Report Project Labor Agreement Benefits Analysis

Rochester Joint Schools Construction Board Rochester Schools Modernization Program Rochester, New York

January, 2012

Seeler Engineering, P.C.

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Contents

Section 1 Executive Summary	1
1.1 Background	1
1.2 RJSCB Rochester Schools Modernization Program.	4
1.3 The Proposed PLA	5
1.4 Our Study	5
1.5 Summary	5
Section 2 Project Description	7
2.1 Scope	7
2.2 Schedule	7
2.3 Construction Costs	8
Section 3 Estimate of Craft Labor Needs	9
3.1 Craft Labor Breakdown	9
3.2 Projected Labor Costs	9
Section 4 Summary of Existing Agreements	10
4.1 Existing Agreements	10
4.2 Labor Unrest	12
Section 5 Economic Considerations	13
5.1 General	13
5.2 No Strike Protection for Contract Duration	13
5.3 Regular Work Hours/Regular Work Day	13
5.4 Overtime	13
5.5 Second/Third Shift	14
5.6 Four Ten Hour Days	14
5.7 Industry Fund Payments	14
5.8 Apprentice Ratio/Apprentice Program Participation	14
5.9 Guaranteed Pay	15
5.10 Mileage and Parking	15
5.11 Off-site Fabrication	15
5.12 Minority and Female Referrals	15
5.13 Management Rights/Jurisdictional Requirements	15
5.14 Summary	16

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

Section 6 Ad	ditional Considerations	17
6.1 Labor Stabil	ity	17
6.2 The Burdens	s of Management	17
6.3 The "Tag Al	ong Provision"	17
6.4 Public Deba	te	18
6.5 Enhanced M	linority Recruiting & Training Programs	18
Section 7 Co	nclusions and Recommendations	19
Tables		
Table 1	Labor Unions Representing the Construction Industry in Monroe County	
Table 2	Work Area Labor Hours and Cost Breakdown	
Table 3	Key Features of Existing Labor Agreements	
Appendices		
Appendix A	Statement of John Koskinen, Deputy Director for Management	
Appendix B	Executive Order, February 6, 2009	
Appendix C	Governor George Pataki's Executive Order Re: PLAs	
Appendix D	Statement of John T. Dunlop	
Appendix E	The Project Schedule	
Appendix F	The Project Cost Estimate	
Appendix G	Detailed Cost Savings Calculation	

Section 1 Executive Summary

1.1 Background

Project Labor Agreements, which have been utilized in the private sector for many years, are a recognized tool for assisting in cost effective and timely completion of major construction projects. They serve these objectives by providing uniform working conditions, cost savings, stable labor environment, and comprehensive protection against work disruptions arising out of labor disputes.

A Project Labor Agreement ("PLA") is a labor contract limited to the construction of a specific project. Unlike a typical labor agreement, a PLA does not bind a contractor wherever it works for a specific period of time; rather, it only applies to the contractors work on a particular project and only for the duration of that project. All parties involved in the construction project, unions and contractors, are required to be signatories to the PLA. The PLA supersedes any pre-existing labor agreements. A typical PLA provides for standardized work practices, hours, holidays, and grievance/arbitration procedures and promotes overall labor-management harmony for the duration of the project. A PLA prohibits strikes, lock-outs, work stoppages and/or any other disruption of work for any reason. PLAs provide a tool for addressing the special needs of a unique construction project in a single, comprehensive manner, particularly among union contractors. They become a substitute for local area labor agreements that generally are written for routine types of work and are not always easily adapted to special projects.

A PLA is typically a pre-hire agreement, which means it is negotiated prior to construction and hiring. Construction industry pre-hire agreements are expressly authorized by the National Labor Relations Act. See 29 USC § 158(f).

In March of 1993, the U.S. Supreme Court held that a governmental entity, when it is acting in its proprietary capacity as owner or manager of property and is participating in the construction industry market place much as a private employer, can utilize a project labor agreement without running afoul of federal law. On March 28, 1996 the New York Court of Appeals approved, under State Law, the use of PLAs on publicly owned projects. In that case, which involved the repair and refurbishing of the Tappan Zee Bridge, the Court emphasized the need for the PLA to foster one or both of the dual purposes underlying the States various competitive bidding laws: (1) protecting the public fisc and (2) avoiding favoritism, fraud or corruption. See New York State Chapter Inc. v. New York State Thruway Auth., 88 N.Y.2d 56, 643 N.Y.S.2d 480 (1996). The importance of potential cost savings to the public through the use of a PLA was emphasized by the Courts rejection of a PLA in a companion case, involving the Roswell Park Cancer Institute in Buffalo. There, in the absence of sufficient evidence that the Dormitory Authority approved the use of the PLA as a cost saving device, the use of a PLA was struck down by the Court.

Some commentators have argued that Tappan Zee only authorized PLAs in extremely limited and exceptional circumstances, arguing that the decision does little to authorize their use on the more typical public construction project. Based on both the language of Tappan Zee and subsequent decisions applying Tappan Zee, this seems an unduly narrow view. In fact, most post-Tappan Zee PLA requirements have been judicially accepted. Tappan Zee recognized two distinct categories of cost savings that can justify

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

use of a PLA. The first is direct labor-saving costs obtained by negotiating specific provisions as part of the PLA. The second is indirect cost savings, which can be derived from PLA provisions that enhance construction coordination, protect an asset's revenue stream, or perhaps even avoid fines or some other financial penalty attributable to construction delay.

PLAs have a long history in both public and private construction in the United States, dating back 60 years or more. See Perritt, Keeping the Government Out of the Way: Project Labor Agreements Under the Supreme Courts Boston Harbor Decision, 12 The Labor Lawyer 69 (1996). The Grand Coulee Dam, the Shasta Dam, Disney World, the TransAlaska Pipeline, Boston's Central Artery and Harbor Clean Up Projects, the Tappan Zee Bridge Refurbishing Project, the Onondaga County Resource Recovery Agency Resource Recovery Facility, Cape Kennedy Space Center, the O'Rorke Bridge (Rochester, NY), the Joint Schools Construction Board Project in Buffalo, the Monroe County Water Authority Eastside Water Supply Project, and the Allegany County Courthouse Project are just some of the projects which have been, or are being, constructed under a PLA. It is worth note that PLAs have been used successfully in the Rochester area for several recent projects including the Monroe County Crime Lab Project and the MCWA Eastside Water Supply Project.

Although not new to construction, PLAs have received considerable attention in recent years as a result of the Supreme Court's Boston Harbor decision. Building & Construction Trades Council v. Associated Builders & Contractors, 507 U.S. 218, 230 (1993) ("Boston Harbor"). The Boston Harbor PLA was challenged in Building & Construction Trades Council v. Associated Builders & Contractors, ("Boston Harbor") on federal preemption grounds, on the theory that by requiring successful bidders to agree to the PLA, the public owner, the Massachusetts Water Resources Authority ("MWRA"), was dictating their labor relations policies.

Although the U.S. District Court rejected the plaintiff's preemption argument, an en banc First Circuit reversed. It found that, by requiring bidders to accept the PLA, the MWRA had "pervasively intruded" into the collective bargaining process of project contractors, in violation of the doctrine established by the Supreme Court's 1976 decision in International Ass'n Machinists & Aerospace Workers v. Wisconsin Employment Relations Commission. 427 U.S. 132 (1976). The doctrine prohibits states from regulating activities that Congress intended to be left unregulated under federal labor policy.

In reversing the First Circuit, the Supreme Court held that a public entity, when acting in its proprietary, as opposed to regulatory, capacity is entitled under federal labor law to take advantage of the same NLRA provisions that allow a private project owner to reap the benefits of a project labor agreement. After tracing the congressional history of Section 8(e) and (f) of the NLRA, the Court concluded that the very reasons that led to the adoption of these statutory provisions were no less implicated on publicly owned projects than on privately owned projects. Thus, so long as a public entity's decision to require a PLA is a proprietary decision and not the exercise of its regulatory powers, federal labor law and preemption principles pose no barriers.

The legal scrutiny given to PLAs has led to the recognition of the benefits that PLAs can bring to construction projects. John Koskinen, the Deputy Director for Management of the Office of Management and Budget, testified before the Senate Committee on Labor and Human Resources in April of 1997 and spoke of the long, successful history of PLAs in containing construction costs and assisting in the timely completion of major construction projects, in both the public and private sector (a copy of his testimony is attached at Appendix A).

Recognizing the ability of PLAs to "achieve economy and efficiency in Federal construction projects," President Barack Obama issued an Executive Order to all Executive Departments and Agencies on February 6, 2009 encouraging consideration of PLAs on Federal projects (a copy is attached as Appendix B). Also aware of the potential benefits PLAs can bring to public construction projects, Governor Pataki issued Executive Order No. 49 in 1997 requiring New York State agencies to establish guidelines for the consideration of PLAs on State projects, recognizing that it is now clear that PLAs are one of many tools which may be used by management and labor and which may, under certain circumstances, assist in achieving the goals [of timely completion of public construction projects...while at the same time limiting the costs of such projects] (a copy of this Executive Order is attached at Appendix C). According to a recent report issued by the United States General Accounting Office, the Governors of Nevada, New Jersey and Washington have issued similar Executive Orders, as have the Mayors of Boston and Philadelphia.

John Dunlop, a noted labor economist and Harvard University Professor (Emeritus), commented on the value of a PLA in the now completed, multibillion dollar Boston Harbor Clean Up Project. Dr. Dunlop's comments were made in connection with the consideration of a PLA on a major Southern Nevada Water Authority project (a copy of Dr. Dunlop's statement is attached at Appendix D). A report from the Manager of ICF Kaiser, the administrator of the Boston Harbor PLA, included in Dr. Dunlop's statement clearly credits that project's PLA with helping bring the project in under budget and ahead of schedule, and completing approximately 20,000,000 craft hours without any time lost due to labor disputes. Since the issuance of the Kaiser report, greater than 25,000,000 craft hours have been expended on the project. Some 300 disputes were resolved in 12 years of project documentation without delay or disruption.

Savings from PLAs have also been recognized in court cases approving the use of PLAs on public construction projects in New York, e.g., the Tappan Zee case (approximately \$6 million in estimated savings) and Albany Specialties, Inc. v. County of Orange, 240 A.D. 2d 739 (2d Dept. 1997) (\$2.1 million in savings). However, a New York court has struck down a PLA where anticipated cost savings were not documented at the time of approval. See Empire State Chapter of Associated Builders and Contractors, Inc. v. City of Oswego, 239 A.D. 2d 875 (4th Dept. 1997).

Although opponents of PLAs have claimed that such a requirement precludes open shop, or non-union, contractors from bidding, the courts have soundly rejected that claim as a legal matter, and experience on a number of projects indicates that PLAs do not, in fact, have such an effect. For example, the above referenced statement of Dr. Dunlop indicates that there was significant work secured by non-union contractors on the Boston Harbor project, with, as of October of 1996, approximately 102 out of a total of 257 subcontractors classified as open shops despite Boston being a market in which approximately 75% of major construction is performed on a union basis. In addition, at the time of the decision by the Superior Court in Massachusetts approving the use of a PLA on a second, multi-billion dollar project in Boston, the Central Artery Project, dozens of non-union contractors had bid on and/or received project contracts. See Utility Contractors Association of New England, Inc. v. Commissioners of the Massachusetts Department of Public Works, Civil Action No. 90-3035 Decision at p. 11 (1996). See also Associated Builders and Contractors, Inc. v. Metropolitan Water District of Southern California, 1997 WL 768936 (Cal. App. 2 Dist. 1997) where a major construction project in California that required a PLA utilized non-union contractors for 75% of the project.

The Rochester Joint Schools Construction Board's ("RJSCB") Rochester Schools Modernization Program (the "Project") is in the final stages of procurement for the design and construction of Phase 1. Phase I

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

legislation authorizes projects for up to thirteen schools along with a District Wide Technology Improvement Project. The current program includes upgrades and additions for twelve schools in the Rochester City School District (the "District"), along with District wide technology improvements. Construction costs for Phase 1 of The Project are estimated to be \$244.9 million.

The RJSCB's enabling legislation authorizes it to use a PLA. To investigate the benefits of a PLA, the RJSCB has engaged Seeler Engineering, P.C., an independent consultant experienced in the development and implementation of PLAs, to conduct a thorough analysis of the costs/benefits of a PLA. Concurrent with this study the RJSCB has conducted negotiations for a PLA. Negotiations are completed although no agreement has yet been accepted by the RJSCB. The terms and conditions of the tentative agreement served as the basis of this report. The results of this independent study will serve as the basis for the final decision of whether or not to enter into the proposed PLA with the Rochester Building and Construction Trades Council.

Seeler Engineering, P.C. conducted this study by addressing whether a PLA covering The Project would:

- 1) provide economic savings and complete the best work at the lowest price in the construction process through, among other things, uniformity in work rules and practices; mechanisms for improved productivity, safety, and efficiency; and timely completion of the construction; and
- 2) prevent favoritism, fraud and corruption by ensuring access to the benefits of the PLA to all successful bidders (including open-shop contractors), as well as guaranteeing that all successful bidders are permitted to utilize a portion of their regular work force on The Project.

The RJSCB asked Seeler Engineering, P.C. to determine the most economical way to proceed with timely construction, with the least disruption to the public. It also asked Seeler Engineering, P.C. to consider the impact of delay, the possibility of cost savings advantages, and any local history of labor unrest.

What follows is a study designed to assist the RJSCB in determining whether to enter into the proposed PLA. The report summarizes Seeler Engineering, P.C.'s investigation of factors relating to the appropriateness of incorporating a PLA into the proposed Project.

