doc transmittals with all drawing titles, dates, etc.
- f. RFI's shall be submitted digitally to the Construction Manager via a web based submittal system as determined by the Construction Manager utilizing the appropriate naming convention.

2. Close-Out Document Requirements:

- a. In addition to the standard closeout submittal requirements detailed elsewhere in the Contract Documents, this subcontractor shall also submit three (3) copies of all closeout documents including all "As-Built Drawings", catalog cuts and Owner's Operation and Maintenance manuals in digital PDF format. All documents (including as-built drawings) shall be converted or scanned into the Adobe Acrobat (.PDF) file format and copied onto CD ROM disks. All file names shall correspond to the shop drawing numbers or submittal names. A word document containing an index of the disk contents shall be included on each disk.

EXHIBIT T

PBC REQUIRED SUBCONTRACT PROVISIONS

All of the provisions of this Exhibit T were made a part of and included in the Invitation to Bid for the Work issued by Bovis Lend Lease Inc. and are hereby made a part of and included in the Bovis Lend Lease Subcontract ("Subcontract") to be executed by the Public Building Commission of Chicago ("PBC") as "Contractor" and the Subcontractor with Bovis Lend Lease as the Construction Manager.

- 1. Required Provisions.** For the purposes of this Exhibit T, Construction Manager means the Construction Manager identified in the Agreement with the Commission, and Trade Contractor refers to the Subcontractor executing the Subcontract Agreement with the PBC, which Subcontract shall immediately thereafter be assigned to the Construction Manager. The term "Bidder" as used herein shall mean any subcontractor submitting a bid to perform the Work described in the invitation for bid for that subcontract scope of work.
- 2. Referenced Forms.** The forms referenced are attached as exhibits to this Exhibit T and are hereby made a part of and included in the Subcontract:

Schedule 2 – Affidavit of Non-Collusion;
Schedule 3 – MBE/WBE Special Conditions;
Schedule 4 – Affidavit of Uncompleted Work;
Schedule B – Joint Venture Affidavit (if applicable);
Schedule C – Letter of Intent from MBE/WBE to Perform as Subcontractor, Subconsultant and/or Material Supplier;
Schedule D – Affidavit of General Trade Contractor Regarding MBE/WBE Participation;
Schedule E – Request for Waiver from MBE/WBE Participation (if applicable);

A. MBE and WBE Commitments

The goals for MBE and WBE participation for Trade Contract Work pursuant to the Agreement for Construction Management Services between the PBC and Bovis Lend Lease, Inc. are 45% and 8%, respectively. Each Bidder shall submit with its Bid affidavits and supporting documents describing the extent to which Minority Business Enterprise ("MBE") and Women Business Enterprise ("WBE") firms will participate in the Subcontract in accordance with "Special Conditions Regarding MBE and WBE Participation."

B. Local Business Subcontracting Participation Commitments

The goals for Local Business Subcontracting participation this Contract are 50%. Each Bidder shall submit with its Bid affidavits and supporting documents describing the extent to which

Local Business Subcontracting firms will participate in the Contract in accordance with Section 4.04.d of the Agreement for Construction Management Services.

C. Basis of Award (Award Criteria)

To promote the intended goal of economic opportunity and maximize the use of minority personnel on this project, the Construction Manager, on behalf of the Public Building Commission of Chicago, established the Award Criteria formula used on the Bid Proposal Form for the purpose of canvassing bids and awarding contracts for Work.

Subcontractor's Award Criteria Formula calculations and Journeyworker, Apprentice and Laborer Commitments made in the Subcontractor's Bid Proposal Form are attached to and incorporated into the Subcontract Agreement and shall be administered in accordance with the following provisions. The fulfillment of the Award Criteria does not abrogate the responsibilities of the Trade Contractor to comply with federal and state requirements under the Equal Employment Act and the Illinois Human Rights Act.

1. Community Hiring Bonuses

In order to encourage maximum employment of interested and available residents of the project community on this project, the following bonus calculations shall apply:

- a. In calculating the hours worked by minority and women journeyworkers, apprentices, and laborers under the Award Criteria set out in the "Bid Proposal Form" hours worked by minority and women journeyworkers, existing apprentices, and laborers who are residents of the project community shall be multiplied by 1.5.
- b. In calculating the hours worked by minority and women apprentices under the Award Criteria set out in the "Proposal Support Documents," all hours worked in new apprenticeships by minority and women apprentices who are residents of the project community shall be multiplied by 2.0.

Definitions

"Actual residents of the City of Chicago" shall mean persons domiciled within the City of Chicago. The domicile is an individual's one and only true, fixed, and permanent home and principal establishment.

"Residents of the project community" shall mean persons domiciled within the Community Area (Map to be provided) in which the Site is located.

"New Apprenticeship" shall mean an apprenticeship begun for a person who has not held an apprenticeship card within ninety (90) days prior to beginning the project.

2. Liquidated Damages

The Trade Contractor hereby consents and agrees that, in the event that it fails to comply with each of the minimum commitments submitted with the Award Criteria on the Bid Proposal Form

covering minority and female Journeyworkers, apprentices, and laborers respectively, the following shall apply.

If the total hours in any category for which a percentage is assigned in Lines 2, 4, 6, 8, 10, or 12 of the Award Criteria Formula equals zero at the completion of the work, then a net deficiency of the entire percentage assigned will be deemed to exist. For any net deficiency in each category, the following amounts shall be deducted as liquidated damages from monies due the Trade Contractor and the Contract Sum modified accordingly:

- a) For each full one (1%) percent deficiency of minority Journeyworkers not utilized – four cents per each hundred dollars of the base bid calculated as follows:

$$\frac{\text{Line 1} \times 04}{100}$$

Each one (1%) percent deficiency toward the goal for female Journeyworkers (Line 8) shall be calculated in the same way.

- b) For each full one (1%) percent deficiency of minority apprentices not utilized – three cents per hundred dollars of the base bid calculated as follows:

$$\frac{\text{Line 1} \times 03}{100}$$

Each one (1%) percent deficiency toward the goal for female apprentices (Line 10) shall be calculated in the same way.

- c) For each one (1%) percent deficiency of minority laborers not utilized – one cent per each hundred dollars of the base bid calculated as follows:

$$\frac{\text{Line 1} \times 01}{100}$$

Each one (1%) percent deficiency toward the goal for female laborers (Line 12) shall be calculated in the same way.

- d) Liquidated damages, if any, will be calculated for the first pay requests reflecting fifty percent (50%) completion, seventy-five percent (75%) completion, and ninety percent (90%) completion, respectively, based upon the Trade Contractor's pay request together with all attendant certified payrolls and other required documentation of minority and women employment.

3. Reporting

In accordance with this commitment, the Trade Contractor must submit both the Trade Contractor's Payroll Record Form and the Trade Contractor's Recapitulation of Minority and Female Worker Hours and Percentages Form on a monthly basis to the Commission using the Commission's web based compliance tracking software which will be made available to all Trade Contractors and sub tier subcontractors. All Sub tier subcontractors of any tier must submit a Recapitulation Form whether active or not. For the purpose of this report, the following group categories will be used:

- a) The classification "White" includes person of Indo-European descent.
- b) The classification "Black" or "African-American" includes persons having origins in any of the black racial groups of Africa.
- c) The classification "Hispanic" includes persons whose origins are from Mexico, Puerto Rico, Cuba, Central or South America, the Caribbean Islands or other Spanish culture or origin, regardless of race.
- d) The classification "Native American" includes persons who are Native Americans by virtue of tribal association.
- e) The classification "Asian-Pacific" includes persons whose origins are from East Asia, Southeast Asia, the Pacific Islands or the Indian sub-continent.
- f) The classification "Other" includes qualified individuals with disabilities who meet legitimate skill, experience, education or other requirements of employment positions held or sought and who perform the essential function with or without reasonable accommodation and other groups or other individuals found by the Public Building Commission of Chicago to be socially and economically disadvantaged and to have suffered actual racial or ethnic discrimination and decreased opportunities to compete in Chicago area markets.

4. Major Trades

Asbestos Workers	Operating Engineers
Boiler Makers	Painters
Bricklayers	Pile Driver Mechanics
Carpenters	Pipe Fitters/Steam Fitters
Cement Masons	Plasterers
Electricians	Plumbers
Elevator Construction	Roofers
Glaziers	Sheet Metal Workers
Mechanists	Sprinkler Fitters
Machinery Movers	Technical Engineers
Ornamental Iron Workers (Local 63)	Tuck Pointers
Insulators	Tapers
Terrazzo Workers	Ironworkers (Local 1)
Tile Layers	Tile Finishers
Lathers	Steel Fabricators (In shop or on site)

For approval of other trades for consideration in the Award Criteria Formula, written approval should be requested from the Construction Manager.

D. Standard of Performance

In addition to performing the Work in full compliance with the Contract Documents, the Trade Contractor will perform, or cause to be performed, all Work required of it under the terms and conditions of this Contract with that degree of skill, care, and diligence normally exercised by

qualified and experienced Trade Contractors in performing work in projects of a scope and magnitude comparable to the Project. Unless otherwise specified, all materials and equipment will be new, and of such quality as required to comply with the Contract Documents. The Trade Contractor will, when required, furnish satisfactory evidence as to kind and quality of all materials and equipment. All labor will be performed by workers skilled in their respective trades, and workmanship will be of good quality so that first class work in accordance with the standards of construction set forth in the Contract Documents will result.

E. Permits

1. The Trade Contractor will not be responsible for the building permit cost. However, all other trade specific permits and associated fees will be the responsibility of the Trade Contractor.
2. The nature of the foundation systems required on portions of this Project may be such that submittals, permits, and coordination will be required with the City of Chicago Bureau of Underground. If such systems are required by the Contract, the Trade Contractor, representing its familiarity with these systems and permit processes, is responsible for any and all submittals, fees, coordination, and any other items required to secure approvals required by the authorities having jurisdiction for the installation of these systems.

F. Licenses and Regulations

1. The Trade Contractor will include in the bid for the Project, obtain, and pay for all licenses and certificates of inspection required or necessary for the execution and completion of the Work.
2. The Trade Contractor must give all notices and comply with all laws, ordinances, codes, rules and regulations bearing on the conduct of the Work. If the Trade Contractor observes that the Drawings and specifications are at variance therewith, prompt notification in writing must be given to the Construction Manager. If the Trade Contractor fails to provide such notice, or otherwise performs the Work contrary to pertinent law, ordinances, codes, rules or regulations, the Trade Contractor will bear all costs arising from any Work performed that is contrary to such laws, ordinances, codes, rules, and regulations.
3. The Trade Contractor must also comply with the current regulations of the National Board of Fire Underwriters where applicable, and all other codes named in the specifications for the various divisions of the Work.
4. Regulations applicable to this Project include, but are not limited to, the following:
 - a. City of Chicago Building Codes (latest edition)
 - b. NEC 1990
 - c. NFPA 2006
 - d. Illinois Plumbing Code
 - e. Illinois Accessibility Standards
 - f. Americans with Disabilities Act Guidelines (ADAG)
 - g. ASHRAE/IES, Standard Efficiency Guidelines

5. Where requirements of the applicable building codes differ, the more stringent requirement shall govern. Where requirements conflict, the Construction Manager shall determine which requirement shall govern and the Trade Contractor shall comply with the governing requirement.

6. Submit copies of all permits, licenses, and similar permissions obtained, and receipts for fees paid, to the Construction Manager.

7. It shall be the responsibility of the Trade Contractor to coordinate, procure and pay for all ties necessary for the completion and operation of the fire alarm system. Trade Contractor shall arrange and pay for all fees as required by the City of Chicago Bureau of Electricity.

G. Warranties

1. The Trade Contractor guarantees all of the Work and each and every part thereof, including, by way of illustration and not limitation, all workmanship, materials, equipment, supplies, services, and facilities that are furnished, produced, fabricated, installed, constructed, or built pursuant to the Contract Documents for the respective periods of time called for by the respective requirements of the Contract Documents, and, if no period is specified, for a period of 1 year, against defects which, in the opinion of the Architect, result from the use of defective or inferior materials, equipment, supplies, services, facilities or workmanship or from Work not in compliance with or not performed in accordance with the Drawings or specifications. The Trade Contractor will provide this guarantee to the Construction Manager in writing using Exhibit H or such other guarantee form as that may be approved by the Commission. The guarantee period will run from and after the date of Substantial Completion of the Work required by the Contract Documents, unless the Contract Documents specify a different date for the commencement of the running of the guarantee period. No part of the Work will be held to be accepted until Substantial Completion of the Work.

2. The Trade Contractor agrees as part of this guarantee to repair or remove and replace, as directed by the Construction Manager, all the Work, materials, equipment, supplies, services, and facilities which prove defective during the applicable guarantee period or which fail to conform to the Contract Documents; to repair, remove and replace, or pay for as directed by the Construction Manager, all damaged portions of the Project and the contents and equipment thereof, resulting from or which are incidental to such defects or failure to conform to the Contract Documents. All repairs, removals and replacements must be commenced within 48 hours (or such other time as may be agreed to by the Commission) of written notice from the Construction Manager, and sufficient labor and materials sufficient must be furnished to ensure prompt completion thereof. Should the Trade Contractor fail to proceed in accordance with the above, the Construction Manager, without further notice to the Trade Contractor, may furnish all labor and material necessary for repairs, or removals and replacements, and the Trade Contractor agrees to pay the Commission all such costs incurred.

3. Manufacturer's Warranties

The Trade Contractor will ensure that all required Manufacturer's Warranties are assignable, and assigned, to the Commission and/or User Agency, and submit all applicable Manufacturer's Warranties to the Commission Representative and ensure that all warranty

forms have been completed in the Commission's and/or User Agency's name and registered with the appropriate manufacturers.

Repairs and replacements made by the Trade Contractor pursuant to this section will include a Manufacturer's Warranty, if standard with the Manufacturer, in addition to the Trade Contractor's Warranty.

H. Compliance with Environmental Laws

1. The Trade Contractor must comply with all environmental laws including, without limitation, those listed in the Disclosure Affidavit that must be executed and notarized by the Trade Contractor, and any analogous future local, state, or federal ordinance or statute, rule, or regulation promulgated under or pursuant to the foregoing, and any other present or future law, ordinance, rule, regulation, permit or permit condition, order, or directive which regulates, relates to, imposes liability for, or establishes standards of conduct concerning any Hazardous Materials that may be set forth by the Federal government, any state or any political subdivision thereof, or any agency, court, or body of the Federal government, any state or any political subdivision thereof, exercising executive, legislative, judicial, regulatory, or administrative functions (collectively, "Environmental Laws").
2. If the Trade Contractor is required, pursuant to any Environment Laws, to file any notice or report of a release or threatened release of Hazardous Materials or Special Wastes on or about any premises used by Trade Contractor to perform the Work required hereunder, the Trade Contractor must provide a copy of such report or notice to the Construction Manager and if a release or threatened release of Hazardous Materials or Special Waste into the environment occurs, or if any claim, demand, action or notice is made against the Trade Contractor regarding the Trade Contractor's failure or alleged failure to comply with any Environmental Law, the Trade Contractor must notify the Construction Manager and the Commission Representative pursuant to Section F, "Disposal of Materials, Construction Debris, Soil, and Waste," herein below.
3. If the Trade Contractor fails to comply with any Environmental Law, Construction Manager may terminate this Contract in accordance with the default provisions of this Contract, which may adversely affect Trade Contractor's eligibility for future contract awards from the Commission and Construction Manager.

I. Environmental Permits

1. The Trade Contractor must show evidence of, and keep current throughout the term of this Contract, all waste hauling, Special Waste hauling, disposal permits and insurance certificates required by Federal, State, City, or other local governmental body or agency pursuant to any Environmental Law.
2. When requested by the Construction Manager, the Trade Contractor must submit copies of all hauling permits required by any Environmental Law. Copies of all permits and insurance certificates that require periodic renewal must be forwarded to the Construction Manager throughout the duration of this Contract. Noncompliance with this requirement may be cause for rejection of the bid and/or termination of this Contract.
3. Environmental Records and Reports: The Trade Contractor is required to prepare and

maintain proper, accurate and complete records of accounts of all transactions related to the performance of this Contract, including, but not limited to the following:

- a. Vehicle maintenance records.
- b. Safety and accident reports.
- c. IEPA or OSHA manifests.
- d. Disposal records, including disposal site used, date, truck number and disposal weight.
- e. Permit documentation and all other documentation and transactions pertaining to all Environmental Laws.

J. Energy Conservation Ordinance

Whenever the Trade Contractor is required to build new building(s) or structures, construct additions or make alterations to existing buildings, install systems such as mechanical, service water-heating, electrical distribution, and illumination, or install other equipment, it will be required to comply with Chapter 18-13 of the Municipal Code of Chicago, as well as any other pertinent Environmental Laws.

K. Environmental Controls

In performing the Work, the Trade Contractor must comply with all Federal, State, and local statutes, ordinances, and directives with respect to the elimination of excessive noise and pollution of air, water, and soil due to construction and other operations. Attention must be given to reduce the noise of heavy construction equipment and to the control of dust, smoke, and fumes from construction equipment and other operations on the Site, and the dirt and noise created by heavy truck operations over City streets in accordance with ordinances of the City and orders of the Commission. The discharge of Hazardous Materials into waterways and City sewers is prohibited.

L. Equipment and Environmental Control during Transport

The Trade Contractor must haul materials, construction debris, soil, and other wastes in vehicles and/or containers complying with all applicable Environmental Laws. All equipment used to transfer materials, construction debris, soil and other wastes will be designed to prevent spillage during the hauling operation. The Trade Contractor's equipment must fully comply with all City, State, and Federal regulations, laws, and ordinances pertaining to size, load, weight, safety, and any Environmental Law.

M. Disposal of Materials, Construction Debris, Soil, and Waste

1. The Trade Contractor is responsible for the proper disposal of all materials, construction debris, soil and other waste. Hauling and disposal by a sub tier subcontractor does not relieve the Trade Contractor from responsibility for proper disposal. Disposal of all materials, construction debris, soil, and other wastes must be at a disposal site that is properly licensed and permitted to accept the particular materials, construction debris, soil and other wastes delivered to it in accordance with all Environmental Laws. The Trade Contractor will identify the disposal site(s) or transfer station(s) to which it has contractual

access and for which proper, sanitary landfill permits and/or licenses have been obtained. All of Trade Contractor's personnel shall be trained in the proper handling of the materials that are found.

2. The Trade Contractor must provide the Construction Manager with copies of all load tickets, manifests, bills of lading, scale tickets, and other pertinent documents. When requested by the Construction Manager, the Trade Contractor will provide copies of all permits and/or licenses for the proposed transfer station and/or landfill. If the transfer station and/or landfill proposed for use by the Trade Contractor does not possess the necessary permits and/or licenses to accept the materials, construction debris, soil or other wastes, the Trade Contractor will replace the transfer station and/or landfill submitted as part of their bid proposal at no additional cost to the Construction Manager. If the Trade Contractor disposes of materials, construction debris, soil or other wastes at a site which is not properly permitted, the Trade Contractor will be responsible for all costs associated with the removal of the waste to a properly licensed/permitted landfill or disposal site.
3. The Trade Contractor must notify the Construction Manager within 24 hours of receipt of any environmental complaints, fines, citations, violations, or notices of violation ("Claim") by any governmental body or regulatory agency against the Trade Contractor by any third party relating to the loading, hauling, or disposal of materials, construction debris, soil, or other wastes. The Trade Contractor will provide evidence to the Construction Manager that any such Claim has been addressed to satisfaction of the issuer or initiator of such Claim.
4. The Trade Contractor must notify the Construction Manager of any community meeting, media involvement, or media coverage related to the loading, hauling or disposal of materials, construction debris, soil, and other wastes under this Contract in which the Trade Contractor is asked to participate.
5. The Trade Contractor must verify, in writing, whenever requested by the Construction Manager, that all materials, construction debris, and other waste accepted by the Trade Contractor from the Construction Manager has been disposed of in compliance with all Environmental Laws.
6. The form for identifying the Trade Contractor's debris disposal/hauling site(s) and acknowledging terms and conditions relating thereto which has been executed by the Trade Contractor may be attached to this Contract and incorporated by reference, as appropriate. In addition to the representations and requirements contained in the form, the Trade Contractor understands and agrees that the Trade Contractor, unless otherwise authorized in writing by the Construction Manager, must not continue to use a disposal/hauling site identified in the form that (i) has been cited as being in violation of any Environmental Law, regulation, or any City ordinance; or (ii) does not have a necessary permit. If only one site was identified in the form, the Trade Contractor must arrange for a substitute disposal/hauling site that meets the requirements specified in the form and provide a revised form to the Construction Manager. The Trade Contractor further understands and agrees that any such substitution is at no additional cost to the Construction Manager, regardless of the reason necessitating such substitution.

N. Open Dumping Prohibited

1. The removal of all recyclable materials and garbage, refuse, or other waste material,

including but not limited to broken concrete, bricks, rocks, paving asphalt, and incidental debris generated from all construction or demolition activities performed under this Contract, must be transported to a facility that is zoned and permitted to accept such material pursuant to Section 11-4 of the City of Chicago Municipal Code and all applicable local, state, and federal regulations.

2. Bills of Lading, manifests, or other confirmatory receipts signed by a representative of accepting facility for each load of material must be retained by the Trade Contractor and made available to the Construction Manager upon request.

O. LEED Certification Requirements

1. The Trade Contractor must assist the Construction Manager, on behalf of the Commission, to achieve the LEED Certification level required for this project. The LEED Scorecard (Registered Project Checklist) identifying the LEED version and level, as well as prerequisites and credits to be achieved, is attached. The Trade Contractor must implement construction of the Project and provide documentation, in accordance with the requirements of the LEED version promulgated by the US Green Building Council indicated in the attached LEED Checklist so that the Commission can achieve the LEED rating identified.
2. The Trade Contractor must make all required LEED submittals to the Construction Manager Representative. The format and number of submittals must be approved by the Construction Manager.
3. The Trade Contractor must take the actions listed below (as applicable to the Work) regarding LEED, within the time periods specified.
 - a. Erosion and Sedimentation Control Plan (if applicable) must be submitted within fifteen (15) days of the NTP. The Trade Contractor must implement the approved Plan prior to start of work on the Project site. The Trade Contractor may be required to incorporate or maintain an existing Plan from a previous phase of the work.
 - b. Construction Waste Management Plan must be submitted within fifteen (15) days of NTP. The Construction Waste Management Coordinator must be identified and the approved plan be completed prior to the start of construction.
 - c. Materials and Resources Plan must be submitted within thirty (30) days of the NTP
 - d. Volatile Organic Compounds Plan must be submitted within thirty (30) days of NTP
 - e. Construction Indoor Air Quality Plan must be submitted within thirty (30) days of NTP.

P. Indemnification

1. The Trade Contractor covenants to and must indemnify, defend and hold harmless the following indemnitees: the Commission, the Chicago Public Schools, the Architect and its consultants, the Commission Representative and the Chicago Board of Education, their respective Executive Directors, board members, officers, employees and representatives, individually and collectively, ("Indemnitees") from all claims, demands, actions and the like, of every nature and

description, made or instituted by third parties, arising or alleged to arise out of the Work under this Contract. This indemnity includes any and all expenses incurred in connection with the investigation of any claim or the defense of any lawsuit brought by any third party, including all court costs and actual attorneys' fees incurred by the Indemnities herein. This indemnification is not limited by any amount of insurance required under this Contract. Further, the indemnity contained in this section will survive the expiration or termination of this Contract. If any injury (including death), loss or damage (or claim or claims therefore) occurs or is alleged to have occurred, the Trade Contractor must give immediate notice thereof to the Commission Representative.

To the extent permissible by law, Trade Contractor waives any limits to the amount of its obligations to indemnify, defend or contribute to any sums due under any losses, including any claim by an employee of Trade Contractor that may be subject to the Workers Compensation Act, 820 ILCS 305/1 et seq or any other law or judicial decision (such as Kotecki v. Cyclops Welding Corporation, 146 Ill. 2d 155 (1991)). The Commission, however, does not waive any limitation it may have on its liability under the Workers' Compensation Act or the Illinois Pension Code.

2. The Trade Contractor shall be solely responsible for the defense of any and all claims, demands, or suits against the Indemnitees, including, without limitation, claims by an employee, sub tier subcontractors, agents, or servants of Trade Contractor even though the claimant may allege that the Indemnified Parties were in charge of the Work or allege negligence on the part of the Indemnified parties. The Commission will have the right, at its sole option, to participate in the defense of any such suit, without relieving the Trade Contractor of its obligations hereunder.

3. The obligations of the Trade Contractor under this Article do not extend to the liability of the Architect, its agents or employees arising out of: the preparation or approval of maps, Drawings, opinions, reports, surveys, Change Orders, designs or specifications, or the giving or failure to give directions or instructions by the Architect, its agents, or employees, provided such giving or failure to give directions or instructions is the primary cause of the injury or damage.

4. The Trade Contractor will promptly provide, or cause to be provided, to the Executive Director and Commission Representative, copies of such notices as Trade Contractor may receive of any claims, actions, or suits as may be given or filed in connection with the Trade Contractor's performance or the performance of any Sub tier subcontractor and for which the Indemnified parties are entitled to indemnification hereunder and to give the Indemnities authority, information, and assistance for the defense of any claim or action.