1.2 RJSCB Rochester Schools Modernization Program

This study analyzes The Project, which comprises the first phase of a multi-phase program and encompasses improvements for up to thirteen district educational buildings along with a district wide technology upgrade project. The RJSCB has initially assessed twelve buildings and established planning level programming, including varying levels of:

- Alterations and renovations,
- Additions to address space adequacy, and
- Site modifications.

The RJSCB's enabling legislation is similar in many aspects to the legislation allowing the City of Buffalo and the City of Syracuse to proceed with their respective comprehensive capital renovation

programs. It creates the RJSCB and allows for the formation of a public/private partnership to deliver the \$325 million project with no additional tax levy.

In order for the District to continue its public service mission, it is critical to have a timely and successful completion of The Project. During the extended construction period, the District's vitally important public service activities must continue without interference or delay. The Project must be kept on schedule to prevent interference with planned school and community activities. School building projects will be continuing concurrently with regular school operations through the use of careful scheduling of work and relocation of educational activities into flex space. Any disputes or work stoppages on this project will, in all likelihood, spill over to interrupt and interfere with other aspects of school operations. The work contemplated under this project is geared to the opening of the school year, and the schedule must remain intact in order that these deadlines are met.

Therefore, it is essential that the construction work be done in an efficient and economical manner in order to secure optimum productivity and to eliminate any delays in the work.

1.3 The Proposed PLA

An agreement has been reached on the terms and conditions of a PLA although the agreement has not been accepted. As such, our assessment, contained in this report, is based upon our understanding of the agreed upon terms and conditions.

1.4 Our Study

Seeler Engineering, P.C. has developed a comparative analysis of the existing twenty-three area collective bargaining agreements for eighteen labor craft unions that would govern construction on the Project in the absence of a PLA. The intent of the review was to identify areas for improvement through the proposed PLA that could reduce the Project's total labor cost.

This study includes an assessment of the economic and non-economic benefits of the proposed PLA. Given the nature and size of this Project, and the make-up of the market, even in the absence of a PLA we would expect, on a dollar basis, approximately 75 percent of the successful project bidders to be unionized contractors covered by one or more of the twenty-three agreements referenced above. The percentage will vary by contract.

1.5 Summary

Implementation of the proposed PLA would result in savings ranging from \$5,668,948 to \$6,311,203 or approximately 5.4 to 6.0 percent of the projected cost of labor for the Project (estimated at \$105,615,000). Using a PLA would offer several other benefits that are not easily translated into dollar savings, but are significant to the completion of a project. These benefits include: avoiding the costly delays of potential strikes and other disruptions arising from work disputes, permitting wide flexibility in work scheduling and shift times thereby increasing productivity, ensuring a reliable source of skilled and experienced labor, enhancing opportunities for minority and women workforce participation through enhanced recruitment and training programs, and avoiding favoritism by ensuring availability of the benefits of the PLA to all successful bidders regardless of union/non-union status or the status of their employees. Given current economic conditions, the labor market is considered volatile. A PLA would, therefore, result in

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

obtaining the best work at the lowest possible price, prevent favoritism, fraud and corruption, and eliminate the impact of delay as a result of labor unrest.

For these reasons, Seeler Engineering, P.C. recommends the use of the proposed PLA for the Project.

Section 2 Project Description

2.1 Scope

The Rochester City School District consists of a number of Elementary, Middle and High School buildings around the City. The RJSCB's Facility Modernization Program is a comprehensive capital improvement program for the District. The Project, the first phase of a multi-phase plan, calls for repairs, maintenance, alterations, reconstruction, and additions to address "space adequacy" at up to thirteen District buildings and a project to enhance technology systems District-wide. The extent of the improvements to each building space will vary, but in general may contain asbestos abatement, replacement of interior finishes, lighting improvements, upgrades to communications and IT systems, HVAC improvements, interior space demolition and modification, and improvements to the building envelope for classrooms, athletic facilities, auditorium, administrative, and lunch room areas. The projects are to be completed while maintaining school operations in an uninterrupted and safe manner.

2.2 Schedule

The Rochester Schools Modernization Program is divided into multiple Phases with only the first phase authorized. This Phase extends from 2012 to 2015. A preliminary construction schedule is included as Appendix E and shows the individual projects included in Phase 1. All construction work is to be completed by the end of July 2015 (37 months).

Several key factors enter into the schedule for construction activities. First, schools must remain in full operation from September through June and the District and its contractors must remain in compliance with Part 155 of the Regulations of the Commissioner of Education. Certain construction activities can only be completed after the completion of the school day, during summer recess and/or with temporary relocation of certain activities. Construction of "Swing" space first is a key component in any schedule of activities. Modifications, improvements or changes to mechanical systems must typically be done during summer months. Lastly, certain site (athletic fields) work is constrained by weather and use considerations. The need for effective schedule management is therefore a critical element of The Project.

The thirty-seven month scheduled construction period, while not lavish, is reasonable and allows construction to proceed in a relatively benign manner with four summer seasons for construction as long as effective progress of interdependent work is maintained. So long as The Project does not incur significant delays, this construction timeframe should provide sufficient time to complete construction activities without the use of expedited construction techniques that would result in a premium charge to The Project.

2.3 Construction Costs

The RJSCB's Program Manager and the District prepared a project estimate for the Rochester Schools Modernization Program, a copy of which is included in Appendix F. The individual projects are listed below by phase. Total project costs including professional services, as well as construction, is projected to be \$325 million in 2011 dollars. Total construction cost is estimated at \$244.9 million. The estimated cost for each project is presented below:

Contract/School Name	Construction Cost			
John Williams School No. 5	\$17,730,000			
James P. B. Duffy School No. 12	\$15,650,000			
Enrico Fermi School No. 17	\$19,183,794			
Henry Hudson School No. 28	\$17,457,189			
Helen Barrett Montgomery School No. 50	\$17,442,549			
World of Inquiry School No. 58	\$36,240,961			
Charlotte High School	\$20,094,850			
Franklin Educational Campus	\$7,600,000			
Thomas Jefferson High School	\$20,960,000			
James Monroe High School	\$23,500,000			
East High School	\$19,840,000			
Edison Educational Campus	\$22,200,000			
District Wide Technology Program	\$7,020,000			
<u>Construction Cost Total</u> = \$244,919,343				

Section 3 Estimate of Craft Labor Needs

3.1 Craft Labor Breakdown

In connection with The Project, eighteen craft labor unions (with twenty-three craft labor union collective bargaining agreements) would represent the construction industry as signators to the PLA. Of this number, fifteen craft labor unions (with fifteen of the agreements) would likely have actual involvement in the work planned for The Project. A listing of the unions is presented on Table 1.

Table 2 includes work area labor breakdowns for The Project. This analysis estimates that approximately 2,357,310 craft labor hours will be required to complete construction work for The Project. Demand for craft labor will be immediate upon execution of the construction contracts. Given the nature and the size of The Project and the make-up of the market, even in the absence of a PLA, we would expect on a dollar basis approximately 75% of the successful project bidders to be unionized contractors covered by one or more of the craft labor agreements. For a project of this size we would not expect to see a significant number of new bidders from outside the area. Those that are from outside the area could create the potential for greater union participation because of the need to access large local workforces instead of incurring large workforce mobilization costs.

3.2 Projected Labor Costs

Utilizing applicable journeyman wage and benefit rates, we projected labor costs for The Project. The projected craft labor cost for The Project is estimated at \$105,615,189 or 43 percent of the anticipated construction cost, with the actual percentage varying on individual components from 20 to 60 percent.

Section 4 Summary of Existing Agreements

4.1 Existing Agreements

Seeler Engineering, P.C. has developed a comparative analysis of fifteen of the twenty-three craft unions and fifteen applicable collective bargaining agreements. Based upon the current scope of The Project, three crafts; Millwrights, Piledrivers and Teamsters would not have involvement in The Project. Further it is anticipated that the work planned would be subject to Building Rate Agreements only. Work subject to Heavy and Highway agreements is not anticipated. Significant aspects of each agreement are summarized on Table 3. Elevator workers participate in PLAs, however, because of the nature of the agreement, they are subject only to general conditions. The intent of the review was to identify areas of improvement achieved through the proposed PLA which could potentially result in a reduction of the labor cost for The Project. A brief synopsis of the terms of the existing agreements is presented below.

4.1.1 Contract Duration/Expiration Date

Contract durations range from two to five years, with the majority of the agreements being five years in duration. Five of the agreements (Bricklayers, Electrical Workers, Iron Workers, Operating Engineers and Painters) are set to expire just prior to the anticipated construction start date. Seven agreements are set to expire during the construction period.

4.1.2 Regular Work Hours/Regular Work Day

Regular work hours/work day are not consistent between agreements. Although all of the agreements standardize on a 5 day, 40 hour work week, some crafts allow 4 ten hour days as an alternative with consent of the union. The majority of the agreements set normal work hours from 8 a.m. to noon and 12:30 p.m. to 4:30 p.m. with an unpaid one-half hour for lunch. Several unions do not state specific start and quitting times, but state that the hours must be consecutive with a ½ hour lunch. Other unions specifically state that the starting and quitting times may be changed, but require notification to or mutual agreement of the union.

4.1.3 Guaranteed Pay

All of the union agreements except the Bricklayers, Carpenters, Insulators and Ironworkers require two or more hours pay for reporting in. Iron workers require \$30 per hour for the first two hours if the employee shows up and no work is provided due to weather or other means not controlled by the employer. The detailed requirements vary. Some of the agreements limit the obligation to non-weather related conditions. Some require the pay regardless. Still others require additional compensation if weather conditions permit work, but no work is provided. The Operating Engineers essentially guarantee a minimum of three full days of pay once the work day starts regardless of the hours actually worked. In some instances these guaranties can be as much as 40 hours. Most of the unions allow Saturdays as a make-up day for weather related delays at straight time.

4.1.4 Shift Work

The agreements vary widely. Shift differentials range from 10 to 17.5 percent premium for second shift to 15 to 31.4 percent premium for third shift. In addition, many agreements shorten the hours

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

worked for second and third shift (7.5 hours for second shift and 7 hours for the third shift) but require 8 hours of pay. Glaziers and Roofers do not address second and third shifts. The Painters require second and third shift compensation at base pay plus \$2 per hour.

4.1.5 Overtime

Most agreements provide for time-and-one-half for overtime for weekdays and Saturdays. For Sundays and holidays two-times base salary is typical. Painters allow Sunday work at time-and-one-half.

4.1.6 Holidays

All unions are standardized on 6 holidays: Christmas, New Years, Thanksgiving, Labor Day, Memorial Day and Independence Day. For all unions, holidays are unpaid if not worked.

4.1.7 Apprentice Ratios

The ratios vary and change with the number of Journeymen at the site. For example, many unions allow the first Apprentice with the first Journeyman. While one Apprentice usually is allowed initially, once staffing grows beyond a small labor force the following ratios have been established:

<u>Journeyman/Apprentice</u> <u>Ratio</u>	Number of Agreements
1/1	2
2/1	1
3/1	7
4/1	2
5/1	0
6/1	0
3/2	1

4.1.8 Off-Site Fabrication

Off-site fabrication rules vary from agreement to agreement. Some do not address the issue at all. For example, electricians define certain work elements and require them to be union. Plumbers require off-site work "under the control" of the contractor to be union. Several other crafts have similar language which could restrict flexibility in the use and selection of off-site fabricators.

4.1.9 Mileage and Parking

Some of the unions require payment for parking in downtown areas. Rules also vary for mileage. Most agreements do not require payment of mileage within Monroe County if the worker reports directly to the job-site. Compensation for parking ranges from \$0 to \$7 per day, while travel ranges from \$0.00 to \$0.51 per mile.

4.1.10 Management Rights

Most of the existing agreements do not contain a "Management's Rights" clause. This means that they lack clear statements of the rights of management giving the contractor the assistance and/or flexibility required for necessary control and management of The Project work, including control of the level of staffing and control/selection of key personnel such as the foreman including the consideration that the foreman be provided by Contractor.

4.2 Labor Unrest

We reviewed the general labor climate in the Rochester area over the last ten years. Our review revealed a mixed picture. Nationwide, labor activism is on the rise. This unrest is evidenced nationally by the Chicago Laborers Strike in June of 2006, which stopped the construction of an over \$1 Billion project and the most recent walkout of 400 unionized Cement Truck Drivers in New York City. The unrest is evidenced locally by recent organizing activities in the service industries in upstate New York, by the Bricklayers in Rochester, threatened job actions in the manufacturing sector, and recent demonstrations at the MCC campus related to a proposed housing project. As recently as February of 2010, IAM Local 1555 employees went on strike for twenty-two (22) weeks in Westfield, New York, Chautauqua County. A strike, just recently settled, by Mott's employees at the Williamson, New York facility is now the longest in the Company's history lasting five months. The Rochester area trades are known to have a very strong and comprehensive organizing program and are known to take a strong position when advocating for local union involvement in project work.

As demands on skilled labor increase, availability will decrease, making access to skilled workers through hiring halls and certified apprenticeship programs even more valuable, thus giving the union worker greater strength at the bargaining table. This, in turn, increases the potential for confrontation in local bargaining and labor disruption as local area bargaining agreements go through the negotiation process. Other large projects planned for the Rochester area such as the Midtown Redevelopment Project, RGRTA Transportation Center, and new Federal and State stimulus projects could place significant demands on available labor.

While the majority of public works projects contain a Force Majeure clause excluding labor disputes from penalty provisions, a work stoppage, nonetheless, would mean additional cost for The Project. The time and expense added to a bid to protect against the uncertainties of an unstable labor force (e.g., added coordination costs, acceleration of schedules, standby costs during job actions, costs to cover liquidated damages) are real. Additionally, claims for standby costs for multiple contractors working on a site in a interdependent manner, plus material cost increases over time, can have a significant impact on projects. Job actions of any nature therefore become a critical factor in cost-effective timely project completion.

The 52-county Upstate New York region's non-seasonally adjusted unemployment rate stood at 7.0 percent in October 2011, down from 7.2 percent in August 2011. New York State's seasonally adjusted unemployment rate was 7.9 percent in October 2011, down from 8.3 percent in October 2010.

Given the current economic and unemployment conditions, we view the labor market as volatile. The high unemployment rate and reduced spending on capital projects would suggest that a large labor pool from both inside and outside the region is available and willing to work, although organizing activities are expected to increase and the frequency of job actions are expected to increase over the issue of keeping employment local.

Section 5 Economic Considerations

5.1 General

We conducted an analysis of potential cost savings for The Project utilizing the projected labor craft hours, wage rates currently in effect and contract provisions included in the proposed PLA. See below a discussion of the cost impacts of the individual contract provisions as proposed, including detailed calculations in Appendix G.

5.2 No Strike Protection for Contract Duration

The proposed PLA would apply to all construction contracts bid and awarded for The Project. It would prohibit strikes and lock-outs or other job actions for the duration of the agreement. This would avoid the potential for work stoppages resulting from wage and benefit negotiation at the end of each craft's local area agreement, thus ensuring uninterrupted project completion. Costs associated with a project shutdown would include owner/engineer oversight time and expense, standby time for equipment and extended interim financing charges. The cost of owner/engineering oversight alone approximates \$18,000 to \$25,000 per month (\$900/day to \$1300/day). Cost for keeping swing space available is projected to be from \$100,000 - \$250,000 per month.

5.3 Regular Work Hours/Regular Work Day

The proposed PLA would provide for flexibility in the regular work day start time. This would allow the contractor the flexibility to set uniform start times for all trades. The start time for the first shift can be varied within a three hour window between 6 a.m. and 9 a.m. More significantly, the proposed PLA will allow for Special Shifts, with prior notice. These provisions give the contractor flexibility to schedule the workday to maximize productivity without paying one or more crafts persons needlessly and more easily managing additional costs for overtime and shift differentials. Flexible hour schedules to accommodate seasonal daylight and late start in winter to accommodate snow plowing, etc. also will enhance productivity

It is estimated that a productivity gain of 1 hour per worker per week during critical coordination periods would be realized for common work day and flexible shift start times. The savings are estimated at \$223,793.

5.4 Overtime

Based upon the most likely staffing scenario, we anticipate the use of overtime. Up to 20 percent of the labor effort could be in overtime hours depending upon the implementation of other provisions of the proposed PLA. Overtime could result from unusual conditions caused by work in and around existing facilities that must remain in service at all times. The proposed PLA standardizes on time and one half for overtime on weekdays and Saturdays. We do not anticipate work conditions that would trigger overtime at a rate greater than 1.5 times base, so this provision alone does not yield any savings.

5.5 Second/Third Shift

The proposed PLA would eliminate shift differentials. The Project contemplates a very small percent of the work activities to require work on a second shift or third shift. By eliminating shift differentials and using the flexible start times discussed above, The Project could eliminate the premium normally incurred for labor associated with these activities. Based upon project execution currently anticipated this provision would result in no significant project savings. Nevertheless, the PLA should include such a provision in the event The Project changes.

5.6 Four Ten Hour Days

The proposed PLA would provide for flexibility in the regular work week by allowing a contractor to use a 4 - 10 hour day schedule or a regular day, 8 hours per 5 day schedule. Further, the contractors may set start times between the hours of 6 a.m. and 9 a.m. and use special shift start and finish times to fit the needs of the assignment. This would give the contractor flexibility to schedule the workday to maximize productivity and eliminate the setup and breakdown time for one work day each week. Flexible hour schedules could accommodate for seasonal daylight, and after hours work, which would enhance productivity. Savings are estimated to be approximately one hour per week per person. The maximum savings results from implementation of a 4 day, 10 hour schedule for 9 months of the construction schedule. We anticipate that this provision would be exercised during the summer months and include June, July, and August, three months during the summer of 2012, three months during the summer of 2013, and three months during the summer of 2014. The estimated maximum savings is projected to be \$642,255.

5.7 Industry Fund Payments

PLA provisions would limit the workers' pay to base wages and fringe benefit payments as published in the prevailing wage schedules. This in turn would avoid collectively bargained payments, such as Industry Promotion Funds, which are in excess of those required by/for public works projects. The local agreements provide for a payment ranging from \$0/hr up to a maximum of \$2.09/hr for these added costs. The elimination of these payments under a PLA would, therefore, save approximately \$843,600.

5.8 Apprentice Ratio/Apprentice Program Participation

The proposed PLA terms agree to apprentice ratios set by the New York State Department of Labor. This translates to apprentice ratios of 3 to 1 or better. By moving several of the crafts to this ratio, a reduction in labor cost would be realized. It is estimated that this modification could result in a cost savings of \$249,882.

The proposed PLA also provides access to a qualified pool of apprentices for non-union contractors not otherwise available. This provision would allow for non-union contractors (who do not have state approved apprentice programs) to obtain qualified apprentices, through the referral process, to lower overall crew labor cost. Based upon the size and schedule of The Project, we anticipate that apprentices would be utilized. By providing access to contractors who would not otherwise be able to take advantage of apprentices, the proposed PLA results in an estimated savings of \$1,376,565.

5.9 Guaranteed Pav

The proposed PLA would eliminate guaranteed pay in its entirety and replace it with a travel allowance equivalent to one hour's pay was evaluated. Standardizing on this provision for The Project results in a small savings given the anticipated work and schedule. Such a provision is, however, valued in the event of a change in the scope of the work or work circumstances. The estimated savings based upon The Project currently anticipated is projected to be \$6,049.

5.10 Mileage and Parking

The proposed PLA would eliminate mileage and parking reimbursements in its entirety. The estimated saving is projected to be \$258,645.

5.11 Off-site Fabrication

The proposed PLA will remove restrictions on off-site work. The Project would be limited only by restrictions imposed by New York State law and, therefore, provide additional flexibility to utilize off-site fabrication involving mostly sheet metal, electrical, pipefitting, ironwork and carpentry. The estimated savings is projected to be \$307,536.

5.12 Minority and Female Referrals

The Project has established minority and female workforce participation goals of 20% and 6.9% respectively. To support these very aggressive goals each contractor will contribute \$0.15 per trade for each craft hour worked to Rochester Careers in Construction, Inc. a non-profit 501(c)(3) corporation. The goal of this non-profit is to recruit and equip minority and women candidates with the skills needed to enter apprentice programs in the construction trades. Once these individuals are entered into the apprentice program these individuals can be made available for work on The Project through the "Direct Entry" procedure or NYS Department of Labor waiver. This feature of the proposed PLA adds \$352,247 to the cost of The Project.

5.13 Management Rights/Jurisdictional Requirements

Management can realize distinct efficiencies by controlling the level of staffing, the scheduling of staffing, and the selection and employment of a Foreman as Contractor's staff. For large projects or complex projects with high labor loadings, savings of two percent of the labor costs from these clearly established management rights are typically realized. For smaller projects or less complex projects with moderate schedules and less intense labor loadings, these advantages are reduced to 0.5 percent.

Further adjustments can be made to small projects when considering the effect of jurisdictional restrictions. In an open shop environment, workers would be allowed to perform the work of more than one trade over the work day. While prevailing wage requirements would dictate that they must be compensated for the work of each trade in accordance with the applicable schedule in effect for that trade, they would still be allowed to perform the differing tasks. Union agreements and, by their nature, PLAs would restrict the work of the governing trade, thereby prohibiting crossover to take place. The crossover of individual workers from one trade activity to another in a single days work is more frequent on smaller, less intense projects. This practice also occurs more frequently in the general building construction trades than in other crafts.

PLA Benefits Analysis - RJSCB Rochester Schools Modernization Program

Giving the contractor(s) the ability to control various aspects of The Project could optimize shared savings. We anticipate a 1.5 percent cost reduction for this item. Savings are projected to be \$2,755,125.

5.14 Summary

The application of the proposed PLA would result in projected, quantifiable savings ranging from \$5,668,948 to \$6,311,203, or approximately 5.4 to 6.0 percent of labor costs.

Section 6 Additional Considerations

We believe that the RJSCB could enjoy several additional benefits from the use of a PLA. These are difficult to precisely quantify in dollars at this time, but would nonetheless be significant factors in the overall success of The Project.

6.1 Labor Stability

The RJSCB anticipates that Project construction will occur over 37 months. During the life of The Project, renewal of seven local labor contracts will occur. Of the seven renewals, two agreements renew during the spring of 2013, four will take place during the spring of 2014 right in the middle of the construction schedule, and one agreement renews during the spring of 2015. Should there be any significant disruption during these contract renewals (traditionally, these have been the periods of most intense labor unrest), The Project could be significantly disrupted and the objective of making the site available for the end of July 2015 would be jeopardized. While the cost of any disruption cannot be precisely quantified, the impact is clear. For projects with multiple prime contracts (e.g., general, electrical, HVAC, plumbing) work disruptions can result in claims of delay by other contractors working on the site who are dependent upon the performance of the contractor subject to the action. Other costs may include items associated with standby time and price increases for materials and equipment. Further, project administrative costs such as additional costs for architectural/engineering oversight and interim project financing would be incurred. At a minimum, an estimated \$18,000 to \$25,000/month in project administration and engineering oversight costs would be expected. The RJSCB, the District and the community at large would greatly benefit from assuring that the improvements can move forward without disruption.

6.2 The Burdens of Management

The RJSCB faces a significant challenge in assembling a management team and structure that can ensure the timely completion of this multi-component project while maintaining quality assurance, ongoing operations and community relations. The management rights provided by the proposed PLA would allow The Project management team to establish clear work rules for the program (as reserved by a PLA). The insertion of no strike/binding arbitration procedures offered by the proposed PLA would provide value in successful management of such a construction project. Many of the proposed construction components are dependent on each other, requiring that construction activities be closely coordinated. The proposed PLA can provide added work schedule flexibility to aggressively manage the critical interfaces.

6.3 The "Tag Along Provision"

Key provisions of any Project Labor Agreement include the "Union Recognition and Employment" provisions, specifically the Union Referral requirement. Commonly referred to as the "Tag Along" requirement, this provision governs the process of bringing craft workers to The Project. All craft workers are required to pass through the job referral systems and hiring halls established by the unions. The "Tag Along" provision specifically allows a contractor who is not signatory to a collective bargaining agreement to bring his own core employees to The Project. The number of core employees brought to the job are limited by the agreement on the basis of a percentage of the workforce on The Project. PLAs in

use in upstate and western New York have commonly established "Tag Along" requirements of from 25 percent to 50 percent. The proposed PLA for this project would agree to a 25 percent Tag Along, a very favorable requirement. Further, the proposed PLA recognizes the unique needs of those subcontractors participating in approved minority, women, disadvantaged, and small business plans for this project by allowing additional flexibility in tag along requirements. Arguments have been made that such provisions detract from the productivity of a contractor because the capabilities of the individuals that come to work on the site are unknown to the contractor. Arguments have also been made that such provisions allow contractors to effectively staff more projects at any given time by allowing known staff to be distributed across more projects with access to skilled labor to fill in the peak demands. No single argument carries more weight than another. Striking an effective balance in the core employee provisions is, therefore, important to an effective PLA.

6.4 Public Debate

A Project Labor Agreement is a unique project management tool that is sometimes misunderstood and sometimes considered controversial. As such, the decision making process required for implementation of such an agreement is sometimes surrounded by the strong opinions and emotions that are associated with the general debate about the value and efficiency of union versus non-union labor. Opponents of PLAs have claimed that implementation of a PLA adds to the cost of a project by driving away bidders or limiting competition by precluding open-shop contractors. Our recommended form of agreement clearly allows for an open bidding environment for both union and open shop contractors. Furthermore, experience on a number of projects indicates that PLAs do not have such a limiting effect. In fact, the courts have rejected such claims as a legal matter. Nonetheless, such debate still occurs.

6.5 Enhanced Minority Recruiting & Training Programs

The proposed PLA will assist in advancing minority/women recruitment and training goals for The Project by combining formal and comprehensive pre-apprentice programs designed to deliver first year apprentices prepared to make a construction trade a career, with apprentice demands for The Project. Goals and objectives for minority and women workforce participation have been developed which incorporate this significant feature in the context of DOL approved apprentice programs not otherwise available to non-union contractors who do not have approved programs.

Section 7 Conclusions and Recommendations

Based upon the size and scope of The Project, the proposed schedule and the anticipated mix of craft labor, we conclude that using the proposed PLA will provide the RJSCB with substantial economic benefit. Specifically, the proposed PLA addresses the RJSCB's interest in obtaining the best work at the lowest price.

Non-economic benefits would also be available through the use of a PLA. These include:

- 1) avoiding the costly delays of potential strikes, slowdowns, walkouts, picketing and other disruptions arising from work disputes and promoting labor harmony and peace for the duration of The Project;
- 2) standardizing the terms and conditions governing the employment of labor on The Project;
- permitting wide flexibility in work scheduling and shift hours and times, thereby increasing productivity;
- 4) providing comprehensive and standardized mechanisms for the settlement of work disputes, including those relating to jurisdiction;
- 5) ensuring a reliable source of skilled and experienced labor;
- 6) providing for a long-term minority and women recruiting and training program;
- 7) reducing direct labor costs; and
- 8) avoiding favoritism, fraud and/or corruption by ensuring availability of the benefits of the PLA to all successful bidders regardless of union/non-union status or the status of their employees.