Q. Insurance

1. The Trade Contractor must procure and maintain at all times, at Trade Contractor's own expense, through the completion of the warranty period, the types of insurance specified in Exhibit E of the Agreement for Construction Management Services between the Public Building Commission and Bovis Lend Lease, Inc. dated June 15, 2010, with insurance companies authorized to do business in the State of Illinois and acceptable to the Commission, covering all operations under this Contract, whether performed by the Trade Contractor or by sub tier subcontractors. Upon written request by the Commission, the Trade Contractor must allow the Construction Manager or Commission to review and copy any original insurance policies the Trade Contractor is obligated to maintain under this policy.

2. The Trade Contractor waives any and every claim or right of recovery from the

Construction Manager and Commission for any and all injuries and losses arising under this Contract or in any way related to the Work, including but not limited to any claim for loss of or damage to the Work or to the contents thereof, which injury, loss, or damage is covered by valid and collectible insurance policies, to the extent that such injury, loss, or damage is recoverable under said insurance policies. As this waiver will preclude the assignment of any claim by subrogation (or otherwise) to an insurance company (or any other person), the Trade Contractor agrees to give each insurance company which has issued, or in the future may issue, its policies of insurance, written notice of the terms of this waiver, and to have said insurance policies properly endorsed, if necessary, to prevent the invalidation of insurance coverage by reason of said waiver. The Trade Contractor must require each Sub tier subcontractor to include similar waivers of subrogation in favor of the Commission.

3. The Trade Contractor must cause contractual liability endorsement to be issued by the insurance companies and attached to the Commercial General Liability policies of each Trade Contractor and/or Sub tier subcontractor to include under the coverage therein extended an obligation on the part of the insurers to insure against the Trade Contractor and/or each Sub tier subcontractor's contractual liability under this Article. Such coverage will be afforded therein against all claims arising out of the operation of any structural work law or law imposing liability arising out of the use of scaffolds, hoists, cranes, stays, ladders, supports, or other mechanical contrivances.

The Commission reserves the right to change, modify or delete insurance requirements set forth in the Contract Documents, including, without limitation, the right to request that the Trade Contractor provide additional types of insurance.

R. Ownership of Drawings, Specifications and Models

All copies of Drawings and specifications furnished by the Architect are the property of the Commission. Such copies are not to be used on any other work or project and, with the exception of the signed Contract set, are to be returned to the Construction Manager with a copy of the transmittal letter to the Authorized Commission Representative at the completion of the Work. All models are the property of the Commission.

S. Right of Entry

1. The Trade Contractor, and any of its officers, employees, agents, and sub tier subcontractors, are permitted to enter upon any part of the Site owned by the Commission or User Agency in connection with the performance of the Work hereunder, subject to the terms and conditions contained herein and those rules that may be established by the Construction Manager, Commission or User Agency. The Trade Contractor must provide advance notice to the Construction Manager of Trade Contractor's initial entry onto the Site. Consent to enter upon all or any part of the Site given by the Construction Manager, Commission or User Agency will not create, nor be deemed to imply the creation of, any additional responsibilities on the part of the Construction Manager, Commission or User Agency.

2. Inspections. The Trade Contractor acknowledges that the Commission, the User Agency, the Architect and the Construction Manager have the right of access to the Site at all times and the right to inspect all Work during the term of the Contract.

3. The Trade Contractor must use, and must cause each of its officers, employees, agents,

and Sub tier subcontractors to use, the highest degree of care when entering upon property owned by the Commission or User Agency in connection with the Work. In the case of any property owned by the Commission or User Agency, or property owned by and leased from the Commission or User Agency, Trade Contractor must comply, and must cause each of its officers, employees, agents, and Sub tier subcontractors to comply, with any and all instructions and requirements for the use of such property, including any licenses for which requirement is being incorporated by reference. Any and all claims, suits, judgments, costs, or expenses, including reasonable attorneys' fees, arising from, by reason of, or in connection with any such entry is treated in accordance with the indemnification provisions contained in this Contract.

T. Use of Completed Portions of the Work

1. After Substantial Completion of the Work in any space(s) in the Project, the Commission will have the right to use and occupy such space(s) in advance of Final Completion and Acceptance of the Work, provided that the Commission's occupancy and use of such spaces will not unduly interfere with the Trade Contractor's operations nor delay completion of the Work. Occupancy and use of any space(s) in the building by the Commission or User Agency will not constitute Substantial Completion in the absence of written notification of Substantial Completion of the affected portion of the Work from the Architect.

2. If the Commission desires to exercise the right of partial occupancy prior to Substantial Completion and Final Completion and Acceptance of the Work as provided below, the Trade Contractor will cooperate with the Commission in making available for the Commission's use such services as heating, ventilating, cooling, water, lighting, and telephone for the space(s) to be occupied. If the equipment required to furnish such services is not entirely complete at the time the Commission desires to occupy the aforesaid space(s), the Trade Contractor will make all reasonable efforts to complete it as soon as possible.

3. The Commission's occupancy or use of such space(s) in the Project will not constitute the Commission's acceptance of any Work, materials, or equipment which are not in accordance with the requirements of the Contract Documents, nor relieve the Trade Contractor from its obligations or responsibilities under the Contract.

4. In any case, when the Commission occupies or begins to use any portion of the Work pursuant to this Section __, the Commission will give the Trade Contractor notice in writing of its occupancy and/or use of the space(s) involved.

U. No Assignment of Contract

The Contract must not be assigned or any part of the same subcontracted without the written consent of the Construction Manager. If the Construction Manager provides consent, such consent does not relieve the Trade Contractor from any of its obligations under the terms of the Contract, and Trade Contractor shall remain responsible for satisfactory performance of all Work undertaken by its sub tier subcontractor(s).

V. Trade Contractor Must Comply with All Laws

1. The Trade Contractor must at all times observe and comply, and must cause its sub tier subcontractors to observe and comply, with all applicable Federal, State and local laws,

ordinances, codes, rules, regulations, and executive orders, now existing or hereinafter in effect, which may in any manner affect the performance of the Contract. Provision(s) required by law, ordinance, codes, rules, regulations, or executive orders to be inserted in this Contract are deemed inserted, whether or not they appear in this Contract. In no event does the failure to insert such provision(s) prevent the enforcement of such provision(s) of this Contract.

2. In performing the Work, the Trade Contractor must follow the most stringent of the applicable agency and code requirements. The Trade Contractor is fully responsible for ascertaining and complying with all agency and code requirements applicable to the Work.

W. Equal Employment Opportunity

1. The Trade Contractor will be required to comply with all laws with respect to the employment of labor and payment of local prevailing wage rates.

2. Non-Discrimination

- a. It is an unlawful employment practice for a Trade Contractor to fail to hire, to refuse to hire, to discharge, or to discriminate against any individual with respect to compensation or the terms, conditions, or privileges of employment because of such individual's race, color, religion, sex, age, handicap, or national origin; or to limit, segregate, or classify employees or applicants for employment or otherwise; or to adversely affect such individual's status as an employee because of such individual's race, color, religion, sex, age, handicap, or national origin.
- b. Federal Requirements. Each Trade Contractor will comply with the Civil Rights Act of 1964, 42, U.S.C. Sec. 2000 et seq. (1981), as amended. Each Trade Contractor will further comply with all applicable provisions of the Civil Rights Act of 1964, 28 U.S.C. 1447, 42 U.S.C. 1971, 1975a-1975d, 2000a to 2000h-6 (1992); the Age Discrimination in Employment Act of 1967, 29 U.S.C. 623-634 (1992); the Americans with Disabilities Act of 1990, 29 U.S.C. 706, 42 U.S.C. 12101-12213, 47 U.S.C. 152, 221, 225, 611 (1992); 41 C.F.R. 60 (1992); reprinted in 42 U.S.C. 2000(e) note, as amended by Executive Order No. 11,375 32 Fed. Reg. 14,303 (1967) and by Executive Order No. 12,086, 43 Fed. Reg. 46,501 (1978); the Age Discrimination Act, 43 U.S.C. Sec. 6101-6106 (1981); P.L. 101-336; 41 C.F.R. part 60 et seq. (1990).
- c. State Requirements. Each Trade Contractor must comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et seq. (1990), as amended, the Discrimination in Public Contracts Act, 775 ILCS 10/0.01 et seq. (1990), as amended, and the Environmental Barriers Act, 410 ILCS 25/1 et seq. The Trade Contractor will furnish such reports and information as requested by the Commission and the Illinois Department of Human Relations.
- d. City Requirements. Each Trade Contractor must comply with the Chicago Human Rights Ordinance, Chapter 2-160, Section 2-160-010 et seq. of the Municipal Code (1990), as amended. Further, each Trade Contractor will furnish such reports and information as requested by the Chicago Commission of Human Relations.
- e. Sub tier subcontractors. Each Trade Contractor agrees that all of the above provisions

will be incorporated in all agreements entered into with any suppliers of materials, providers of services, sub tier subcontractors of any tier, and labor organizations which furnish skilled, unskilled, and craft union skilled labor, or which may provide any such materials, labor, or services in connection with this Contract.

3. Employment procedures: Preferences and Compliance

- a. Salaries of employees of Trade Contractor, performing Work under this agreement, will be paid unconditionally, and not less often than once a month, without deduction or rebate on any account except such payroll deductions as are mandatory or permitted by applicable law or regulations.
- b. Trade Contractor certifies that it is familiar with, and will comply with, all applicable provisions of 820 ILCS 130/0.01 through 130/12 thereof (Prevailing Wage Act), 30 ILCS 570/1 through 570/7 (Employment of Illinois Workers on Public Works Act) and 30 ILCS 560/0.01 through 560/7 (Public Works Preference Act).
- c. The Trade Contractor will also comply with all applicable Anti-Kickback laws and regulations, including the Anti-Kickback Act of June 13, 1934 (48 Stat. 948; 62 Stat. 740; 63 Stat. 108; 18 U.S.C. § 874; 40 U.S.C. § 276c) and the Illinois Criminal Code of 1961 720 ILCS 5/33E-1 *et seq.* If, in the performance of this agreement, there is any direct or indirect kickback as defined in any of the above-mentioned laws and regulations, the Commission may withhold from the Trade Contractor, out of payments due to the Trade Contractor, an amount sufficient to pay any underpaid employees the difference between the salaries required to be paid and the salaries actually paid such employees for the total number of hours worked. The amounts withheld may be disbursed by the Commission for and on account of the Trade Contractor to the respective employees to whom they are due, as determined by the Commission in its sole discretion.

4. The Trade Contractor assumes all liability for the payment of any unemployment benefits payable under any federal or state law to individuals employed by it during the progress of the Work covered by this Contract.

5. The Trade Contractor agrees that in performing this Contract it will comply with: the Minority Business Enterprise/Women Business Enterprise Special Conditions of Schedule 3 "MBE/WBE Special Conditions," attached hereto, and residency requirements of Paragraph C below, Chicago Residents As Employees.

6. A breach of any of the requirements of this Section may be grounds for termination of the Contract.

X. Chicago Residents As Employees

1. Policy and Terms

- a. Attention is called to an ordinance passed by the City of Chicago on May 18, 1994, City of Chicago Residence Preference Ordinance and the resolution of the Board of Commissioners of the Public Building Commission adopted August 9, 1994.

b. The Trade Contractor agrees to ensure that the aggregated hours of Work to be performed by the Trade Contractor and sub tier subcontractors under this Contract will be performed such that at least 50% of the on-Site work is performed by actual residents of the City of Chicago. These minimal percentage levels of Chicagoans as laborers and skilled trade Workers are not to be understood as limiting or determining the fuller utilization of Chicagoans beyond these numerical levels, but are intended instead as minimum requirements unless the Commission grants a waiver based upon demonstration by the Trade Contractor of impracticability or excessive cost of complying with the specified percentages. A waiver or reduction will be considered if the Trade Contractor has unsuccessfully solicited a sufficient number of residents of the City of Chicago to perform the Work and has documented such effort to the satisfaction of the Commission. In addition, a Trade Contractor seeking a waiver or reduction will provide timely notice of the need for qualified residents of the City of Chicago to an appropriate source of referrals, in which the source is entitled to comment on any waiver or reduction application.

c. Community Hiring

(1) With respect to this construction contract, it is the policy of the Public Building Commission of Chicago to encourage creation of career opportunities for interested residents of the project community within the construction trades, and to encourage employment of both skilled and unskilled workers from among available residents of the project community. The following project community resources are available as employment referral sources in connection with this Contract:

a) Skill Builders

The goal of Skill Builders is to increase the number of Chicago residents in building and construction trades. The program provides pre-apprenticeship training and support to students from entry into the Skill Builders program until employment on a job site.