The proposed PLA would promote a number of RJSCB's interests and is consistent with the objectives of measurably protecting the public fiscally and avoiding favoritism, fraud and/or corruption.

Application of the proposed PLA is, therefore, recommended for RJSCB Rochester Schools Modernization Program.

Tables

Table 1 Rochester Joint Schools Construction Board Rochester Schools Modernization Program PLA Benefit Analysis

Labor Unions Representing the Construction Industry
In Monroe County

<u>Name</u>	<u>Local No.</u>
Boilermakers	7
Bricklayers (Building and H&H)	3
Carpenters (Building and H&H)	85
Electricians	86
Elevator Workers	27
Glazers	677
Heat & Frost Insulators	26
Iron Workers	33
Laborers (Building and H&H)	435
Millwrights	1163
Operating Eng. (Building and H&H)	832
Painters	4
Pile Drivers	289
Plumbers/Steamfitters	13
Roofers	22
Sheet Metal Workers	46
Sprinkler Fitters	669
Teamsters (Building and H&H)	118

Table 2 Rochester Joint Schools Construction Board Rochester Schools Modernization Program PLA Benefit Analysis

Work area Labor Hours And Cost Breakdown

Craft	Labor \$ per Craft	Journeyman Rate \$/hr (incl. Benefits)	Estimated Total Hours per Craft	
Boilermakers	\$209,412	\$52.19	4,012	
Bricklayers (Bldg.)	\$11,399,220	\$44.63	255,416	
Carpenters (Bldg.)	\$14,394,113	\$38.91	369,934	
Electricians	\$20,499,735	\$53.10	386,059	
Elevator Workers	\$135,355	\$63.41	2,135	
Glazers	\$2,532,324	\$39.45	64,191	
Heat & Frost Insulators	\$1,675,142	\$43.77	38,271	
Iron Workers	\$1,574,663	\$46.96	33,532	
Laborers (Bldg.)	\$11,341,852	\$37.47	302,692	
Operating Eng. (Bldg.)	\$2,503,820	\$48.69	51,424	
Painters	\$4,452,544	\$39.26	113,412	
Plumbers/Steamfitters	\$16,412,421	\$50.54	324,741	
Roofers	\$6,298,294	\$40.77	154,484	
Sheet Metal Workers	\$10,271,223	\$48.97	209,745	
Sprinkler Fitters	\$1,915,070	\$50.05	38,263	
Totals	\$105,615,189		2,348,310	

Table 3 Rochester Joint Schools Construction Board Rochester Schools Modernization Program PLA Benefit Analysis

Summary of Key Agreement Provisions

AGREEMENT	Boiler Makers	Bricklayers - Bldg	Carpenters - Bldg	Electricians	Glaziers	Heat & Frost Insulators	Ironworkers	Laborers - Bldg
PROVISIONS	Local 7	Local 3	Local 85	Local 86	Local 677	Local 26	Local 33	Local 435
Expiration Date	9/30/2009	4/30/2012	4/30/2011	5/27/2012	4/30/2014	5/31/2013	4/30/2012	4/30/2014
Contract Duration Working Hours	3 years	5 years	5 years	4 years	5 years	2 years	3 years	5 years
A. Regular Work Hours	40 Mon-Fri	40 Mon-Fri 4-10's	40 Mon-Fri	40 Mon-Fri 4-10's	40 Mon-Fri 4-10's	40 Mon-Fri Saturday and Sundays can be work days through mutual agreement on project	40 Mon-Fri	40 Mon-Fri
B. Regular Work Day	8 hours between 8:00 AM - 4:30 PM	8 hours between 6:00AM - 4:30PM Saturday Make up Day	8 hours 6-8am start time Saturday Make up Day	8 hours between 7:00AM - 3:30PM	8 hours	8 hours between 7:00AM - 5:00PM	8 hours	8 hours Saturday Makeup Day
C. Report In Pay / Guaranteed Minimum	2 hours if employee shows up and no work is provided due to weather or other means not controllable by the Employer. 4 hours if employee shows up and work is not provided. 2 Hours	1 hour paid if employee shows up and no work is provided due to weather or other means not controlled by the Employer for 2 hours.	Not Addressed	2 hours show up pay, 4 hours if work is started and then stopped due to weather or other means not controlled by the Employer	2 hours if employee shows up and no work is provided due to weather or other means not controllable by the Employer.	Not Addressed	\$30 per hour for first 2 hours. If work starts regular wage replaces.	2 hours show up pay, 4 hours if work is started and then stopped due to weather or other means not controlled by the Employer
D. Shift Work	2nd Shift: 7 1/2 for 8 hrs pay 3rd Shift: 7 for 8 hrs pay	2nd Shift: 7.5 hrs for 8 hrs pay 3rd Shift: 7hrs for 8 hrs pay	2nd Shift: 7.5 hrs for 8 hrs pay 3rd Shift: 7hrs for 8 hrs pay	2nd Shift: 17.3% X Base 3rd Shift: 31.4% X Base Both for 8 hrs worked	Not Addressed	2nd Shift: 15% X Base 3rd Shift: 15% X Base Both for 8 hrs worked	2nd Shift: 7.5 hrs for 8 hrs pay 3rd Shift: 7hrs for 8 hrs pay -or- 2nd Shift: 10% X Base (8hrs) 3rd Shift: 15% X Base (8hrs)	2nd Shift: 7.5 for 8 hrs pay 3rd Shift: 7 for 8 hrs pay
E. Overtime	1 1/2 X Base Mon-Sat. 2 X Base Sundays, Holidays and Firday or a holiday weekend	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday	1.5 X Base Mon - Sat 2 X Base Sun & Holiday
F. Holidays	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving Presidents Day Veterans Day	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving
G. Apprentice Ratios	,	Not addressed	2 Journeymen to 1 Apprentice	3 Journeymen to 2 Apprentice	1 Journeymen to 1 Apprentice	3 Journeymen to 1 Apprentice	4 Journeymen to 1 Apprentice	3 Journeymen to 1 Apprentice
H. Travel Reimbursement		\$0.51 per mile driven during the work day	compensated for parking after the first initial day of work	Shop to job, job to job, job to shop reimbursement at IRS rates (\$0.51/mile)	\$0.38 per mile per man	Paid parking to a maximum of \$7 a day in the city.	Not Addressed	Not Addressed

Table 3 Rochester Joint Schools Construction Board Rochester Schools Modernization Program PLA Benefit Analysis

Summary of Key Agreement Provisions

AGREEMENT	Operating Engineers - Bldg	Painters	Plumbers/Steamfitters	Roofers	Sheetmetal Workers	Sprinkler Fitters
PROVISIONS	Local 832	Local 4	Local 13	Local 22	Local 46	Local 669
Expiration Date	4/30/2012	4/30/2012	4/30/2015	6/1/2014	5/4/2014	3/31/2013
Contract Duration Working Hours	2 years	5 years	4 years	4 years	5 years	3
A. Regular Work Hours	40 Mon-Fri	40 Mon-Fri	40 Mon-Fri	40 Mon-Fri	40 Mon-Fri 4-10's	40 Mon-Fri 4-10's
B. Regular Work Day	8 hours 7:00AM Start Time Saturday Makeup Day	8 hours Saturday & Sunday Makeup Day	8 hours between 6:00AM - 5:00PM	8 hours between Saturday makeup day	8 hours between 6:00 AM - 5:30 PM	8 hours between 6:00 AM - 6:00 PM
C. Report In Pay / Guaranteed Minimum	On a project less than 40 hrs in length minimum 8 hrs pay for the week. On a project more than 40 hrs in length minimum 24 hrs pay for one week	2 hours if employee shows up and no work is provided due to weather or other means not controllable by the Employer.	2 hours show up pay, 4 hours if work is started and then stopped. 8 hours pay if over 4 hours are worked. No pay if due to weather	2 hours show up pay if employee shows up and no work is provided No pay if due to weather	2 hours if employee shows up and no work is provided due to weather or other means not controllable by the Employer.	4 hours show up pay if employee shows up and no work is provided 8 hours if worked 4 in morning No pay if due to weather
D. Shift Work	2nd Shift: 7.5 for 8 hrs pay 3rd Shift: 7 for 8 hrs pay	2nd Shift: Base plus \$2 3rd Shift: Base plus \$2	2nd Shift: 10% X Base 3rd Shift: 10% X Base Both for 8 hrs worked	No shift work	2nd Shift: 14% X Base 3rd Shift: 20% X Base Both for 8 hrs worked	2nd Shift: 15% X Base 3rd Shift: 15% X Base Both for 8 hrs worked
E. Overtime	1 1/2 X Base Mon - Sat 2 X Base Sun & Holiday	1 1/2 X Base Mon - Sun 2 X Base Holiday	1 1/2 X Base Mon - Sat 2 X Base Sun, Holiday 1 1/2 X Base Day After Thanksgiving	1 1/2 X Base Mon - Sat 2 X Base Sun, Holiday	1 1/2 X Base Mon - Sat 2 X Base Sun, Holiday	1 1/2 X Base Mon - Sat 2 X Base Sun, Holiday
F. Holidays	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving	New Year's Christmas Memorial Day Independence Day Labor Day Thanksgiving
G. Apprentice Ratios	3 Journeymen to 1 Apprentice	3 Journeymen to 1 Apprentice	4 Journeymen to 1 Apprentice	Depends on the job	3 Journeymen to 1 Apprentice	
H. Travel Reimbursemen	Not Addressed	Not Addressed	Not Addressed	Parking within the inner loop \$4.75 per day. Milage outside jurishdiction only.	reimbursement for travel outside of free zone is \$0.51 per mile	< 60 miles = \$0 60 - 80 miles = \$15/day 80 - 100 miles = \$25/day > 100 miles = \$75/day + \$0.40/mile and travel time up to 8 hours per day, per 24 hours

2 of 2

Appendices

Appendix A

OFFICE OF MANAGEMENT AND BUDGET

STATEMENT OF JOHN KOSKINEN

DEPUTY DIRECTOR FOR MANAGEMENT

BEFORE THE

COMMITTEE ON LABOR AND HUMAN RESOURCES

UNITED STATES SENATE

APRIL 30, 1997

Mr. Chairman and Members of the Committee:

I am pleased to testify today concerning the President's proposed Executive Order on the use of project labor agreements for federal construction projects.

Let me begin by noting that the President has not yet issued the proposed order. On April 8, 1997, the Office of Management and Budget (OMB) circulated a preliminary draft of the proposed order to federal departments and agencies for their review and comment. A revised draft is now being considered by the departments and agencies for additional comment, so that final drafting of the Executive Order has not been completed. Its terms remain subject to revision.

I do not think that it is appropriate for me to get into the intricacies of the Executive Branch's drafting process. But let me describe in general terms what the proposed Executive Order will <u>not</u> do. It will not require agencies to use project labor agreements. The agencies retain complete discretion. It will not suggest that project labor agreements be used where they would raise the cost of a construction project. The point of the Order is for agencies to consider whether project labor agreements promote economy and efficiency. The proposed Executive Order will not change or extend the law regarding project labor agreements. It will not shut out non-union contractors from federal construction projects. Everyone is free to bid. Finally, notwithstanding much public comment to the contrary, the proposed Executive Order will <u>not</u> require workers on federal construction projects to join a union.

Let me briefly discuss project labor agreements in general. A project labor agreement (PLA) is a project-specific agreement, negotiated at the outset of a construction project, between the construction owner or contractor and all of the labor unions representing the crafts that are needed for the project. The agreement covers the wages, working conditions, work rules, and dispute-resolution procedures for the duration of the project. It may also specify a source of skilled labor for the project. Most important, a project labor agreement generally guarantees that the project will be built without strikes, lock-outs, or other disruptions, which might delay completion and increase costs.

Project labor agreements have proven valuable in both the public and the private sectors. They can help ensure that projects are completed on-time and on-budget-- without accidents, delays, and unexpected costs. By fixing labor costs, specifying a source of skilled, well-trained workers, and eliminating the risk of work stoppages, project labor agreements support the success of a construction project.

In the private sector, project labor agreements have been used successfully in building such large facilities as the Trans-Alaska pipeline, Disney World, and the Saturn Corporation automobile assembly plant. State and local governments have funded many construction projects--including bridges, office complexes, transit systems, and airports--that were built under project labor agreements. Perhaps the best-known recent example of a public project involving a project labor agreement is the massive sewage-treatment system for metropolitan Boston, ordered as part of the clean-up of Boston Harbor. I understand that the Boston Harbor project is on-schedule and under-budget.

The federal government has long used project labor agreements on large construction projects, like dams, defense installations, and atomic energy facilities. Today, project labor agreements are in effect--and working well--at several Department of Energy sites, including the Savannah River Site in South Carolina, the Nevada Test Site, the Hanford Site in Washington, the Oak Ridge Site in Tennessee, and the Rocky Flats Plant in Colorado.

In light of positive experience with project labor agreements on public projects, state governors in New Jersey, New York, Nevada, and Washington have issued executive orders authorizing their use for state-funded construction, when such agreements will promote efficient, timely, and safe construction of a project.

In contrast, the federal government has <u>not</u> had a clear, uniform policy addressing when project labor agreements may be used on federal construction projects. President Clinton's proposed Executive Order is intended to establish such a policy. Under the policy, the federal government will be able, in appropriate circumstances where efficiency and economy will be served, to reap the same benefits that private firms and state and local governments have obtained from using project labor agreements.

The proposed Executive Order is a proper exercise of the executive function. The Federal Property Act--designed to achieve economy and efficiency in contracting--gives the President authority to prescribe policies and directives "as he shall deem necessary to effectuate" the Act. 40 U.S.C. §486(a). The federal courts have made clear that this statute gives the President broad discretion. Because they related to economy and efficiency in procurement, executive orders denying contracts to companies that violated federal wage and price guidelines, or that engaged in discrimination, have been upheld by the courts. The proposed Executive Order on project labor agreements clearly meets this test.

The proposed Executive Order will not mandate the use of project labor agreements. Instead, it would simply encourage federal departments and agencies to consider, on a case-by-case basis: (1) whether using a project labor agreement will promote the economical, efficient, timely and high quality performance of a federal construction project; and (2) whether laws applicable to the construction project preclude the use of a project labor agreement. Agencies would make these determinations according to objective, published criteria. This approach will promote more systematic decision-making by federal agencies and will facilitate oversight of their decisions.

But let me emphasize again: Federal agencies will retain discretion in each case to decide if a project labor agreement should be used on a particular construction project. The proposed Executive Order will <u>not</u> require that a project labor agreement be used on any individual project, much less on every project. We have taken pains to make this clear in the Order.

If a federal agency did choose to require a project labor agreement, no business would be excluded from bidding on the contract for the project. Any contractor could bid on--and win--a federal contract that required a project labor agreement, whether or not the contractor's employees were represented by a labor union. That same principle of open competition would protect subcontractors, as well. Again, we have taken pains to make this abundantly clear in the Order. Project labor agreements will be made available to all contractors and subcontractors wishing to compete for contracts and subcontracts on the project.

Subcontractors whose employees are not represented by a union nevertheless have bid successfully on construction projects covered by project labor agreements. For example, I am told that roughly one-half of the subcontractors on the Boston Harbor project and at the Energy Department's Savannah River site do not have employees who are regularly represented by a labor union.

Just as all bidders would be free to compete for contracts, so all qualified workers would be eligible for employment on projects covered by project labor agreements, whether or not they were members of a labor union. On this issue, too, the proposed Executive Order will be specific. Project labor agreements are to be made accessible to employees without discrimination on the basis of union membership or non-membership.

Certainly, it is true that some project labor agreements call for recruitment of some workers at union-administered hiring halls, a provision that helps ensure a reliable source of skilled, qualified workers. But under the National Labor Relations Act, union hiring halls must be open to all workers, union members and non-members alike. And under the same law, no worker can ever be compelled to join a union, or to pay fees for union activities that are unrelated to collective bargaining. In so-called "right-to-work" states, workers cannot be required to pay any union fees at all. All workers, of course, receive the benefits of any collective bargaining agreement that covers them, and would be governed by the agreement's no-strike and dispute-resolution procedures.

The proposed Executive Order is fully consistent with the National Labor Relations Act. In a 1993 case involving the Boston Harbor project, the Supreme Court itself has upheld a state-required project labor agreement, rejecting the claim that the National Labor Relations Act pre-empted the state's use of such an agreement. Building & Construction Trades Council v. Associated Builders & Contractors of Massachusetts, 507 U.S. 218 (1993). As the Supreme Court observed, "To the extent that a private purchaser may choose a contractor based upon the contractor's willingness to enter into a pre-hire agreement, a public entity as purchaser should be permitted to do the same." That principle supports the use of project labor agreements by federal, as well as by state, agencies. And, indeed, a federal appeals court has upheld the use of a project labor agreement at a Department of Energy facility. Phoenix Engineering, Inc. v. MK-Ferguson of Oak Ridge Co., 966 F.2d 1513 (6th Cir. 1992).

In this important respect, the proposed Executive Order on project labor agreements is easily distinguishable from the President's earlier order addressing the use of striker replacements by federal contractors. And unlike the earlier order,

the proposed order will not bar federal agencies from dealing with certain contractors. Instead, agencies are permitted to consider, case-by-case, whether a project labor agreement would promote efficiency and economy. As I have explained, all contractors will remain free to compete for contracts, including contracts that incorporate a project labor agreement requirement.

Apart from attacking the legality of the proposed Executive Order, some critics of the order suggest that project labor agreements will necessarily increase the cost of federal construction. This argument is premised on the notion that unions typically win higher wages and benefits for workers. Even accepting that premise, the fact remains that wage and benefit rates cannot be considered in isolation from the over-all cost of a project. Project labor agreements are intended to keep these costs down. Lower wages and benefits for workers in the short-term do not benefit the Government, if a project ends up costing more because of factors that project labor agreements are designed to address: like work stoppages, labor shortages, unexpected increases in labor costs, accidents, low productivity, or poor quality work. These considerations will have to be weighed by federal agencies on a project-by-project basis, just as the proposed Executive Order contemplates.

I hope that I have been able to clarify what the Administration intends to do--and what it has been careful to avoid--in connection with the proposed Executive Order. The Order will reaffirm that federal agencies may use a project labor agreement, when it serves the ends of economy and efficiency. State governments, local governments, and private firms all have found that project labor agreements, in the right circumstances, make good sense. The federal government should be able to follow their example. That is all that the proposed Executive Order is intended to permit.

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Appendix B

THE WHITE HOUSE

Office of the Press Secretary

For Immediate Release

February 6, 2009

EXECUTIVE ORDER

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USE OF PROJECT LABOR AGREEMENTS FOR FEDERAL CONSTRUCTION PROJECTS

By the authority vested in me as President by the Constitution and the laws of the United States of America, including the Federal Property and Administrative Services Act, 40 U.S.C. 101 et seq., and in order to promote the efficient administration and completion of Federal construction projects, it is hereby ordered that:

Policy. (a) Large-scale construction projects Section 1. pose special challenges to efficient and timely procurement by the Federal Government. Construction employers typically do not have a permanent workforce, which makes it difficult for them to predict labor costs when bidding on contracts and to ensure a steady supply of labor on contracts being performed. Challenges also arise due to the fact that construction projects typically involve multiple employers at a single location. A labor dispute involving one employer can delay the entire project. A lack of coordination among various employers, or uncertainty about the terms and conditions of employment of various groups of workers, can create frictions and disputes in the absence of an agreed-upon resolution mechanism. These problems threaten the efficient and timely completion of construction projects undertaken by Federal contractors. On larger projects, which are generally more complex and of longer duration, these problems tend to be more pronounced.

(b) The use of a project labor agreement may prevent these problems from developing by providing structure and stability to large-scale construction projects, thereby promoting the efficient and expeditious completion of Federal construction contracts. Accordingly, it is the policy of the Federal Government to encourage executive agencies to consider requiring the use of project labor agreements in connection with large-scale construction projects in order to promote economy and efficiency in Federal procurement.

Sec. 2. Definitions.

- (a) The term "labor organization" as used in this order means a labor organization as defined in 29 U.S.C. 152(5).
- (b) The term "construction" as used in this order means construction, rehabilitation, alteration, conversion, extension, repair, or improvement of buildings, highways, or other real property.

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- (c) The term "large-scale construction project" as used in this order means a construction project where the total cost to the Federal Government is \$25 million or more.
- (d) The term "executive agency" as used in this order has the same meaning as in 5 U.S.C. 105, but excludes the Government Accountability Office.
- (e) The term "project labor agreement" as used in this order means a pre-hire collective bargaining agreement with one or more labor organizations that establishes the terms and conditions of employment for a specific construction project and is an agreement described in 29 U.S.C. 158(f).
- $\underline{\operatorname{Sec}}$. $\underline{3}$. (a) In awarding any contract in connection with a large-scale construction project, or obligating funds pursuant to such a contract, executive agencies may, on a project-by-project basis, require the use of a project labor agreement by a contractor where use of such an agreement will (i) advance the Federal Government's interest in achieving economy and efficiency in Federal procurement, producing labor-management stability, and ensuring compliance with laws and regulations governing safety and health, equal employment opportunity, labor and employment standards, and other matters, and (ii) be consistent with law.
- (b) If an executive agency determines under subsection (a) that the use of a project labor agreement will satisfy the criteria in clauses (i) and (ii) of that subsection, the agency may, if appropriate, require that every contractor or subcontractor on the project agree, for that project, to negotiate or become a party to a project labor agreement with one or more appropriate labor organizations.
- Sec. $\underline{4}$. Any project labor agreement reached pursuant to this order shall:
- (a) bind all contractors and subcontractors on the construction project through the inclusion of appropriate specifications in all relevant solicitation provisions and contract documents;
- (b) allow all contractors and subcontractors to compete for contracts and subcontracts without regard to whether they are otherwise parties to collective bargaining agreements;
- (c) contain guarantees against strikes, lockouts, and similar job disruptions;
- (d) set forth effective, prompt, and mutually binding procedures for resolving labor disputes arising during the project labor agreement;
- (e) provide other mechanisms for labor-management cooperation on matters of mutual interest and concern, including productivity, quality of work, safety, and health; and
- (f) fully conform to all statutes, regulations, and Executive Orders.

- $\underline{\operatorname{Sec}}$. $\underline{5}$. This order does not require an executive agency to use a project labor agreement on any construction project, nor does it preclude the use of a project labor agreement in circumstances not covered by this order, including leasehold arrangements and projects receiving Federal financial assistance. This order also does not require contractors or subcontractors to enter into a project labor agreement with any particular labor organization.
- $\underline{\operatorname{Sec}}$. $\underline{6}$. Within 120 days of the date of this order, the Federal Acquisition Regulatory Council (FAR Council), to the extent permitted by law, shall take whatever action is required to amend the Federal Acquisition Regulation to implement the provisions of this order.
- $\underline{\operatorname{Sec}}$. $\underline{7}$. The Director of OMB, in consultation with the Secretary of Labor and with other officials as appropriate, shall provide the President within 180 days of this order, recommendations about whether broader use of project labor agreements, with respect to both construction projects undertaken under Federal contracts and construction projects receiving Federal financial assistance, would help to promote the economical, efficient, and timely completion of such projects.
- Sec. 8. Revocation of Prior Orders, Rules, and Regulations. Executive Order 13202 of February 17, 2001, and Executive Order 13208 of April 6, 2001, are revoked. The heads of executive agencies shall, to the extent permitted by law, revoke expeditiously any orders, rules, or regulations implementing Executive Orders 13202 and 13208.
- <u>Sec. 9.</u> <u>Severability</u>. If any provision of this order, or the application of such provision to any person or circumstance, is held to be invalid, the remainder of this order and the application of the provisions of such to any person or circumstance shall not be affected thereby.
- $\underline{\text{Sec}}.\ \underline{10}.\ \underline{\text{General}}.\ (\text{a})$ Nothing in this order shall be construed to impair or otherwise affect:
 - (i) authority granted by law to an executive department, agency, or the head thereof; or
 - (ii) functions of the Director of the Office of Management and Budget relating to budgetary, administrative, or legislative proposals.
- (b) This order shall be implemented consistent with applicable law and subject to the availability of appropriations.
- (c) This order is not intended to, and does not, create any right or benefit, substantive or procedural, enforceable at law or in equity by any party against the United States, its departments, agencies, or entities, its officers, employees, or agents, or any other person.

 $\underline{\text{Sec.}}$ $\underline{11}$. $\underline{\text{Effective Date}}$. This order shall be effective immediately and shall apply to all solicitations for contracts issued on or after the effective date of the action taken by the FAR Council under section 6 of this order.

BARACK OBAMA

THE WHITE HOUSE, February 6, 2009.

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Appendix C

Ch. 48

3. Every State department, agency, division, board, bureau, commission and other entity over which I have executive power shall provide appropriate assistance and cooperate as necessary to enable the Council to fulfill its purposes.

/s/George E. Pataki

Executive Order No. 49

PROJECT LABOR AGREEMENTS

WHEREAS, it is in the best interests of the People of the State of New York to promote the timely completion of public construction projects undertaken by State agencies while at the same time limiting the costs of such projects to the greatest extent possible consistent with the law and principles of fairness and equity;

WHEREAS, the New York State Court of Appeals issued a decision in the Matter of New York State Chapter, Inc., Associated General Contractors of America, et. al. v. New York State Thruway Authority, 88 N.Y.2d 56, 666 N.E.2d 185, 643 N.Y.S.2d 480 (1996), which found that project labor agreements are "neither absolutely prohibited nor absolutely permitted in public construction contracts"; and

WHEREAS, it is now clear that project labor agreements are one of many tools which may be used by management and labor and which may, under certain circumstances, assist in achieving the goals described above;

NOW, THEREFORE, I, GEORGE E. PATAKI, Governor of the State of New York, by virtue of the authority vested in me by the Constitution and Laws of the State of New York, do hereby order as follows:

Each State agency shall establish procedures to consider, in its proprietary capacity, the utilization of one or more project labor agreements with respect to individual public construction projects. The utilization of a project labor agreement shall be considered only where the standards established by the Court of Appeals can reasonably be expected to be met.

In reaching a determination on the use of a project labor agreement with respect to a specific project the agency shall consider whether the utilization of such an agreement is justified because it meets the interests underlying the State's competitive bidding laws of:

- (1) obtaining the best work possible at the lowest possible price; and
- (2) preventing favoritism, improvidence, fraud and corruption in the awarding of public contracts.

In considering whether to proceed with a project labor agreement, agencies should be mindful that, in the past, the courts of the State of New York have struck down any such agreement wherein a contracting entity was unable to show a proper business purpose for entering into such agreement.

No project labor agreement shall be approved by an agency unless the decision to enter into the project labor agreement has, both as its purpose and likely effect, the advancement of the interests of the State's competitive bidding statutes.

In the event that an agency enters into a project labor agreement and lets one or more contracts for work to be performed pursuant to such agreement, it shall then be forwarded to the Commissioner of Labor. Upon receipt of the project labor agreement, the Commissioner of Labor shall determine the interaction, if any, between Article 8 of the Labor law and the agreement.