The Trade Contractor should utilize minority and female participants who have gone through the program successfully whenever possible. Information regarding the program and its participants is available from the Public Building Commission at (312) 744-3090. Utilization of such participants may assist the Trade Contractor in meeting its commitment in the minority and female apprentice categories.

(2) The Trade Contractor also agrees that 7.5% of the aggregated hours of Work to be performed by the Trade Contractor and sub tier subcontractors under this Contract will be performed by "residents of the project community."

i) Two-thirds of the 7.5% (or 5%) of the aggregate hours of Work to be performed by the Construction Manager and Subcontractors under this Contract may be complied with new hires or current employees of the Construction Manager and Subcontractor who are construction trade workers and residents of the Project Community.

ii) One-third of the 7.5% (or 2.5%) of the aggregate hours of Work to be performed by the Construction Manager and Subcontractors under this

Contract must be new hires who are residents of the Project Community and may be comprised of construction trade workers or jobsite support positions, traffic monitoring personnel, field engineer, superintendent, project manager and site administrative support staff.

- (3) In order to encourage maximum employment of interested and available residents of the project community on this project, the following bonus calculation applies: In calculating the worker hours performed by actual residents of the City of Chicago, hours worked by residents of the project community will be multiplied by 1.5 for the purpose of determining the award criteria calculation in the bid.
- (4) The Commission is aware that certain subcontract agreements under this Contract may obligate sub tier subcontractors to fulfill requirements for employment of City of Chicago residents under this Contract. Should the Trade Contractor receive bonus calculations under the foregoing provisions as a result of residents of the project community employed by any sub tier subcontractor obligated to fulfill requirements for employment of City of Chicago residents, then the Trade Contractor must allow a bonus, in the same amount it receives, in favor of each and every such Sub tier subcontractor.

2. Definitions

- a. "Actual residents of the City of Chicago" means persons domiciled within the City of Chicago. Salaried superintendents are excluded from the coverage of this Section. Domicile is an individual's one and only true, fixed, and permanent home and principal establishment.
- b. "Residents of the project community" means persons domiciled within the City of Chicago and within the "Community," as defined the Community Area Map attached as Schedule 1 to Exhibit J to the Agreement, in which the Project Site is located.
- c. "New hires" shall mean residents of the Project Community who have been employed by the Construction Manager or Subcontractor for the first time as a permanent, full-time employee of the firm.

3. Compliance and Reporting

- a. The Trade Contractor will provide for the maintenance of adequate employee residency records to document that actual Chicago residents and community residents are employed on the Project. The Trade Contractor (and sub tier subcontractors) will maintain copies of personnel documents supportive of every Chicago employee's record of actual residence.
- b. Weekly Certified Payroll reports (U.S. Department of Labor Form WH-347 or equivalent) submitted to the Commission will identify clearly the actual residence of every employee on each submitted certified payroll. The first time that an employee's name appears on a payroll, the date that the company hired the employee should be written in after the employee's name.
- c. Full access to the Trade Contractor's and sub tier subcontractors' employment records

will be granted to the Construction Manager, the Commission or any duly authorized representative thereof. The Trade Contractor and sub tier subcontractors will maintain all relevant personnel data for a period of at least 3 years after Final Completion and Acceptance of the Work.

- d. At the direction of the Construction Manager, affidavits and other supporting documentation will be required of the Trade Contractor to verify or clarify an employee's actual address or change of actual address when doubt or lack of clarity has arisen.
4. Non-compliance
- a. Good faith efforts on the part of the Trade Contractor to provide utilization of Chicago residents and community residents will not suffice to replace the actual, verified achievement of the requirement concerning the worker hours performed by actual Chicago residents.
 - b. For the purpose of adjusting the level of Retainage, the Construction Manager will review compliance at 50%, 75%, and 90% completion of the Work. If the Commission has determined that the Trade Contractor was not compliant in the fulfillment of the required percentages of aggregated worker hours by actual Chicago residents, or has failed to report in the manner indicated above under "Compliance and Reporting," the Commission will be damaged in the failure to provide the benefit of demonstrable employment to Chicagoans and community residents to the degree stipulated in this Section. Therefore, in such case of non-compliance it is agreed that 1/20 of 1 %, (0.0005), of the Contract Price, as adjusted by any Change Orders, be withheld by the Construction Manager in payment for each percentage of shortfall toward the stipulated residency requirement. Failure to report the residency and hours of all employees entirely and correctly will result in the surrender of the entire liquidated damages as if no Chicago residents were employed in either of the categories.
 - c. Construction Manager, in its sole discretion, shall determine when to withhold such liquidated damages.
 - d. Failure of the Trade Contractor to meet the 7.5% minimum community hiring requirement, or failure to pay any balance due the Construction Manager, may result in the Executive Director determining that the Trade Contractor must re-qualify and that the Trade Contractor is no longer a responsible bidder.
5. Nothing herein provided is to be construed to be a limitation upon the Notice of Requirements for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246) and Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246), or other affirmative action requirements under the regulations promulgated by applicable federal, state or local authorities.

Y. Veteran's Preference

The Trade Contractor will ensure that the following provision is inserted in all contracts entered into with any sub tier subcontractors and labor organizations which furnish skilled, unskilled and

craft union skilled labor, or which may provide any material, labor, or services in connection with this Contract.

“Trade Contractor will comply with the provisions of 330 ILCS 55/0/01 et. seq., which requires that a preference be given to veterans in the employment and appointment to fill positions in the construction, addition, or alteration of all public works. In the employment of labor (except executive, administrative, and supervisory positions) preference will be given to veterans of hostilities and disabled veterans; however, this preference may be given only where the individuals are available and qualified to perform the Work to which the employment relates.”

Z. Trade Regulations

Wherever any provision of any section of the specifications conflicts with any agreements or regulations of any kind at any time in force among members of any trade associations, unions, or councils which regulate or distinguish what work will or will not be included in the work of any particular trade, the Trade Contractor will make all necessary arrangements to reconcile any such conflict without delay, damage or cost to the Construction Manager and without recourse to the Commission, Architect, or the Commission Representative. In case the progress of the Work is affected by any undue delay in furnishing or installing any items of material or equipment required under the Contract because of a conflict involving any such agreement or regulation, the Architect may require that other material or equipment of equal kind and quality be provided at no additional cost to the Construction Manager or the Commission.

AA. Steel Products

To the extent permitted by law, this Contract will be subject to all provisions of the “Steel Products Procurement Act,” 30 ILCS 565/1 et seq. as it may be amended from time to time.

BB. Inspector General

1. It is the duty of any bidder, proposer, Trade Contractor, all sub tier subcontractors and all officers, directors, agents, partners and employees of any such entities on City-funded contracts to cooperate with the Inspector General of the City in any investigation or hearing undertaken pursuant to Chapter 2-56 of the Chicago Municipal Code. Each Trade Contractor understands and will abide by all provisions of Chapter 2-56 of the Municipal Code of Chicago.

2. All Trade Contractors will inform their respective sub tier subcontractors of this provision and require compliance herewith.

CC. Covenant against Contingent Fees

The Trade Contractor warrants that it has not employed any person to solicit or secure this Contract upon any agreement for a commission, percentage, brokerage, or contingent fee. Breach of this warranty will give the Commission the right to terminate the Contract, or, in its discretion, to deduct from the Contract Price the amount of such commission, percentage, brokerage, or contingent fees. This warranty does not apply to any commission payable by the Trade Contractor upon contracts or sales secured or made through bona fide established commercial or selling agencies maintained by the Trade Contractor for the purpose of securing business.

DD. Taxes

1. The Trade Contractor will pay for all federal, state, and local taxes on all materials, labor, or services furnished, and all taxes arising out of the operations under this Contract. Such taxes include, by way of illustration and not in limitation thereof, Retailers' Occupational, Old Age Benefit, Unemployment, customs, duties, and all deductions for income taxes now in force or hereafter enacted prior to Final Completion and Acceptance of the Work. This requirement excludes taxes and assessments on real property comprising the Site and Illinois, County and Municipal Retailers' Occupation and Service Occupation Taxes and Illinois Use, Sales and Service Use Taxes on building materials and fixtures to be incorporated into the Work but does include such taxes on building materials and equipment consumed or used in performing the construction, but not incorporated in it.

2. The Public Building Commission of Chicago, a municipal corporation and political subdivision of the State of Illinois, is exempt from federal Excise Taxes. The State of Illinois Tax Exemption Identification Number is E9978-1506-05.

EE. Royalties and Patents

1. All fees for any patent invention, article or arrangement or other appurtenances that may be used upon or in any manner connected with the construction, erection or maintenance of the Work, or any part thereof embraced in the Contract, will be included in the Base Contract Price.

2. The approval of any method of construction, invention, appliance, process, article, device, or material of any kind by the Commission will only be an approval of its adequacy for the Work, and will not be an approval of the use thereof by the Trade Contractor in violation of any patent or other rights of any third person.

FF. Conflict of Interest

No member of the governing body of the Commission and no other officer, employee, or agent of the Commission or other unit of government who exercises any functions or responsibilities in connection with this Contract will have any personal interest, direct or indirect, in this Contract. Each Trade Contractor covenants that it; its officers, directors and employees; the officers, director and employees of each of its members if a joint venture; and sub tier subcontractors presently have no interest and will not acquire interest, direct or indirect, in the Project which would conflict in any manner or degree with the performance of the Work hereunder. Each Trade Contractor further covenants that in the performance of this Contract, no person having any such interest will be employed. Each Trade Contractor agrees that if the Commission determines that any of a Trade Contractor's work for others conflicts with the Work, that the Trade Contractor will terminate such other services immediately upon request of the Commission.

GG. Governmental Ethics Ordinance

1. Each Trade Contractor will comply with Chapter 2-156 of the Municipal Code of Chicago, Governmental Ethics, including but not limited to Section 2-156-120 of that chapter pursuant to which no payment, gratuity, or offer of employment will be made in connection with

any Commission contract, by or on behalf of a sub tier subcontractor to the prime Trade Contractor or higher tier sub tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

2. Any contract negotiated, entered into, or performed in violation of any of the provisions of this Section will be voidable by the Construction Manager and/or the Commission.

HH. Disclosure Affidavit

1. The Trade Contractor is required to file a fully executed Disclosure Affidavit with the Commission no less than annually. Such document must be signed by an authorized officer of the company before a notary and is incorporated by reference into this Contract.

2. Such Disclosure Affidavit certifies, among other things, that the Trade Contractor and each joint venture partner, its agents, employees, officers, and any sub tier subcontractors:

- a. have not engaged in or been convicted of bribery or attempted bribery of a public officer or employee of the City of Chicago, the State of Illinois, the Commission, any agency of the federal government or any state or local government in the United States;
- b. have not been engaged in or been convicted of bid-rigging or bid-rotation activities as defined in the Disclosure Affidavit;
- c. are not presently debarred or suspended by any local, state or federal procurement agency;
- d. do not owe any debts to the State of Illinois, in accordance with 65 ILCS 5/11-42.1-1; and
- e. do not owe any debts to the City of Chicago in violation of Chapter 2-92-380 of the Municipal Code of Chicago.

II. Disclosure of Retained Parties

The Trade Contractor is required to submit a fully executed Disclosure of Retained Parties to the PBC and Bovis Lend Lease, Inc. Such documents must be signed by an authorized officer of the company before a notary and are incorporated by reference into this Contract.

JJ. Non-Collusion, Bribery of a Public Officer or Employee

1. Each Trade Contractor, in performing under this Contract, will comply with Section 2-92-320 of the Municipal Code of Chicago as follows:

- a. No person or business entity will be awarded a Contract or subcontract if that person or business entity:
- b. Has been convicted of bribery or attempting to bribe a public officer or employee of the City of Chicago, the State of Illinois, or any agency of the federal government or

any state or local government in the United States, in that officers or employees official capacity; or

- c. Has been convicted of agreement or collusion among bidders or prospective bidders in restraint of freedom of competition by agreement to bid a fixed price, or otherwise; or
- d. Has made an admission of guilt of such conduct described in (1) or (2) above which is a matter of record but has not been prosecuted for such conduct.

2. For purposes of this section, where an official, agent or employee of a business entity has committed any offense under this section on behalf of such an entity and pursuant to the direction or authorization of a responsible official thereof, the business entity is chargeable with the conduct. One business entity will be chargeable with the conduct of an affiliated agency.

3. Ineligibility under this section will continue for 3 years following such conviction or admission. The period of ineligibility may be reduced, suspended, or waived by the Commission under certain specific circumstances. Reference is made to Section 2-92-320 of the Municipal Code of Chicago for a definition of affiliated agency, and a detailed description of the conditions that would permit the Commission to reduce, suspend, or waive the period of ineligibility.