Appendix D

DISTRICT COURT CLARK COUNTY, NEVADA

ASSOCIATED BUILDERS AND CONTRACTORS, INC., Southern Nevada Chapter, A Nevada Not-For-Profit Corporation,)	CASE NO. DEPT. NO. DOCKET NO	
Plaintiff,)		
- vs)		
ROBERT MILLER, Governor of the State of Nevada; SOUTHERN NEVADA WATER AUTHORITY, a Nevada Political Subdivision,)	i.	
Defendants.		Ĭ,	

STATEMENT OF JOHN T. DUNLOP

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Statement of John T. Dunlop

I have held the following federal government positions involving responsibilities for resolving construction industry labor-management disputes and for wage and price stabilization programs:

- 1) 1943-47. Public member, appointed as the War Labor
 Board's representative, to the Wage Adjustment Board in the World
 War II period to resolve union-contractor disputes and stabilize
 wages and compensation in both the collective bargaining and nonunion sectors of the industry.
- 2) 1948-49. Consultant, President's Commission on Labor Relations in the Atomic Energy Installations, appointed by William H. Davis, Chairman.
- 3) 1949-53. Member, Atomic Energy Labor Relations Panel, to resolve labor-management disputes at all atomic energy facilities, including construction disputes.
- 4) 1950-53. Public Member, Wage Stabilization Board appointed by President Truman. The Board dealt with wage stabilization and dispute settlement during the Korean War. It was part of my responsibility to organize and supervise the subsidiary agency, Construction Industry Stabilization Commission, with jurisdiction over compensation in both the collective bargaining and nonunion sectors of the industry.
- 5) 1954-57. Member, Secretary of Labor's Advisory Committee on Labor Management Relations in Atomic Energy Installations, 1954-57. Appointed by Secretary of Labor James Mitchell.

6) 1961-67. Public Member, Missile Sites Labor Commission and chairman of its construction sub-committee, appointed by President Kennedy to handle all labor-management disputes on missile and space sites as provided in Executive Order 10946.

During these years there was established a Nevada Test Site and Space Site Construction Labor Board to deal with the difficult labor-management issues, including travel pay and subsistence pay, at the test site, particularly in the transition from a construction phase to more of a production-type operation. I was in Las Vegas on a number of occasions on these issues in cooperation with the Atomic Energy Labor Management Relations Panel.

- 7) 1969-71. Public Member, Construction Industry Collective
 Bargaining Commission established by President Nixon by Executive
 Order 11482 to consider longer term construction industry
 questions including productivity and equal employment
 opportunities, etc.
- 8) 1971-74. Chairman, Construction Industry Stabilization Commission, appointed by President Nixon, to stabilize wages and compensation in the construction industry, in both the collective bargaining and non-union sectors of the industry, and to resolve union-management disputes. Executive Order 11588.
- 9) 1973-74. Director, Cost-of-Living Council, appointed by President Nixon, to administer all wage and price controls, including a continuation of construction industry responsibilities.

- 10) 1975-76. Secretary of Labor, appointed by President Ford.
- 11) 1979-80. Chairman, Pay Advisory Committee, appointed by President Carter, to constrain by voluntary means wage and compensation increases in all sectors, including construction, with recommendations in particular situations.
- 12) 1993-95. Chair, Commission on the Future of Worker-Management Relations appointed by Secretary Reich and Secretary Brown at the request of President Clinton to make recommendations in the field. Representatives of the construction industry, unions and contractor associations not involved in collective bargaining, made presentations. The Reports of the Commission treat some construction labor-management issues.

In addition, I have held the following private sector positions as a neutral arbitrator or facilitator by joint appointment of unions and contractor associations in the construction industry on a national basis.

- 1) 1948-57. Impartial Chairman, National Joint Board for the Settlement of Jurisdictional Disputes in the Construction Industry, to resolve disputes over work assignments. Chairman, Appeals Board, Jurisdictional Disputes, 1965-68. I mediated the creation of this board in 1947-48 with the industry and the first General Counsel of the NLRB.
- 2) 1959-67. Impartial Chairman, Construction Industry Joint Conference, designed to bring together regularly all the major national labor organizations and national associations of general and specialty contractors to seek to resolve common problems.

- 3) 1977-90. Umpire, Nuclear Power Construction Stabilization Agreement, between building trades and national contractors and utilities engaged in the construction of nuclear power plants to develop and administer a national stabilization agreement for nuclear electric generating projects.
- 4) 1982-92. Umpire, Arbitrator, Bricklayers and Mason Contractors Association, National Agreement, to resolve disputes over the terms of local collective bargaining agreements.
- 5) 1993, 1995. First and Second National Conferences on Ergonomics, Safety, and Health in Construction (Building Trade Unions, Contractor Associations and government representatives from U.S., Europe and Japan), Introduction and Final Recommendations.

In addition, I have served as arbitrator under local collective bargaining agreements in construction, including project agreements, on work jurisdiction and other issues:

- a) Alaska Pipeline Project Agreement
- b) Commonwealth Edison, Chicago, Building Trades

 Powerhouse Maintenance-Modification Agreement By

 Contract
- c) Toyota Plant Construction Project Agreement,
 Georgetown, Kentucky
- d) Boston Harbor Project Labor Agreement
- e) Logan International Airport Terminal Area Construction
 Labor Agreement

In addition, I was awarded, by organizations in the

construction industry, the Louis K. Comstock Award from the National Electrical Contractors Association, 1974; the George K. Newman Award from the Residential Construction Employers Council, 1975; and the National Housing Hall of Fame from the National Association of Home Builders, 1986.

Further, I have written extensively as a scholar on economic, labor market, dispute resolution, and industrial relations questions. Some of the major items treating construction include:

- The Wage Adjustment Board, Harvard University Press, 1950 (with Arthur D. Hill)
- Industrial Relations Systems, 1958, 1993, Harvard
 Business School Press. (Chapter 6 is a comparison of
 building and construction in 9 countries.)
- "Manpower in Construction: A Profile of the Industry and Projections to 1975", The Report of the President's Committee on Urban Housing, Technical Studies, Vol. II, 1968, pp. 239-68 (with D.Q. Mills).
- <u>Dispute Resolution. Negotiations and Consensus</u>

 <u>Building</u>, Auburn House Publishing Company, 1984, p.

 viii, Chs. 10, 11.

A one-page vita is attached.

I have been asked to discuss the use of Project Labor
Agreements for public construction projects and, in particular,
comment on the Project Labor Agreement developed and being
applied to the Southern Nevada Water System Improvements Project

near Las Vegas, Nevada. This declaration will describe the use of such Agreements and the elements of a project that make their application most beneficial. As part of this request, I have been provided with a copy of the Declaration of Professor Herbert R. Northrup dated September 3, 1996, and other materials in Case No. A359730. I have also been asked, as a part of my discussion, to comment on these documents, including Professor Northrup's Declaration.

My declaration draws upon my experience in a variety of construction industry contexts over more than 50 years, as an economist and as an administrator of government stabilization and dispute resolution programs, and as a neutral arbitrator under construction agreements, including Project Agreements. I am not a lawyer and therefore do not attempt to address the legality of Project Agreements under any applicable laws. I do, however, offer the following comments from a public policy perspective, together with my training in labor economics and general labor-management experience.

Project Agreements

Project agreements were developed by federal government agencies, contractors, and national unions to meet their common problems in the post-World War II era on large projects, that took some years to complete, with a large number of contractors prime and sub-contractors - and workers in a shifting variety of crafts and specialties, and that were constructed under urgent time deadlines, often in isolated areas, with some vulnerability to shut-down or disruption. The emergence of project agreements was also associated with the changing role of general contractors who historically performed with their own direct employees the work of carpentry, operating engineers, cement masons, teamsters and laborers, and who also supervised specialty and subcontractors, but more recently often have been replaced or transformed on large projects by construction-manager firms, that perform no construction work operations but manage and coordinate the project as a whole, supervising prime contractors, specialty contractors, and their tiers of sub-contractors, and they represent the owner's interests and constitute a unified presence for the public or private owner.

Early examples of these agreements were developed at the atomic energy facilities at Hanford, Washington for the Atomic Energy Commission and the space site for NASA at Cape Canaveral in Florida. Private owners adopted the project agreement approach to comparably complex private projects as in the Alaska Pipeline Agreement in the early 1970s and the Nuclear Power

Construction Stabilization Agreement for various nuclear power generating plants in the late 1970s and 1980s. I was personally involved as a neutral in the administration and in some cases, as well, in the development of the above cited project agreements.

- (a) One of the reasons for the project agreement, with its no-strike and no-lockout clause for the duration of the project, was to prevent otherwise perfectly legal work stoppages when the local craft collective bargaining agreements expired at various dates by their term during the duration of a project. On a project of three or four years' duration or longer, a large number of local area craft agreements could be expected to expire with possible stoppages of work on the project and in the local community. Such work stoppages, at various points in the work plan for a project interrupting the planned sequence of work, can be expensive and seriously delay completion. (A series of such legal work stoppages led to the application of the Nuclear Power Construction Stabilization Agreement to the on-going Portsmouth, N.H. nuclear project.)
- (b) On large projects under strict time deadlines, with or without financial penalties, shortages of particular skills in the local area may arise, as with tunnel workers, boilermakers, specialized craft welders, etc., and resort to recruitment in a larger area or nation-wide is facilitated by the project agreement with national union and project-manager support.

 Moreover, a project manager is able to estimate and coordinate better the manpower requirements of separate contractors.

- (c) The imprint of the national unions' signatures and the support of their national staff representatives stand for a further guarantor of compliance on a complex project with tight deadlines and on which unexpected events are not uncommon.

 Resort to the national levels for redress has proven to be typically far more rapid in the resolution of a wide range of disputes than resort to administrative agencies or the courts.

 Under the Boston Harbor Project Labor Agreement there have been 20 million man hours of construction work without any time lost through a work stoppage.²
- (d) There are a number of conditions that need to be standardized among crafts and local collective agreements and nonunion contractors if efficient operations are to be achieved. Among these conditions are the standard work day, starting and ending hours, lunch periods, any break periods and how taken, shift schedules and rates, holidays and rates, standardized grievance and dispute settling procedures for the project, and standard safety instruction including drug and alcohol policy, safety committees and procedures across diverse and changing contractors. Other terms may relate to reporting places and travel arrangements on a large project. These provisions in local collective bargaining agreements often show considerable variations on some items; if applied separately to a major project they would create considerable inefficiencies. Project agreements may specify the location, or process to decide the location of stockpiles, tool sheds, etc. that provide a more

efficient project as a whole than would arise under isolated contractors and agreements. Some project agreements have provided for a common introduction to all new employees of any contractor specifying project rules and explaining the significance of the project to the region or the nation. Some project agreements, as in Article III of the SNWA Project Labor Agreement, provide for regular periodic meetings of all parties to review developments and anticipate problems. There may also need to be a procedure to reconcile differences between the project agreement and the local area craft agreements. The standardization of terms and conditions of employment among crafts is an essential condition to efficient operations that is provided by the project agreement.

- (e) In some localities on some large projects there may be questions as to whether building construction, or heavy and highway or pipeline, or tunnel terms and conditions of employment apply to particular work operations; a project agreement resolves such issues, or provides procedures to resolve them.
- (f) Dr. Northrup (at pp. 23-24) states that the Boston Harbor project has "not exhibited steller safety performance" and cites a series of press and magazine reports of particular incidents. Although he recognizes that "construction is a hazardous industry," he makes no presentation of statistical data for the Boston Harbor project on any matter. Accordingly, it may be appropriate to present an overall record of the project to date from the initiation of the project agreement in May 1989.

The attached letter dated October 4, 1996, from Carl R.

Tower, Manager, Industrial Relations for the Project Management
firm ICF Kaiser, presents a factual and statistical report on the
Boston Harbor project agreement, including data on the lost-time
accident incident rate for the period August 1990 through August
1996. The Lost Time Accident Incident Rate is one-third below
the BLS national data for heavy construction, 4.1 compared to
6.2, the number of lost-time injuries per 100 full-time workers.
The cumulative average days lost incident rate for the project
from August 1990 through August 1996 is 134.7 compared to 150.4
for heavy construction nationally. (For a discussion of Dr.
Northrup's comments on safety on union and nonunion construction
projects, pp. 21-22, see the Section on Safety below.)

It may be appropriate to present Carl Tower's summary of the performance of the Boston Harbor project:

- The Boston Harbor Project is approximately 86.7% complete.
- The Boston Harbor Project is on schedule for completion by year 2000, meeting the U.S. Federal Court mandated milestone.
 - The Boston Harbor Project construction workforce peaked in 1993 with approximately 2,200 craft persons the current craft workforce is approximately 1,200.
- The effective date of the BHP Project Labor Agreement was May 22, 1989 during this nearly 7 1/2 years there have been approximately 20 million craft hours worked without lost time due to strike or lock-out.

- Boston Harbor Project's original projected cost was \$6.1 billion. The present estimate to completion is \$3.4 billion. (Four packages of contracts aggregating \$178.1 million were deleted from the original project design.)
- Boston Harbor Project's cumulative "Lost Time Accident Incident Rate" for the period August 1990 through August 1996 is 4.1 while the BLS composite incident rate for heavy construction is calculated to be 6.2. The Project's cumulative "Days Lost Incident Rate is 134.7 for the period while BLS composite incident rate is calculated to be 150.4.

(Refer to attached BHP 10-Sep-96 Safety Report and graphs).

The BHP-Project Labor Agreement has met or exceeded all of its desired results." The project is on schedule and below budget.

This outstanding record speaks for itself.