KK. Consent to Assignment by Commission

Trade Contractor shall execute an Agreement to Subcontract Assignment by the Commission to Construction Manager for the Work.

LL. Parking Violations

1. The Construction Manager will set off a portion of the Contract Price or compensation due under the Contract in an amount equal to the amount of the fines and penalties for each outstanding parking violation complaint and/or the amount of any debt owed by the contracting party to the Construction Manager in all contracts undertaken with City of Chicago funds.

2. For purposes of this provision, outstanding parking violation complaint means a parking ticket, notice of parking violation, or parking violation complaint on which neither has payment been made nor an appearance filed in the Circuit Court of Cook County within the time specified on the complaint. Debt means a specified sum of money owed to the Commission for which the period granted for payment has expired.

3. Notwithstanding the provisions of paragraph 1 above, no such debt(s) or outstanding violation complaint(s) will be set off from the Contract Price or compensation due under the Contract if one or more of the following conditions are met:

- a. The contracting party has entered into an agreement with the Department of Revenue, or other appropriate City department, for the payment of all outstanding parking complaints and/or debts owed to the Commission and the contracting party is in compliance with the agreement; or
- b. The contracting party is contesting liability for or the amount of the debt in a pending administrative or judicial proceeding; or

- c. The contracting party has filed a petition in bankruptcy and the debts owed in the City are dischargeable in bankruptcy.

MM. Child Support Ordinance

1. The City of Chicago through passage of the Child Support Arrearage Ordinance, Municipal Code of Chicago Section 2-92-415, seeks to protect the public interest in contracting with entities which demonstrate financial responsibility, integrity, and lawfulness, and finds that it is especially inequitable for Trade Contractors or their owners to obtain the benefits of public funds while failing to pay court-ordered child support, which shifts the support of their dependents onto the public treasury.

2. For purposes of this section, "Substantial Owner" means any person who owns or holds a 10% or more share of interest in the Trade Contractor; where the Trade Contractor is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

3. Percentage of interest includes direct, indirect and beneficial interests in the Trade Contractor. Indirect or beneficial interest means that an interest in the Trade Contractor is held by a corporation, joint venture, trust, partnership, association, estate or other legal entity, in which the individual holds an interest, or by agent(s) or nominees(s) on behalf of an individual entity. For example, if Corporation B holds or owns a 20% interest in Trade Contractor, and an individual or entity has a 50% or more percentage of interest in Corporation B, then such individual or entity indirectly has a 10% or more percentage of interest in the Trade Contractor. If Corporation B is held by another entity, then this analysis similarly must be applied to that next entity.

4. In accordance with Section 2-92-415 of the Municipal Code of Chicago, if an Illinois court of competent jurisdiction has issued an order declaring one or more Substantial Owners in arrearage on their child support obligations and: (1) at least one such Substantial Owner has not entered into a court-approved agreement for the payment of all such child support owed, or (2) at least one such Substantial Owner is not in compliance with a court-approved agreement for the payment of all such child support owed or both (1) and (2), then:

5. For those bidders in competitive bid contracts, the Commission will assess an 8% penalty. This penalty will increase their bid price for the purpose of canvassing the bids in order to determine who is to be the lowest responsible bidder. This penalty will apply only for purposes of comparing bid amounts and will not affect the amount of any contract payment.

6. The provisions of this section apply only where not otherwise prohibited by federal, state or local law.

52089699 - William Jones College Preparatory High School
CHICAGO, ILLINOIS



**BID PROPOSAL
EXCAVATION**

JANUARY 26, 2011 revised February 8, 2011
PAGE 1 of 3

Bid Due Date: February 17, 2011 / 1:00CST

Bid to: Public Building Commission of Chicago
c/o Bovis Lend Lease
1 N. Wacker Drive, Ste 850
Chicago, IL 60606

Bid from: ROY STROM EXCAVATING & GRADING Co.
(Bidder's Firm Name)
1201 GREENWOOD AVE MAYWOOD IL 60153
(Bidder's Address)
708-344-5000
(Telephone Number)
708-344-4000
(Facsimile Number)

The undersigned, as bidder, declares that he has carefully examined the project site and all Contract Documents and conditions and hereby proposes to furnish all labor, materials, supervision, tools, equipment, insurance, fringe benefits, coordination, engineering, overhead, profit and all other things necessary to complete the work as defined under this Contract for the lump sum amount as follows:

1. Lump Sum Base Bid (INCLUDING Pollution Liability Coverage only, EXCLUDING other insurance and EXCLUDING bond):

ONE MILLION, NINE HUNDRED SEVENTY NINE THOUSAND Dollars \$ 1,979,000.00
(Written) (Figure)

2. Award Criteria Figure (Insert Line 15 of below Award Criteria Formula):

ONE MILLION, NINE HUNDRED FORTY FIVE THOUSAND,
THREE HUNDRED FIFTY SEVEN Dollars \$ 1,945,357.00
(Written) (Figure)

3. Award Criteria Figure Calculations (refer to PBC Exhibit T):

Line 1.	Base Bid, in figures	<u>1,979,000</u>
Line 2.	Percentage of the Journeyworkers hours that the Trade Contractor proposes to be worked by minority Journeyworkers during construction of the project. (Maximum figure 0.50)	<u>.30</u>



BID PROPOSAL
EXCAVATION

JANUARY 26, 2011 revised February 8, 2011
 PAGE 2 of 3

Bid Due Date: February 17, 2011 / 1:00CST

Line 3.	Multiply Line 2 by Line 1 by 0.04	<u>23,748</u>
Line 4.	Percentage of total Apprentice hours that the Trade Contractor proposes to be worked by minority Apprentices during construction of the project. (Maximum figure 0.50)	<u>Ø</u>
Line 5.	Multiply Line 4 by Line 1 by 0.03	<u>Ø</u>
Line 6.	Percentage of the total Laborer hours that the Trade Contractor proposes to be worked by minority Laborers during construction of the project. (Maximum figure 0.50)	<u>.50</u>
Line 7.	Multiply Line 6 by Line 1 by 0.01	<u>9,895</u>
Line 8.	Percentage of total Journeyworker hours that the Trade Contractor proposes to be worked by female Journeyworkers during the construction of the project. (Maximum figure 0.10)	<u>Ø</u>
Line 9.	Multiply Line 8 by Line 1 by 0.04	<u>Ø</u>
Line 10.	Percentage of total Apprentice hours that the Trade Contractor proposes to be worked by female Apprentices during construction of the project. (Maximum figure 0.10)	<u>Ø</u>
Line 11.	Multiply Line 10 by Line 1 by 0.03	<u>Ø</u>
Line 12.	Percentage of the total Laborer hours that the Trade Contractor proposes to be worked by female Laborers during construction of the project. (Maximum figure 0.10)	<u>Ø</u>
Line 13.	Multiply Line 12 by Line 1 by 0.01	<u>Ø</u>
Line 14.	Summation of Lines 3, 5, 7, 9, 11, and 13	<u>33,643</u>
Line 15.	Subtract Line 14 from Line 1 (= "Award Criteria Figure")	<u>1,945,357</u>

4. Schedule Milestones (refer to contract Exhibit B)

4.1. Target Award Date

March 8, 2011

5. Attach an original completed bid bond to this bid form. (per Exhibit F – Bonding).

6. Attach a completed Exhibit E – Bid Alternates to this bid form.

7. Project and Trade Specific Goals for MBE / WBE

Overall project goals are 45% MBE / 8% WBE. Targeted goals for Excavation are 45% MBE / 8% WBE

Bidder's Aspirational Goals for MBE / WBE Participation for Excavation:

MBE 45 %, WBE 8 %

8. Please note goal of 50% for Local Business Subcontracting to be included in base bid (per PBC Exhibit T)



**BID PROPOSAL
EXCAVATION**

JANUARY 26, 2011 revised February 8, 2011
PAGE 3 of 3

Bid Due Date: February 17, 2011 / 1:00CST

9. Please note requirement of 50% for Chicago Residents as Employees in base bid (per PBC Exhibit T)
10. Please note requirement of 7.5% for project Community Resident Hiring in base bid (per PBC Exhibit T)
11. Confirm bid addenda received which are included in this lump sum bid :

Bid Addenda No. <u>1</u>	Date: <u>1/31/11</u>
Bid Addenda No. <u>2</u>	Date: <u>2/19/11</u>
Bid Addenda No. <u>3</u>	Date: <u>2/14/11</u>
Bid Addenda No. <u>4</u>	Date: <u>2/16/11</u>
Bid Addenda No. <u>5</u>	Date: <u>2/18/11</u>

Bidders submit their proposals with the understanding that they may not be withdrawn for sixty (60) days.

Respectfully Submitted, this 22 day of FEBRUARY, 2011.

ROY STROM EXCAVATING + GRADING Co.
(Bidder's Firm Name)


(Signature)

MARK PAEUS

(Printed Name)

VICE PRESIDENT

(Title)

Schedule 3

SPECIAL CONDITIONS REGARDING MBE/WBE PARTICIPATION

MBE/WBE Program

1. Policy Statement

- a. It is the policy of the Commission to ensure competitive business opportunities for MBE and WBE firms in the performance of Contracts, to prohibit discrimination in the award of or participation in Contracts, and to abolish arbitrary barriers to full participation in Contracts by all persons, regardless of race, sex or ethnicity. Therefore, during the performance of this Contract, the Trade Contractor and Sub tier subcontractor must agree that it will not discriminate against any person or business on the basis of race, color, religion, ancestry, age, marital status, physical or mental handicap, unfavorable discharge from military service, parental status, sexual orientation, national origin or sex, in the solicitation or the purchase of goods and services or the subcontracting of work in the performance in this Contract.
- b. The Commission requires the Trade Contractor and Sub tier subcontractor also agree to take affirmative action to ensure that MBE and WBE firms have the maximum opportunity to compete for and perform subcontracts with respect to this Contract.
- c. The Commission requires the Trade Contractor and Sub tier subcontractor to notify MBE and WBE firms, utilized on this contract, about opportunities on contracts without affirmative action goals.

2. Aspirational Goals

- a. The aspirational goals for this Subcontract are to award minimum **45%** of the dollar value of all construction contracts to certified MBEs and **8%** of the dollar value of all construction contracts to qualified WBEs.
- b. Further, the Trade Contractor and Sub tier subcontractor must agree to use its best efforts to include MBE and WBE firms in any Subcontract modification work that increases the Subcontract value by 10% of the initial Subcontract value or \$50,000, whichever is less. Where the proposed contract modification involves work which can be performed by MBEs and WBEs already performing work on the subcontract such MBEs and WBEs will participate in such work specified in the subcontract modification.
- c. Failure to carry out the commitments and policies set forth in this Program constitute a material breach of contract and may result in termination of the Trade Contractor and Sub tier subcontractor or such other remedy, as the Commission deems appropriate.

3. Definitions

- a. For purposes of this Special Condition, the following definitions applies:
 - (1) "Certified Minority Business Enterprise" means a person or entity granted certification by the City of Chicago, County of Cook, Metropolitan Water Reclamation District, Chicago Minority Business Development Council, Central Management Service of the State of Illinois, and Women's Business Development Center.

(2) "Certified Women's Business Enterprise" means a person or entity granted certification by the City of Chicago, County of Cook, Metropolitan Water Reclamation District, Chicago Minority Business Development Council, Central Management Service of the State of Illinois, and Women's Business Development Center.

(3) "Construction Contract" means a contract or subcontract for the construction, repair, alteration, renovation or improvement of any building, facility or other structure.

(4) "Contract Specific Goals" means the subcontracting goals for MBE and WBE participation established for a particular contract or subcontract based upon the availability of MBEs and WBEs to perform and anticipated scope of work of the contract and the Commission's progress towards meeting the aspirational goals.

(5) "Sub tier subcontractor or Trade Contractor" means any person or business entity that seeks to enter into a Construction Contract with the Commission and includes all partners, affiliates and joint ventures of such person or entity.

(6) "Executive Director" means the Executive Director of the Commission or his duly designated representative as appointed in writing.

(7) "Good faith efforts" means actions undertaken by a Trade Contractor to achieve a Contract Specific Goal that by their scope, intensity and appropriateness to the objective can reasonably be expected to fulfill the Program's requirements.

(8) "Joint venture" means an association of two or more persons or entities or any combination of two or more business enterprises and persons numbering two or more, proposing to perform a single for-profit business enterprise, in which each joint venture partner contributes property, capital, efforts, skill and knowledge, and in which the MBE or WBE is responsible for a distinct, clearly-defined portion of the work of the contract and whose share in the capital contribution, control, management, risks and profits of the joint venture is equal to its ownership interest. Joint ventures must have an agreement in writing specifying the terms and conditions of the relationships between the parties and their relationship and responsibilities to the contract.

(9) "Minority" means:

a. Any individual in the following racial or ethnic groups, members of which are rebuttably presumed to be socially disadvantaged:

i. African-Americans or Blacks, which includes persons having origins in any of the Black racial groups of Africa;

ii. Hispanics, which includes persons of Spanish culture with origins in Mexico, South or Central America or the Caribbean Islands, regardless of race;

iii. Asian-Americans, which includes (persons whose origins are in any of the original peoples of the Far East, Southeast Asia, the islands of the Pacific or the Northern Marianas, or the Indian Subcontinent);

iv. American Indians, which includes persons having origins in any of the original peoples of North and South America (including Central America) and who maintain tribal affiliation or community attachment; and

b. Individual members of other groups, including but not limited to

Arab-Americans, found by the Commission to be socially disadvantaged by having suffered racial or ethnic prejudice or cultural bias within American society, without regard to individual qualities, resulting in decreased opportunities to compete in Chicago area markets or to do business with the Commission.

(10) "Minority-owned business enterprise" or "MBE" means a small local business enterprise which is at least 51% owned by one or more economically disadvantaged minority persons, or in the case of a publicly held corporation at least 51% of all classes of the stock of which is owned by one or more economically disadvantaged minority persons whose management, policies, major decisions and daily business operations are independently managed and controlled by one or more economically disadvantaged minority persons.

(11) "Program" means the minority- and women-owned business enterprise construction procurement program established in this special condition.

(12) "Women-owned business enterprise" or "WBE" means a small local business enterprise which is at least 51% owned by one or more economically disadvantaged women or in the case of a publicly owned business, at least 51% of all classes of the stock of which is owned by one or more economically disadvantaged women, whose management, policies, major decisions and daily business operations are independently managed and controlled by one or more economically disadvantaged women.

4. Determining MBE/WBE Utilization

The methodology for determining MBE and WBE utilization will be determined for purposes of analysis with respect to this contract as follows:

a. The total dollar value of the contract awarded to the certified MBE or WBE firm will be credited to such participation. Only minority business participation may be counted toward MBE participation and only women business participation may be counted toward WBE participation.

b. The total dollar value of a contract with a firm owned and controlled by minority women is counted toward either the MBE or WBE goal, but not both. The Prime Trade Contractor employing the firm may choose the goal to which the contract value is applied. Various work done by one and the same Sub tier subcontractor will be considered, for the purpose of this principle, as work effectively done under one subcontract only, which sub tier subcontractor may be counted toward only one of the goals, not toward both.

c. A Trade Contractor may count toward its MBE or WBE goal the portion of the total dollar value of a contract with an eligible joint venture equal to the percentage of the ownership and control of the MBE or WBE partner in the joint venture. A joint venture seeking to be credited for MBE participation may be formed among certified MBE and WBE firms, or between certified MBE and WBE firms and a non-MBE/WBE firm. A joint venture satisfies the eligibility standards of this Program if the certified MBE or WBE participant of the joint venture:

- (1) Shares in the ownership, control, management responsibilities, risks and profits of the joint venture; and
- (2) Is responsible for a clearly defined portion of work to be performed in proportion to the MBE or WBE ownership percentage.

d. A Trade Contractor may count toward its MBE and WBE goals only expenditures to firms that perform a commercially useful function in the work of a contract. A firm is considered to perform a commercially-useful function when it is responsible for execution of a distinct element of the work of a contract and carries out its responsibilities by actually performing, managing, and supervising the work involved. To determine whether a firm is performing a commercially useful function, the Commission will evaluate the amount of work subcontracted, industry practices and other relevant factors.

e. Consistent with normal industry practices, a MBE or WBE firm may enter into subcontracts. If a MBE or WBE Trade Contractor subcontracts a significantly greater portion of the work of a contract than would be expected on the basis of normal industry practices, the MBE or WBE will be rebuttably presumed not to be performing a commercially-useful function.

f. A Trade Contractor may count toward its goals expenditures to MBE or WBE manufacturers (i.e., suppliers that produce goods from raw materials or substantially alters them before resale).

g. A Trade Contractor may count toward its goals expenditures to MBE or WBE suppliers provided that the supplier performs a commercially useful function in the supply process.

5. Submission of Bid Proposals

a. The following schedules and documents constitute the Bidder's MBE/WBE compliance proposal and must be submitted at the time of the bid or proposal or within such extended period as provided herein.

(1) Evidence of Certification: Affidavit of MBE/WBE. A copy of each proposed MBE and WBE firm's Letter of Certification from the City of Chicago, Department of Procurement Services or any other entity listed in Paragraph 3.a(1) must be submitted.

(2) Schedule B: Affidavit of MBE/Non-MBE or WBE/Non-WBE Joint Ventures. Where the Bidder's MBE/WBE compliance proposal includes participation of any MBE or WBE as a joint venture participant, the Bidder must submit a "Schedule B: Affidavit of MBE/Non-MBE or WBE/Non-WBE Joint Venture" with an attached copy of the joint venture agreement proposed among the parties. The Schedule B and the joint venture agreement must clearly evidence that the MBE or WBE participant will be responsible for a clearly defined portion of the work to be performed and that the MBE or WBE firm's responsibilities are in proportion with its ownership percentage.

(3) Schedule C: Letter of Intent to Perform as a Subcontractor, Subconsultant, or Material Supplier, Schedule C, executed by the MBE/WBE firm (or Joint Venture Trade Contractor) must be submitted by the Bidder for each MBE/WBE included on the Schedule D. Schedule C must accurately detail the work to be performed by the MBE or WBE firm and the agreed rates and prices to be paid.

(4) Schedule D: Affidavit of Prime Trade Contractor Regarding MBE or WBE Utilization. A completed Schedule D committing to the utilization of each listed MBE or WBE firm. Unless the Bidder has submitted a completed request for a waiver of participation by MBE/WBE firms (See Request for Waiver procedures in Paragraph 7), the Bidder must include the specific dollar amount of participation of each MBE/WBE firm listed on its Schedule D. The total dollar commitment to proposed MBE firms must

at least equal the MBE goal, and the total dollar commitment to proposed WBE firms must at least equal the WBE goal. Bidders are responsible for calculating the dollar equivalent of MBE or WBE utilization as percentages of their total base bid.

b. The submittals must have all blank spaces on the Schedule pages applicable to the contract correctly filled in. Agreements between a Bidder and a MBE/WBE in which the MBE/WBE promises not to provide subcontracting quotations to other Bidders are prohibited.

6. Evaluation of Compliance Proposals

a. During the period between bid opening and contract award, the Bidder's MBE/WBE compliance proposal will be evaluated by the Commission. The Bidder agrees to provide, upon request, earnest and prompt cooperation to the Executive Director or his designee in submitting to interviews that may be necessary, in allowing entry to places of business, in providing further documentation, or in soliciting the cooperation of a proposed MBE or WBE firm in providing such assistance. A bid may be treated as non-responsive by reason of the determination that the Bidder's proposal did not contain a sufficient level of Certified MBE or WBE participation, that the Bidder was unresponsive or uncooperative when asked for further information relative to the proposal, or that false statements were made in the Schedules.

b. If the Commission's review of a Bidder's proposal concludes that Bidder failed to submit an M/WBE Compliance Proposal and a Waiver Request, this will be cause for rejection of the Bidder's proposal as non-responsive.

c. If the Commission's review of a Bidder's MBE or WBE proposal was deficient, the Commission will promptly notify the Bidder of the apparent deficiency and instruct the Bidder to submit (within 3 business days of such notice given by the Commission) a modification of the MBE or WBE Proposal, in proper format, which remedies the deficiencies cited. Failure to correct all deficiencies cited by the Commission may be cause for rejection of the Bidder's proposal as non-responsive.

d. Bidders will not be permitted to modify their MBE/WBE compliance proposal except insofar as directed to do so by the Commission. Therefore, all terms and conditions stipulated for prospective MBE and WBE sub tier subcontractors or suppliers should be satisfactorily negotiated prior to the submission to the Commission of the Bidder's MBE/WBE compliance proposal with the bid. If circumstances should arise, however, where a proposed MBE/WBE is no longer available, the process described in Paragraph 12 should be followed.

7. Request for Waiver

a. If a Bidder is unable to identify qualified MBE and WBE firms to perform sufficient work to fulfill the MBE or WBE percentage goals for this Contract, the bid or proposal must include a written request for waiver. A request for waiver must be sent to the Executive Director and must set forth the Bidder's inability to obtain sufficient MBE and WBE firms notwithstanding good faith attempts to achieve such participation.

b. Good Faith efforts to achieve participation include but are not limited to:

(1) Attendance at the Pre-bid conference;

- (2) The Bidder's general affirmative action policies regarding the utilization of MBE and WBE firms, plus a description of the methods used to carry out those policies;
 - (3) Advertisement in trade association newsletters and minority and woman-oriented and general circulation media for specific sub-bids;
 - (4) Timely notification of specific sub-bids to minority and woman Trade Contractor assistance agencies and associations;
 - (5) Description of direct negotiations with MBE and WBE firms for specific sub-bids, including:
 - i. The name, address and telephone number of MBE and WBE firms contacted;
 - ii. A description of the information provided to MBE and WBE firms regarding the portions of the work to be performed; and
 - iii. The reasons why additional MBE and WBE firms were not obtained in spite of negotiations.
 - (6) A statement of the efforts made to select portions of the work proposed to be performed by MBE and WBE firms (such as sub-supplier, transport, engineering, distribution, or any other roles contributing to production and delivery as specified in the contract) in order to increase the likelihood of achieving sub participation.
 - (7) As to each MBE and WBE contacted which the Bidder considers to be not qualified, a detailed statement of the reasons for the Bidder's conclusion.
 - (8) Efforts made by the Bidder to expand its search for MBE and/or WBE firms beyond usual geographic boundaries.
 - (9) General efforts made to assist MBE and WBE firms to overcome participation barriers.
- c. The Executive Director, after review and evaluation of the request provided by the Bidder, may grant a waiver request upon the determination that:

- (1) Sufficient qualified MBE and/or WBE firms capable of providing the goods or services required by the contract are unavailable despite the good faith efforts of the Bidder;
- (2) The price(s) quoted by potential MBE and/or WBE firms for goods or services is above competitive levels to an extent unwarranted by any increased cost of doing business attributable to the present effects of disadvantage or discrimination.

8. Failure To Achieve Goals

- a. If the Trade Contractor cannot achieve the contract specific goals, as the Project proceeds, it must have documented its good faith efforts to do so. In determining whether the Trade Contractor has made such good faith efforts, the performance of other Sub tier subcontractors in meeting the goals may be considered. The Executive Director or his designee shall consider, at a minimum, the Trade Contractor's efforts to do the following:
- (1) Soliciting through reasonable and available means the interest of MBEs or WBEs that Provide interested MBEs or WBEs with adequate information about the plans, specifications and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.

- (2) Provide interested MBEs or WBEs with adequate information about the plans, specifications and requirements of the contract, including addenda, in a timely manner to assist them in responding to the solicitation.
 - (3) Negotiating in good faith with interested MBEs or WBEs that have submitted bids. Documentation of negotiation must include the names, addresses and telephone numbers of MBEs or WBEs that were solicited; the date of each such solicitation; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why agreements could not be reached with MBEs or WBEs to perform the work. That there may be some additional costs involved in solicitation and using MBEs and WBEs is not a sufficient reason for a Trade Contractor's failure to meet the goals, as long as such costs are reasonable.
 - (4) Not rejecting MBEs or WBEs as being unqualified without sound reasons based on the thorough investigation of their capabilities. The MBEs' or WBEs' standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations are not legitimate cases for rejecting or not soliciting bids to meet the goals.
 - (5) Making a portion of the work available to MBE or WBE Trade Contractors and suppliers and to select those portions of the work or material consistent with the available MBE or WBE sub tier subcontractors and suppliers, so as to facilitate meeting the goals.
 - (6) Making good faith efforts despite the ability or desire of a Trade Contractor to perform the work of a contract with its own organization. A Trade Contractor that desires to self-perform the work of a contract must demonstrate good faith efforts unless the goals have been met.
 - (7) Selecting portions of the work to be performed by MBEs or WBEs in order to increase the likelihood that the goals will be met. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE or WBE participation even when the Contract might otherwise prefer to perform these items with its own forces.
 - (8) Making efforts to assist interested MBEs or WBEs in obtaining bonding lines of credit or insurance as required by the Commission or Construction Manager.
 - (9) Making efforts to assist interested MBEs or WBEs in obtaining necessary equipment, supplies, materials or related assistance or services, including participation in a mentor-protégée program; and
 - (10) Effectively using the services of the Commission; minority or women community organizations; minority or women Sub tier subcontractors' groups; local, state and federal minority or women business assistance offices; and other organizations to provide assistance in the recruitment and placement of MBEs or WBEs.
- b. In the event the Public Building Commission Procurement Officer determines that the Trade Contractor did not make a good faith effort to achieve the goals, the Trade Contractor may file a Dispute to the Executive Director as provided in Article 11 of Exhibit J, Standard Terms and Conditions for Construction Management Contracts.