(g) It follows from the preceding discussion of Project
Agreements that not all construction projects or operations are
necessarily appropriate for a project agreement. The size,
duration, scope, craft and contractor composition of the project,
and the problems likely to be confronted may not warrant a
separate project agreement.

The Issue of Free Competition

It is elemental that every legal market is embedded in a system of public and private laws and regulations. There are no completely free and open legal markets. Consider that model bourse, the New York Stock Exchange, with its myriad of detailed private and public rules, laws and regulations. Or, review the

Las Vegas construction market for public works. Already bidders may be required to be registered contractors, to meet certain standards to be qualified bidders, to pay workers in accordance with state determined standards of wages and some other compensation elements, federal weekly overtime rules, and out-of-state bidders are required to be below local bidders by a specified amount to be awarded the contract. Many state and local construction markets for government have small business and minority set-asides. All this and more is scarcely "free and open bidding" (Northrup, p. 34). The appropriate issue is clearly not "free and open bidding" or "free competition" but rather the reasonableness and appropriateness of the rules of the market for the purposes of the particular public agency project.

The SNWA and its general manager have repeatedly made clear that "While all successful bidders must agree to work under the terms of the Project Labor Agreement, all are equally eligible to bid despite the absence of any prior collective bargaining relationship with the signatory union." That declaration is unequivocal. The February 26, 1996 Project Labor Agreement in the fifth paragraph makes the same affirmation:

"The Unions agree that this Agreement will be made available to, and will fully apply to, any successful bidder for Project work who becomes a signatory hereto, without regard to whether that successful bidder performs work at other sites on either a union or a non-union basis, and without regard to whether employees of such bidder are or not members of any union..."

(a) It needs to be emphasized that a contractor "without any prior collective bargaining relationship" who bids and secures a

contract on the project and is party to the Project agreement is not required to be signatory to an agreement on any other work site being performed or on any other future project.

(b) Under other project agreements, contractors without prior collective bargaining relationships have in fact bid for work and have in fact been awarded contracts and have in fact performed the work under the terms of the project agreement. Boston Harbor Project Agreement provides experience on this matter. In response to my request, Carl R. Tower, Manager, Industrial Relations, ICF Kaiser, reported as to the prime and sub-contractors successfully bidding construction contracts under the Boston Harbor Project Labor Agreement: His letters of October 9 and October 15, 1996 report that of the 83 prime contracts let to date, 55 individual prime contractors were successful. Of these 55 contractors, 39 are contractors with previous collective bargaining agreements and 16 are reported as "open shop". These "open-shop" contractors were awarded a total of 19 prime contracts totalling approximately \$65 million. (There were 94 individual unsuccessful prime contract bidders of whom 71 operated under collective bargaining agreements and 23 were reported as "open shop".)

The successful prime contractors on a project may in turn sub-contract some portions of their work, subject to the approval of the Authority, to other contractors. Carl R. Tower reports that under the Boston Harbor Project Agreement there have been a total of 257 subcontractors and 155 of them may be characterized

as operating under collective bargaining agreements previously and 102 reported as "open shop".

Most of these contracts have been completed and others are still in process, all without labor-relations difficulty in a community often characterized as a union city. It is simply untrue that a project agreement precludes or keeps contractors without prior collective bargaining relationships from bidding for work or performing work effectively under a project agreement. The incident in Boston of violence against an "openshop" contractor cited by Dr. Northrup, p. 20 note 25, did not take place under a project agreement.

- (c) What is true of the Boston Harbor Project Agreement already appears to be true of the Southern Nevada Water Authority Project Labor Agreement. In response to my question, I am informed that as of October 1, 1996, of the seven contracts awarded, three have gone to contractors without prior collective bargaining relationships and four have been awarded to contractors with prior collective bargaining relationships.

 Further, 36 contractors have bid on these seven contracts, 16 of which had no prior collective bargaining relationship and 20 had a prior collective bargaining relationship. The assertion that a project agreement precludes competition from contractors without prior collective bargaining relationships on the standardized conditions of the project agreement cannot be sustained in Las Vegas.
 - (d) The Project Labor agreement dated February 26, 1996 in

Article II, Section 2 specifically excludes from the scope of the agreement the following: "(a) Work of non-manual employees, including but not limited to, superintendents, supervisors, staff engineers, inspectors, quality control and quality assurance personnel, timekeepers, mail carriers, clerks, office workers, including messengers, guards, safety personnel, emergency medical and first aid technicians and other professional, engineering, administrative, supervisory and management employees."

(Also see pars. (b) through (j).)

The contractor without prior collective bargaining relationships thus is enabled to maintain intact its full managerial and supervisory staff appropriate to the specific contract performance, and in addition on this project there is the provision for the hiring in each craft of seven additional regular or key employees (staggered with seven from hiring halls). This arrangement resembles that made by contractors traveling to perform a contract on a project away from the ordinary area of operations intra-or-inter state in that only supervision and key or core workers are transported with expenses of travel and subsistence.

(e) A review of the February 26, 1996 Project Labor

Agreement, the projected course of construction over the next

three years, including the "spread-out construction effort which

is driven by completion targets that are essential to the

delivery of water to areas in the metropolitan Las Vegas region",

and features of the Las Vegas Labor Market (see next Section)

have led me to be supportive of the analysis in the March 4, 1996 Report of Parsons Constructors, Inc. (Exh. 8-1). The items listed and others in the Project Agreement that will benefit the project and the public are real factors in labor costs - the standardization of overtime rates at 1 1/2 times the straight time rate of pay; the protection from costly or adverse conditions in local agreements as applied to the project; the greatest possible use of a local workforce with the systematic recruitment outside the area if necessary; the provisions for supervisory and core employees of nonunion contractors; the elimination of seniority as applied to employees working on the project; the provisions for enforcement of the no-strike provisions, prevailing wage rate determinations that apply despite higher wages or benefits in local area agreements; and other standardization of diverse provisions of local area agreements. (pp. 5-6).

The simple fact is that it is not possible rigorously to compare aggregate costs on a project with this form of a project agreement with costs on the same designed project with an unspecified mixture of contractors and policies. The experience under other project labor agreements, such as the Boston Harbor project, can be instructive. But the "spread-out construction effort," with stringent time deadlines, the interfaces of disparate contractors and their sub-contractors, and the consequences of uncoordinated labor, safety, hiring policies and possible disruptions in a specific setting create uncertainties

for an owner that only experienced managers responsible for the timely completion of a project have the responsibility to appraise. In my experience the decision and the approved project agreement, of the Southern Nevada Water Authority is reasonable and in the public interest under all the circumstances and should be respected.

Las Vegas Labor Market

The Las Vegas metropolitan area had a population of 1.076 million in 1994. Between 1969 and 1994, Las Vegas population grew by 262 percent while the U.S. added 29 percent more people. The Commerce Department projects that Las Vegas will lead the nation in population growth over the period 1993-2005, 40.5 percent compared to 11.8 percent.

Between 1992 and 1995 Las Vegas' employment grew by 27.6 percent, the highest performance of any metropolitan area. The area's economy depends on its hotel and casino business and its associated recreational industries, which have historically accounted for over a third of the employment base. The rapid growth of the hotel industry has created a rapid expansion in construction both for hotels and casinos and for housing for the in-migrants.

The distribution of employment for June 1996 among sectors of the Las Vegas economy is presented in the following tabulation:

Construction	58.1	thousand
	2.1	
Mining Manufacturing	21.5	
Transportation and Public Utilities	29.6	
Wholesale and Retail Trade	120.3	
Finance, Insurance, Real Estate	28.5	
Services	272.8	
Government	57.3	
Coveriment		
Employees on non-farm payrolls	590.2	thousand

Construction constituted 9.8 percent of all employees in Las Vegas on non-farm payrolls in June 1996, almost twice the relative importance of construction in total employment of the country as a whole which was 5.7 percent.

Since 1983 the Las Vegas construction workforce has grown from 11,800 to 58,100 in June 1996. Over three-quarters of the construction work is performed for private owners; state and local government accounts for twenty percent, while federal government work is only 2 percent of the market.

Large-scale hotel building rebounded in 1995 to \$1.4 billion, the largest hotel volume in the country. (F.W. Dodge and Commerce Department data.) The market is as strong in 1996. The population and employment growth has also created a residential construction boom.

Virtually all the major hotel and casino construction work, particularly along the strip in Las Vegas, is reported to be built under collective bargaining agreements. The National Joint Heavy and Highway Construction Committee reports in a national survey by states for the years 1990-94 that 78 percent of heavy and highway construction work in Nevada was bid under

collective bargaining agreements with 22 percent nonunion. Data for 1995 appear to be in the same magnitude. Unions are virtually absent, however, from residential construction.

In the Las Vegas rapidly expanding construction market there is little basis for concern that the SNWA Project Agreement would deprive contractors not signatory to collective bargaining agreements of significant market opportunities even if they elect not to bid on contracts which they are clearly entitled to do. Moreover, the significant degree of wage and benefit standards determined by collective bargaining in the heavy and highway and hotel construction branches of the construction industry suggest that the Project Agreement may help to stabilize labor costs in a period of rapid employment growth. If the Project Agreement were the only work under collective bargained standards there might be concern over adverse effects on the level of costs in the area.

Safety

Dr. Northrup cited (pp. 22-23) a report by Charles Culver, and presents bar charts (Figure 4) for the years 1985-93, to support the conclusion for the construction industry that "fatality rates for nonunion contractors' employees were significantly lower than those of unionized contractors for each of the nine year studied." The study was never issued or endorsed by OSHA for which Charles Culver worked for a period and wrote the paper as an ex-employee.

The publication is seriously flawed in its statistical methods. The number of fatalities in construction in a year is

the number reported investigated by OSHA, not the number of fatalities. This figure of reported investigations of fatalities for union and nonunion workplaces provides a numerator for a fatality rate that is then divided by a denominator consisting of estimates of the nonunion and union workforce, in 100,000 units. The denominator estimates of union and nonunion workforces are also seriously flawed.

(a) Fatal Accidents

On October 1, 1993 the Bureau of Labor Statistics released its Census of Fatal Occupational Injuries. As the Monthly Labor Review, October 1994 reports (p. 23), "Although BLS had been measuring workplace safety since 1912, the 1992 national census was a 'quantum leap' in accuracy." This BLS report stated that in 1992 and 1993 there were a total of 6,217 and 6,271 fatal occupational injuries in aggregate and 919 and 924 respectively in construction. A measure of the reliability of the Culver report is that it uses only 582 and 502 fatalities in 1992 and 1993 in construction. (For 1994 BLS reports 1,028 fatalities and in 1995 1,048 fatalities in construction, USDL 96-315, August 8, 1996). 10 These BLS data do not indicate whether or not the workplace was covered by a collective bargaining agreement. distribution of fatalities between union and nonunion workplaces is open to question when the data used by Culver only reports 63 percent in 1992 and 54 percent of all construction fatalities in 1993. In no sense were the OSHA inspection reports a random sample. (See point (c) below.)

(b) Estimates of union and nonunion workforces

Even if reliable data were available for fatalities by union and nonunion workplaces in construction, the methods used by Culver to calculate fatality rates are seriously flawed as to the average annual number of workers employed in union and nonunion workplaces. The CPS (Current Population Survey) reports data for "union affiliation of employed wage and salary workers" by industry and also reports the numbers represented by unions, typically a larger number. Unions are required to represent all workers in a workplace governed by a collective agreement whether or not they are union members, and the same compensation and work rules, including safety rules, are required to apply to all employees covered by an agreement whether or not members of the union. Culver uses the number for "union members" rather than those "represented by unions". Further, union contractors employ many employees who are outside bargaining units, such as clerical workers and draftsmen. Culver's methods count these persons for the nonunion denominator, diluting the fatality rates for the nonunion sector and increasing the rates for the union sector.

(c) OSHA inspections

OSHA inspections have been demonstrated to respond at a higher rate to requests and complaints in workplaces governed by collective agreements compared to inspection rates at workplaces with no requests for inspections. It is understandable that workers with representation, and their stewards and officers, are more likely to seek inspections than workers without

representation. Professor David Weil has extensively studied "Unions dramatically increase the chance of OSHA inspections. being inspected in the construction industry. For the smallest construction sites, unions increase inspection probabilities slightly, with a 17 percent probability for union establishments versus 13 percent for nonunion sites. The difference grows with establishment size, increasing finally to a 40 percent chance of inspection for large union construction establishments versus only 12 percent probability for nonunion sites of the same size."11 Professor Weil reports that this union-nonunion OSHA inspection differential for 1985 persists in an analysis of inspection activity from 1987 through 1993. This contradicts Culver's source, (p. 6), a 1985-1992 study that "did not indicate any disproportionate concentration of inspections on particular types of contractors, i.e. nonunion or union."

The Culver report simply does not pass professional statistical standards or peer review.

Concluding Observations

The decision by a private owner or a government agency to utilize a project agreement with a construction management firm to procure construction of a large spread-out project with tight time deadlines, requiring a variety of contractors and a large workforce over a prolonged period depends on a number of considerations - inhouse management, engineering, and contracting experience, local availability of labor including critical skills, the scope and duration of the project, the critical-path

schedule for completion, the location of the project, the vulnerability of the project to interruptions by virtue of isolation or difficulty of access, etc. This is a managerial decision that needs to be carefully undertaken, and if so, respected.

At p. 16, Dr. Northrup states: "Thus, the decision to direct the imposition of a project agreement by a governmental body is always a political one, not an economic one...". This is a perversion of the decision-making process in governments, non-profit organizations and private business. There are ordinarily a variety of considerations and choices that enter into decisions by all organizations. Governments, these days particularly, are concerned with the economical use of scarce resources, quality, time of completion, fairness and compliance with statutes that define public purposes.