9. Reporting and Record-Keeping Requirements

- a. The Trade Contractor, within 5 working days of contract award, must execute a formal subcontract or purchase order in compliance with the terms of the Trade Contractor's bid proposal and MBE/WBE assurances, and submit to the Commission a

copy of the MBE and WBE subcontracts or purchase orders, each showing acceptance of the subcontract or purchase order by the MBE and WBE firms. During the performance of the contract, the Trade Contractor will submit partial and final waivers of lien from MBE and WBE sub tier subcontractors and suppliers indicating the current payment amount and the cumulative dollar amount of payments made to date. The Trade Contractor will file regular MBE and WBE utilization reports on the form entitled "Status Report of MBE and WBE (Sub) Contract Payments" at the time of submitting each monthly Payment Estimate, which reflects the current status of cumulative and projected payments to MBE and WBE firms.

b. The Trade Contractor must maintain records of all relevant data with respect to the utilization of MBE and WBE firms, including without limitation payroll records, tax returns and records, and books of account in such detail as the Commission requires, and retain such records for a period of at least 3 years after final acceptance of the work. Full access to such records will be granted to the Commission and/or its designees, on 5 business days' notice in order for the Commission to determine the Trade Contractor's compliance with its MBE and WBE commitments and the status of any MBE or WBE firm performing any portion of the contract.

10. Disqualification of MBE or WBE

a. The Contract may be terminated by the Executive Director upon the disqualification of the Trade Contractor as an MBE or WBE if the Trade Contractor's status as an MBE or WBE was a factor in the award and such status was misrepresented by the Trade Contractor.

b. The Contract may be terminated by the Executive Director upon the disqualification of any MBE or WBE if the Trade Contractor's or supplier's status as an MBE or WBE was a factor in the award of the contract and the status of the sub Trade Contractor or supplier was misrepresented by the Trade Contractor. If the Trade Contractor is determined not to have been involved in any misrepresentation of the status of the disqualified sub Trade Contractor or supplier, the Trade Contractor or Construction Manager shall make good faith efforts to engage a qualified MBE or WBE replacement.

11. Prohibition On Changes To MBE/WBE Commitments

The Trade Contractor must not make changes to its contractual MBE and WBE commitments or substitute such MBE or WBE sub tier subcontractors without the prior written approval of the Executive Director. Unauthorized changes or substitutions, including performing the work designated for a sub tier subcontractor with the Prime Sub tier subcontractors own forces, is a violation of this section and a breach of the contract with the Commission, and may cause termination of the contract for breach, and/or subject the Prime Trade Contractor to contract remedies or other sanctions. The facts supporting the request must not have been known nor reasonably should have been known by the parties prior to entering into the subcontract.

12. MBE/WBE Substitution Requirements and Procedures

a. Arbitrary changes by the Prime Trade Contractor of the commitments earlier certified in the Schedule D are prohibited. Further, after once entering into each approved MBE and WBE sub-contract agreement, the Prime Trade Contractor shall

thereafter neither terminate the subcontract, nor reduce the scope of the work to be performed by the MBE or WBE, nor decrease the price to the MBE or WBE, without in each instance receiving the prior written approval of the Executive Director. In some cases, however, it may become necessary to substitute a new MBE or WBE in order to actually fulfill the MBE or WBE requirements. In such cases, the Executive Director must be given reasons justifying the release by the Trade Contractor of prior specific MBE or WBE commitments established in the contract, and will need to review the eligibility of the MBE or WBE presented as a substitute. The substitution procedure will be as follows:

(1) The Prime Trade Contractor must notify the Executive Director immediately in writing of an apparent necessity to reduce or terminate a MBE or WBE subcontract and to propose a substitute firm for some phase of work, if needed in order to sustain the fulfillment of the MBE/WBE contract requirements.

(2) The Prime Trade Contractor's notification should include the specific reasons for the proposed substitution. Stated reasons which would be acceptable include any of the following reasons: a) Unavailability after receipt of reasonable notice to proceed; b) failure of performance; c) financial incapacity; d) refusal by the sub tier subcontractor to honor the bid or proposal price or scope; e) mistake of fact or law about the elements of the scope of work of a solicitation where a reasonable price cannot be agreed; f) failure of the sub tier subcontractor to meet insurance, licensing or bonding requirements; g) the sub tier subcontractor's withdrawal of its bid or proposal; or h) decertification of the sub tier subcontractor as MBE or WBE.

The Prime Trade Contractor's position must be fully explained and supported with adequate documentation. Stated reasons which will not be acceptable include: replacement firm has been recruited to perform the same work under terms more advantageous to the Sub tier subcontractor; issues about performance by the committed MBE or WBE were disputed (unless every reasonable effort has already been taken to have the issues resolved or mediated satisfactorily); an MBE or WBE has requested reasonable price escalation which may be justified due to unforeseen circumstances.

(3) The Prime Trade Contractor's notification should include the names, address and principal official of any proposed substitute MBE or WBE and the dollar value and scope of work of the proposed subcontract. Attached should be all the same MBE/WBE affidavits, documents and Letters of Intent which are required of the proposed MBE or WBE firms, as enumerated above in Paragraph 5 - Submission of Bid Proposals.

(4) The Executive Director will evaluate the submitted documentation, and respond within fifteen (15) working days to the request for approval of a substitution. The response may be in the form of requesting more information, or requesting an interview to clarify or mediate the problem. In the case of an expressed emergency need to receive the necessary decision for the sake of job progress, the Executive Director will instead respond as soon as practicable.

(5) Actual substitution of a replacement MBE or WBE to fulfill contract requirements must not be made before the Executive Director's approval is given of the acceptability of the substitute MBE or WBE. This subcontract must be executed within five (5) working days, and a copy of the MBE WBE subcontract with signatures of both parties to the agreement should be submitted immediately to the Executive Director.

b. The Executive Director will not approve extra payment for escalated costs incurred by the Prime Trade Contractor when a substitution of sub tier subcontractors becomes necessary for the Prime Trade Contractor in order to comply with MBE/WBE contract requirements.

c. No relief of the MBE/WBE requirements will be granted by the Executive Director except in exceptional circumstances. Requests for complete or partial waiver of the MBE/WBE requirements of this contract must be made in writing, stating all details of the request, the circumstances, and any additional relevant information. The request must be accompanied by a record of all efforts taken by the Trade Contractor to locate specific firms, solicit MBE and WBE bids, seek assistance from technical assistance agencies, and other good faith efforts undertaken to achieve compliance with the MBE/WBE goals.

13. Non-Compliance

a. The Executive Director has the authority to apply suitable sanctions to the Trade Contractor if the Trade Contractor is found to be in non-compliance with the MBE and WBE requirements. Failure to comply with the MBE or WBE terms of this contract or failure to use MBE or WBE firms as stated in the Trade Contractor's assurances constitutes a material breach of the contract, and may lead to the suspension or termination of the contract in part or in whole. In some cases, monthly progress payments may be withheld until corrective action is taken.

b. When the contract is completed, if the Executive Director has determined that the Trade Contractor did not comply in the fulfillment of the required MBE and/or WBE goals, and a grant of relief of the requirements was not obtained, the Commission will be damaged in the failure to provide the benefit of participation to minority or women business to the degree set forth in this Special Condition. In that case, the Commission may disqualify the Trade Contractor from entering into future contracts with the Commission.

14. Severability

a. If any section, subsection, paragraph, clause, provision or application of these Special Conditions is held invalid by any court, the invalidity of such section, paragraph, clause or provision will not affect any of the remaining provisions hereof.

SCHEDULE 4 - Affidavit Of Uncompleted Work

A. Work Under Contract

List below all work Bidder has under contract as either a general Trade Contractor or a Subcontractor, including all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work that is the responsibility of the Bidder. The uncompleted dollar value is to be based upon the most recent estimate of the owner or engineer, and must include work subcontracted to others. If no work is contracted, indicate NONE.

	1	2	3	4	Awards Pending	TOTALS
Project	LEXINGTON PARK	OLD STIMMEY SCHOOL	WATER SAYER	PALOS HOSPITAL	NONE	
Contract With	KENNY	PEPPER	PEPPER	PEPPER		
Estimated Completion Date	8/2011	9/2011	11/2011	5/2012		
Total Contract Price	1,084,642	388,620	408,978	1,941,846		SEE NEXT PAGE
Uncompleted Dollar Value if Firm is the GC						
Uncompleted Dollar Value if Firm is a Subcontractor	5,000	111,717	105,613	876,243		
TOTAL VALUE OF ALL WORK						

B. Uncompleted Work to be Completed with the Bidder's own Forces

List below the uncompleted dollar value of work for each contract to be completed with the Bidder's own forces, including all work indicated as awards pending. All work subcontracted to others will be listed on C. of this form. In a joint venture, list only that portion of the work to be done by the Bidder. If no work is contracted, indicate NONE.

	1	2	3	4	Awards Pending	TOTALS
Earthwork	5,000	111,717	105,613	876,243		
Demolition						
Sewer and Drain						
Foundation						
Painting						
Struct. Steel (Bldg Const.)						
Ornamental Steel (Bldg Construction)						
Miscellaneous Concrete						

SCHEDULE 4 - Affidavit Of Uncompleted Work

A. Work Under Contract

List below all work Bidder has under contract as either a general Trade Contractor or a Subcontractor, including all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work that is the responsibility of the Bidder. The uncompleted dollar value is to be based upon the most recent estimate of the owner or engineer, and must include work subcontracted to others. If no work is contracted, indicate NONE.

	15	26	27	4	Awards Pending	TOTALS
Project	ROOSEVELT UNIVERSITY	POETRY FOUNDATION	SALVATION ARMY			
Contract With	POWEE	NORCON	D'ARIEL			
Estimated Completion Date	12/2011	4/2011	6/2011			
Total Contract Price	533,651	284,831	2,683,166			7,325,734
Uncompleted Dollar Value if Firm is the GC						
Uncompleted Dollar Value if Firm is a Subcontractor	110,082	104,831	1,492,397			2,811,883
TOTAL VALUE OF ALL WORK						

B. Uncompleted Work to be Completed with the Bidder's own Forces

List below the uncompleted dollar value of work for each contract to be completed with the Bidder's own forces, including all work indicated as awards pending. All work subcontracted to others will be listed on C. of this form. In a joint venture, list only that portion of the work to be done by the Bidder. If no work is contracted, indicate NONE.

	1	2	3	4	Awards Pending	TOTALS
Earthwork	110,082	104,831	1,492,397			2,811,883
Demolition						
Sewer and Drain						
Foundation						
Painting						
Struct. Steel (Bldg Const.)						
Ornamental Steel (Bldg Construction)						
Miscellaneous Concrete						

C. Work Subcontracted to Others

List below all work, according to each contract on the preceding page, that the Bidder has subcontracted to others. Do NOT include work to be performed by another general Trade Contractor in a joint venture. No work may be indicated as subcontracted to others on awards pending. If no work is subcontracted, indicate NONE.

	1	2	3	4	Awards Pending
Subcontractor	NONE				
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
TOTAL Uncompleted					

C. Work Subcontracted to Others

List below all work, according to each contract on the preceding page, that the Bidder has subcontracted to others. Do NOT include work to be performed by another general Trade Contractor in a joint venture. No work may be indicated as subcontracted to others on awards pending. If no work is subcontracted, indicate NONE.

	15	26	27	4	Awards Pending
Subcontractor	NONE				
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
TOTAL Uncompleted					

Affidavit of Uncompleted Work (continued)

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City, and private work including ALL subcontract work, ALL pending low bids not yet awarded or rejected, and ALL estimated completion dates.

[Signature]
Signature

2/22/11
Date

MARK PAEUS
Name (Type or Print)

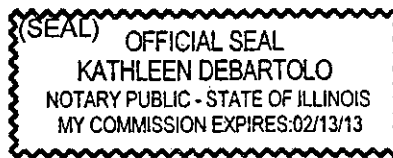
VICE PRESIDENT
Title

ROY STROM EXCAVATING + GRADING CO.
Bidder Name
1201 GREENWOOD AVE
Address
MAYWOOD IL 60153
City State Zip

Subscribed and sworn to before me
this 22 day of FEBRUARY, 20 11

Kathleen DeBartolo
Notary Public

Commission expires: 2-13-13



SCHEDULE C - Letter of Intent from MBE/WBE To Perform As SubContractor, Subconsultant, and/or Material Supplier (1 of 2)

Name of Project: WILLIAM JONES COLLEGE PREPARATORY HIGH SCHOOL

Project Number: 52089699

FROM:

CHICAGO LAND TRUCKING INC. MBE WBE
(Name of MBE or WBE)

TO:
ROY STROM EXCAVATING & GRADING CO. and Public Building Commission of Chicago
(Name of General Bidder)

The undersigned intends to perform work in connection with the above-referenced project as (check one):

a Sole Proprietor a Corporation
 a Partnership a Joint Venture

The MBE/WBE status of the undersigned is confirmed by the attached Letter of Certification, dated _____ In addition, in the case where the undersigned is a Joint Venture with a non-MBE/WBE firm, a Schedule B, Joint Venture Affidavit, is provided.

The undersigned is prepared to provide the following described services or supply the following described goods in connection with the above-named project.

TRUCKING / DISPOSAL OF EXCAVATION SPOIL

The above-described services or goods are offered for the following price, with terms of payment as stipulated in the Contract Documents.

SPOIL REMOVAL \$25.00 / TON

SCHEDULE C - Letter of Intent from MBE/WBE To Perform As SubContractor, Subconsultant, and/or Material Supplier (2 of 2)

PARTIAL PAY ITEMS

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount:

If more space is needed to fully describe the MBE/WBE firm's proposed scope of work and/or payment schedule, attach additional sheet(s).

SUB-SUBCONTRACTING LEVELS

0 % of the dollar value of the MBE/WBE subcontract will be sublet to non-MBE/WBE Trade Contractors.

0 % of the dollar value of the MBE/WBE subcontract will be sublet to MBE/WBE Trade Contractors.

If MBE/WBE Trade Contractor will not be sub-subcontracting any of the work described in this Schedule, a zero (0) must be filled in each blank above. If more than 10% percent of the value of the MBE/WBE Trade Contractor's scope of work will be sublet, a brief explanation and description of the work to be sublet must be provided.

The undersigned will enter into a formal agreement for the above work with the General Bidder, conditioned upon its execution of a contract with the Public Building Commission of Chicago, and will do so within five (5) working days of receipt of a notice of Contract award from the Commission.

By:

CHICAGO LAND TRUST INC.
Name of MBE/WBE Firm (Print)
2/21/11
Date
773-921-9200
Phone

[Signature]
Signature
Alberto Roman
Name (Print)

IF APPLICABLE:

By:

Joint Venture Partner (Print)

Date

Phone

Signature

Name (Print)
MBE ___ WBE ___ Non-MBE/WBE ___



CITY OF CHICAGO
OFFICE OF COMPLIANCE

August 24, 2010

Alberto Roman
Chicagoland Truckin Inc.
5494 West Roosevelt Road
Chicago, IL 60644

Annual No Change Affidavit Due:

April 1, 2011

Dear: Alberto Roman

Congratulations on your continued eligibility for certification as a **Minority Business Enterprise (MBE)** by the City of Chicago. This certification is valid until April 1, 2012.

As you know, your firm must also be re-validated annually. We extended the deadline for submitting the No-Change Affidavit to September 1st so that we might review the program for ways to streamline the process. As a result, while you will still be required to submit an annual No-Change Affidavit, we will no longer require firms to submit financial records with the Affidavit, and we will allow the Affidavit to be submitted on-line. This should improve the process for businesses and make it easier to comply with annual validation requirements. However, as part of our program improvements, we will also increase auditing activities, and you may at any time be required to submit financial records and other documents needed to support your continued eligibility.

This new process will begin in 2011. As such, your firm's next No Change Affidavit is due by **April 1, 2011**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Therefore, you must file your No-Change Affidavit by **January 31, 2011**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification. within 10 days of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **MBE if you fail to**

- ♦ file your No Change Affidavit within the required time period;
- ♦ provide financial or other records requested pursuant to an audit within the required time period; or
- ♦ notify the City of any changes affecting your firm's certification within 10 days of such change.

Further, if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. And in addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining, a contract with the city by falsely

representing that the individual or entity, or the individual or entity assisted, is a minority-owned business or a woman-owned business, is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months or a fine of not less than \$5,000.00 and not more than \$10,000, or both.

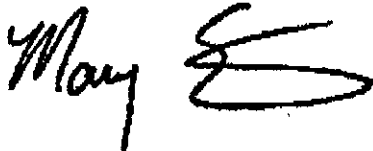
Chicagoland Truckin Inc. is listed in the City's Directory of Minority Business Enterprises and Women Business Enterprises in the specialty area(s) of:

**96239 Hauling Services
96286 Transportation of Goods (Freight)**

Your firm's participation on City contracts will be credited only toward MBE goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward MBE goals will be given only for work done in a specialty category.

Thank you for your continued participation in the City's Supplier Diversity Program.

Sincerely,

A handwritten signature in black ink, appearing to read "Mary E", with a large, stylized flourish at the end.

Mary Elliott
Acting Managing Deputy

SCHEDULE C - Letter of Intent from MBE/WBE To Perform As SubContractor, Subconsultant, and/or Material Supplier (1 of 2)

Name of Project: WILLIAM JONES COLLEGE PREPARATORY HIGH SCHOOL

Project Number: 52089699

FROM:

L+B TRUCKING, INC MBE _____ WBE X
(Name of MBE or WBE)

TO: ROY STAMM EXCAVATING & GRADING CO. and Public Building Commission of Chicago
(Name of General Bidder)

The undersigned intends to perform work in connection with the above-referenced project as (check one):

_____ a Sole Proprietor X _____ a Corporation
_____ a Partnership _____ a Joint Venture

The MBE/WBE status of the undersigned is confirmed by the attached Letter of Certification, dated _____, In addition, in the case where the undersigned is a Joint Venture with a non-MBE/WBE firm, a Schedule B, Joint Venture Affidavit, is provided.

The undersigned is prepared to provide the following described services or supply the following described goods in connection with the above-named project.

SUPPLY / DELIVER TACO TIER 1 APPROVED STONE

The above-described services or goods are offered for the following price, with terms of payment as stipulated in the Contract Documents.

CA-6 \$ 12.50 /TON
CA-7 \$ 16.60 /TON

SCHEDULE C - Letter of Intent from MBE/WBE To Perform As SubContractor, Subconsultant, and/or Material Supplier (2 of 2)

PARTIAL PAY ITEMS

For any of the above items that are partial pay items, specifically describe the work and subcontract dollar amount:

If more space is needed to fully describe the MBE/WBE firm's proposed scope of work and/or payment schedule, attach additional sheet(s).

SUB-SUBCONTRACTING LEVELS

0 % of the dollar value of the MBE/WBE subcontract will be sublet to non-MBE/WBE Trade Contractors.

0 % of the dollar value of the MBE/WBE subcontract will be sublet to MBE/WBE Trade Contractors.

If MBE/WBE Trade Contractor will not be sub-subcontracting any of the work described in this Schedule, a zero (0) must be filled in each blank above. If more than 10% percent of the value of the MBE/WBE Trade Contractor's scope of work will be sublet, a brief explanation and description of the work to be sublet must be provided.

The undersigned will enter into a formal agreement for the above work with the General Bidder, conditioned upon its execution of a contract with the Public Building Commission of Chicago, and will do so within five (5) working days of receipt of a notice of Contract award from the Commission.

By:

L+B TRUCKING INC.
Name of MBE/WBE Firm (Print)
2/21/11
Date
708-516-2042
Phone

Maria Martinez
Signature
Maria Martinez
Name (Print)

IF APPLICABLE:

By:

Joint Venture Partner (Print)

Date

Phone

Signature

Name (Print)
MBE ___ WBE ___ Non-MBE/WBE ___



CITY OF CHICAGO
OFFICE OF COMPLIANCE

March 16, 2010

Ms. Maria G. Martinez
L & B Trucking, Inc.
4439 Wenonah Avenue
Stickney, IL 60402-4330

Annual Certificate Expires: March 31, 2011
Vendor Number: 28070570

Dear Ms. Martinez:

We are pleased to inform you that L & B Trucking, Inc. has been certified as a Women Business Enterprise (WBE) by the City of Chicago. This WBE certification is valid until March 31, 2015; however your firm must be re-validated annually. Your firm's next annual validation is required by March 31, 2011.

As a condition of continued certification during this five year period, you must file a No-Change Affidavit within 60 days prior to the date of expiration. Failure to file this Affidavit will result in the termination of your certification. Please note that you must include a copy of your most current Federal Corporate and Individual Tax Returns. You must also notify the City of Chicago of any changes in ownership or control of your firm or any other matters or facts affecting your firm's eligibility for certification.

The City may commence action to remove your firm's eligibility if you fail to notify us of any changes of facts affecting your firm's certification or if your firm otherwise fails to cooperate with the City in any inquiry or investigation. Removal of eligibility procedures may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in the City's Directory of Minority Business Enterprises and Women Business Enterprises in the specialty area(s) of:

<u>Code</u>	<u>Description</u>
NIGP 96239	Hauling Services

333 S. State St., Suite 540, Chicago, IL 60604 • (312) 747-7778
www.cityofchicago.org/compliance

Your firm's participation on City contracts will be credited only toward WBE goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward WBE goals will be given only for work done in the specialty categories.

Thank you for your continued interest in the City's Supplier Diversity Program.

Sincerely,



Reshma N. Soni
Senior Compliance Officer

SCHEDULE D - Affidavit of General Trade Contractor Regarding MBE/WBE Participation

(1 of 2)

Name of Project: WILLIAM JONES COLLEGE PREPARATORY HIGH SCHOOL

STATE OF ILLINOIS)
) SS
COUNTY OF COOK)

In connection with the above-captioned contract, I HEREBY DECLARE AND AFFIRM that I am the

VICE PRESIDENT

Title and duly authorized representative of

ROY STROM EXCAVATING + GRADING CO.

Name of General Trade Contractor whose address is

201 GREENWOOD AVENUE

in the City of MAYWOOD, State of ILLINOIS
and that I have personally reviewed the material and facts submitted with the attached Schedules of MBE/WBE participation in the above-referenced Contract, including Schedule C and Schedule B (if applicable), and the following is a statement of the extent to which MBE/WBE firms will participate in this Contract if awarded to this firm as the Trade Contractor for the Project.

Name of MBE/WBE Trade Contractor	Type of Work to be Done in Accordance with Schedule C	Dollar Credit Toward MBE/WBE Goals	
		MBE	WBE
<u>CHICAGOLAND TRUCKING INC.</u>	<u>TRUCKING / DISPOSAL</u>	<u>\$ 890,550</u>	<u>\$</u>
<u>L+B TRUCKING INC</u>	<u>TRUCKING / STONE</u>	<u>\$</u>	<u>\$ 158,320</u>
		<u>\$</u>	<u>\$</u>
		<u>\$</u>	<u>\$</u>
		<u>\$</u>	<u>\$</u>
		<u>\$</u>	<u>\$</u>
		<u>\$</u>	<u>\$</u>
Total Net MBE/WBE Credit		<u>\$ 890,550</u>	<u>\$ 158,320</u>
Percent of Total Base Bid		<u>45</u> %	<u>8</u> %

The General Trade Contractor may count toward its MBE/WBE goal a portion of the total dollar value of a contract with a joint venture equal to the percentage of the ownership and control of the MBE/WBE partner.

SCHEDULE D - Affidavit of Subcontractor Regarding MBE/WBE Participation
(2 of 2)

SUB-SUBCONTRACTING LEVELS

0 % of the dollar value of the MBE/WBE subcontract will be sublet to non-MBE/WBE Trade Contractors.

0 % of the dollar value of the MBE/WBE subcontract will be sublet to MBE/WBE Trade Contractors.

If MBE/WBE Subcontractor will not be sub-subcontracting any of the work described in this Schedule, a zero (0) must be filled in each blank above.

If more than 10% of the value of the MBE/WBE Subcontractor's scope of work will be sublet, a brief explanation and description of the work to be sublet must be provided.

The undersigned will enter into a formal agreement for the above work with the above-referenced MBE/WBE firms, conditioned upon performance as Trade Contractor of a Contract with the Commission, and will do so within five (5) business days of receipt of a notice of Contract award from the Commission.

By:

Roy Strom Excavating + Grading Co.

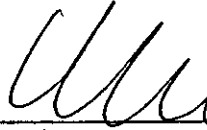
Name of Trade Contractor (Print)

2/22/11

Date

708-344-5000

Phone



Signature

MARK PARUS

Name (Print)

IF APPLICABLE:

By:

Joint Venture Partner (Print)

Date

Phone/FAX

Signature

Name (Print)

MBE ___ WBE ___ Non-MBE/WBE ___