On construction projects with the size, duration, complexity, vulnerability, and time constraints that utilize project management firms and project agreements a congruent labor policy has proven, in my experience, to make a contribution to efficient performance and cost effectiveness. I recall the difficulties in the 1960s of conflicted contracting policies on the Space Center work at Cape Canaveral with electrical contractors and their employees of two persuasions trying to perform work in the same manhole and other points of interface. These difficulties led to the early development of a project agreement.

There are many reasons for a managerial decision to choose a project agreement on a large project lasting years - standardization of hours, shifts, reporting points, holidays, labor supply, etc. cited earlier. A project agreement may not be appropriate for all construction projects. But the purpose is not to keep contractors without collective bargaining relationships from bidding and performing work as Dr. Northrup sees it.

The fact is that contractors without collective bargaining relationships do bid and perform work under project agreements. They enhance competitive performance on standardized conditions. The Boston Harbor Project Labor Agreement demonstrates this fact and the Southern Nevada Water Authority Project Labor Agreement already provides further support for this view. The argument that project agreements are adopted to keep contractors without prior collective agreements off of such projects fails.

The notion that "Boston Harbor type-contracts provide little or no concessions to the taxpayers" or (p. 15) "undoubtedly enhances costs to taxpayers" (p. 34) cannot be accepted. The record of the Boston Harbor Project Agreement, set forth above by Carl Tower is persuasive of public benefits and effective operations - a project of 20 million work hours without a work stoppage, on schedule and budget, and a cumulative lost time incident rate of accidents one-third below the heavy construction rate for the country.

The decision to use the project agreement to perform

construction of the type designed by the SNWA in the period 1996-99 appears to be a reasonable business decision that sets reasonable standards and assures appropriate competition among qualified bidders without regard to their prior collective bargaining relationships.

NOTES

- 1. In 1966, Dr. Herbert R. Northrup wrote against the use of executive authority in the resolution of disputes between labor unions and the contractors managing for the government the operations, referring to the activities of the government appointed labor-management bodies as "extralegal". Compulsory Arbitration and Government Interventions in Labor Disputes, An Analysis of Experience, Labor Policy Association, Washington, D.C., 1966, pp. 130-135 and note 31, p. 139. "We may thus conclude that, in balance, the promotion of industrial peace was limited, union power enhanced, and collective bargaining discouraged." (p. 137).
- 2. Dr. Northrup states, at p. 16, "The success of the Boston area construction trade unions in winning union-only project agreements, for the Boston Harbor and for other major work..." Actually, the initiative for the Boston Harbor Agreement did not come from the local building trades unions; the Boston Building Trades Council originally opposed the project agreement. The initiative came from the state government authority (MWRA) and the managing contractor.
- 3. Southern Nevada Water Authority, Board of Directors Agenda Item, March 21, 1996, GMIR No. 10, (Agenda Item 12, Exhibit F).
- 4. Southern Nevada Water Authority, SNWS Improvements, Project Labor Agreement, February 26, 1996, Exh. A., p. 2.
- 5. U.S. Department of Commerce, Bureau of Economic Analysis, Local Area Personal Income, 1969-92, Washington, D.C., September 1994; U.S. Department of Commerce, Bureau of Economic Analysis, Survey of Current Business, June, 1996.
- 6. U.S. Department of Labor, Bureau of Labor Statistics, Employment and Earnings, August, 1996.
- 7. U.S. Department of Labor, Bureau of Labor Statistics, State and Area Establishment Survey, Employment and Earnings.
- 8. See, Affidavit of John E. Jeffrey, Secretary-Treasurer of the Southern Nevada Building and Construction Trades Council, p. 3. The affidavit also reports that the Nevada Test Site work "has been all-union for the last 40 years and is performed under the terms of a PLA (project labor agreement)..."
- 9. Herbert R. Northrup, Declaration, p. 23. See, Charles Culver, Comparison of Nonunion and Union Contractors'
 Construction Fatalities, published by the National Center for Construction Education and Research, May 1995.

- 10. Also, see, U.S. Department of Labor, Bureau of Labor Statistics, Fatal Workplace Injuries in 1993: A Collection of Data and Analysis, Report 891, June 1995; Fatal Workplace Injuries in 1994: A Collection of Data and Analysis, Report 908, July 1996.
- 11. David Weil, "Building Safety: The Role of Construction Unions in the Enforcement of OSHA", <u>Journal of Labor Research</u>, 1992, vol. 13, no. 1, p. 127 and Table 2.

HARVARD UNIVERSITY

JOHN T. DUNLOP

Lamont University Professor, Emeritus

208 LITTAUER CENTER
CAMBRIDGE, MASSACHUSETTS 02138

October 28, 1996

I declare under penalty of perjury under the laws of the State of Nevada that the foregoing 28 pages are true and correct based on my own knowledge and to the best of my knowledge and belief.

John T. Dunlop

John T. Dunlop

Lamont University Professor, Emeritus Harvard University

John T. Dunlop is the Lamont University Professor, Emeritus at Harvard University. He was Chairman of the Department of Economics, 1961-66; Dean of the Faculty of Arts and Sciences, 1969-73; Acting Director, Business and Government Center, School of Government, 1987-91; President, International Industrial Relations Association, 1973-76; President, Industrial Relations Research Association, 1960-61; Editor, Wertheim Publications in Industrial Relations, 1945-.

Secretary of Labor in the Ford Administration, 1975-76, Mr. Dunlop has also been Director, Cost of Living Council, 1973-74; Chairman, Construction Industry Stabilization Committee, 1971-74; Chairman, Pay Advisory Committee, 1979-80; Member, Comptroller General Consultant Panel, 1980-; Member, National Productivity Advisory Committee, 1981-84; Member, Advisory Council on Social Security, 1989-1991; Chair, Commission on the Future of Worker/Management Relations, 1993-95; arbitrator and impartial chairman of various labor-management committees; member of numerous government boards on industrial relations disputes and economic stabilization programs.

He has chaired or led a number of continuing committees including Coordinator, Labor-Management Group, 1973-; Chairman, Joint Labor-Management Committee for Municipal Police and Fire, Massachusetts, 1977-; Coordinator, Group of Six (Health Care), 1981-.

Professor Dunlop served as Chairman, National Advisory Committee, Community Programs for Affordable Health Care (The Robert Wood Johnson Foundation); he continues as Member, Foster G. McGaw Prize Committee, The Hospital Research and Educational Trust; Member, Institute of Medicine.

Director, General Telephone and Electronics Corporation, 1976-83; Director, Bird, Inc., 1984-96; Trustee, Consolidated Rail Corporation, 1976-81; Honorary Director, Textile/Clothing Technology Corporation; Member, American Academy of Arts and Sciences; Member, American Philosophical Society; Honorary Member, American Hospital Association, 1984; Honorary Life Member, National Academy of Arbitrators, 1991; National Association of Home Builders, National Housing Hall of Fame, 1986. He received the Louis K. Comstock Award, National Electrical Contractors Association, 1974; the George K. Newman Award, the Residential Construction Employers Council, October 1975; Cushing Award, Excellence in Labor Management Relations, 11978; U.S. General Accounting Office, Award for Public Service, 1979; the Labor-Management Award, Work in America Institute, 1984; and the Murray-Green-Meany Award, AFL-CIO, 1987. In 1994 he became a Distinguished Fellow of the National Academy of Human Resources. He has been awarded honorary degrees by 13 colleges or universities.

Professor Dunlop is the author of: Wage Determination Under Trade Unions, 1944, 1950; Collective Bargaining: Principles and Cases, 1949, 53; Industrial Relations Systems, 1958, 1993; Industrialism and Industrial Man, 1960 (joint author); Labor and the American Community, 1970 (with Derek C. Bok); The Lessons of Wage and Price Controls—The Food Sector, ed., 1978; Labor in the Twentieth Century, ed., 1978; Business and Public Policy, ed., 1980; Dispute Resolution, Negotiation and Consensus Building, 1984; The Management of Labor Unions, 1990.



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CMKE-19553

October 17, 1996

Harvard University 208 Littauer Center Cambridge, MA 02138 FAX (617) 495-7730

Subject:

Task 205.01 Labor Relations

Contractor Compliance, BHP-Project Labor Agreement

Dear Mr. Dunlop:

Contained is supplemental information to my October 3, 1996 letter on the above subject. The original projected cost for the Boston Harbor Project was \$6.1 billion. The revised estimate to completion is \$3.4 billion. This reduction is partially due to down-sizing the project an estimated \$178.1 million by eliminating the construction of four facilities directly related to secondary treatment.

The four deleted contract packages have been:

CP-261	Secondary Battery & Clarifler "D"	\$88.1 million
CP-330	Residuals Treatment Facility Phase 2 Secondary Treatment "C&D"	\$74.2 million
CP-242 CP-131	Disinfection Facility Primary Screening Facilities	\$13.2 million \$ 2.6 million
	Total	\$ 178.1 million

Please advise if I can be of any additional assistance.

Very truly yours,

Carl R. Tower

Manager, Industrial Relations

CRT/pdc

K. WIIIL, CM CC:

Carl Uehlein, Morgan, Lewis & Bokius FAX (202) 467-7176 Brad Coupe, Morgan, Lewis & Bokius FAX (212) 309-6273

Document Control



ICF Kaiser Engineers Massachusetts, Inc. 190 Tafts Avenue Winthrop, MA 02152 617/539-7700 Fax 617/539-7701

CMKE-19502

October 15, 1996

John T. Dunlop, Ph.D.
Harvard University
208 Littauer Center
Cambridge, MA 02138 FAX (617) 495-7730

Subject:

Task 205.01 Labor Relations

Breakdown of "Union" and "Open-Shop" Contractors involved

in the Boston Harbor Project - Supplement

Dear Mr. Dunlop:

This is to supplement my October 9, 1996 letter on the above subject. This deals with subcontractors employed on the Boston Harbor Project under its Project Labor Agreement.

Our tabulations indicate that of 257 individual subcontractors reviewed:

155 are considered "Union" contractors, 102 are reportedly "Open Shop."

Please advise if I can be of further assistance.

Very truly yours,

Carl R. Tower

Manager, Industrial Relations

CRT/pdc

CC:

K. WILL, CM

Carl Uehlein, Morgan, Lewis & Boklus FAX (202) 467-7176 Brad Coupe, Morgan, Lewis & Boklus FAX (212) 309-6273

Document Control



ICF Kaiser Engineers Massachusetts, Inc. 190 Tafts Avenue Winthrop, MA 02152 617/539-7700 Fax 617/539-7701

CMKE-19485

October 9, 1996

John T. Dunlop, Ph.D. Harvard University 208 Littauer Center Cambridge, MA 02138 FAX (617) 495-7730

Subject:

Task 205.01 Labor Relations

Breakdown of "Union" and "Open-Shop" Contractors involved

in the Boston Harbor Project

Dear Mr. Dunlon:

Per your request, we have accumulated information pertaining to contractors that have been awarded Boston Harbor Project construction prime contracts and those that were the unsuccessful bidders. All bidding was subject to the terms and conditions of the BHP-Project Labor Agreement. All contract awards binds the contractor to the Agreement

Our tabulations of 83 prime contracts to-date indicate:

- of 55 individual Prime Contractors: 39 are considered "Union" contractors, 16 are reportedly "Open-Shop."
- of 94 individual unsuccessful Prime Contract Bidders: 71 are considered "Union" contractors, 23 are reportedly "Open-Shop."

Open-shop contractors have always been free to bid BHP contracts. Open-shop contractors have won 19 Prime Contract awards totalling approximately \$65 million.

Please advise if I can be of further assistance.

Very truly yours,

Carl R. Tower

Manager, Industrial Relations

CRT/pdc

cc: K. Wills, CM

Brad Coupe, Morgan, Lewis & Boklus FAX (212) 309-6273



ICF Kaiser Engineers Massachusens, Inc. 190 Tafts Avenue Winthrop, MA 02152 617/539-7700 Fax 617/539-7701

CMKE-19411

October 4, 1996

John T. Duniop, Ph.D. Harvard University 208 Littauer Center Cambridge, MA 02138 FAX (617) 495-7730

Subject:

Task 205.01 Labor Relations

Contractor Compliance - BHP - Project Labor Agreement

Dear Mr. Dunlop:

This is in follow-up to your October 1, 1996 telephone request for updated information on results experienced under the Boston Harbor Project Labor Agreement (PLA). In my capacity as Manager of Industrial Relations, I administer the PLA on behalf of Construction Manager (CM) and monitor contractor compliance.

- The Boston Harbor Project is approximately 86.7% complete.
- The Boston Harbor Project is on schedule for completion by year 2000, meeting the U.S. Federal Court mandated milestone.
- The Boston Harbor Project construction workforce peaked in 1993 with approximately 2,200 craft persons - the current craft workforce is approximately 1,200.
- The effective date of the BHP- Project Labor Agreement was May 22, 1989 during this nearly 71/2 years there have been approximately 20 million craft hours worked without lost time due to strike or lock-out.
- Boston Harbor Project's original projected cost was \$6.1 billion. The present estimate to completion is \$3.4 billion.
- Boston Harbor Project's cumulative "Lost Time Accident Incident Rate" for the period August 1990 through August 1996 is 4.1 while the BLS composite incident rate for heavy construction is calculated to be 6.2. The Project's cumulative "Days Lost Incident Rate is 134.7 for the period while BLS composite incident rate is calculated to be 150.4 (Refer toattached BHP 10-Sep-96 Safety Report and graphs).

The BHP-Project Labor Agreement has met or exceeded all of its desired results. Please advise if I can provide any further information.

Very truly yours.

Carl R. Tower

Manager, Industrial Relations

CRT/pdc

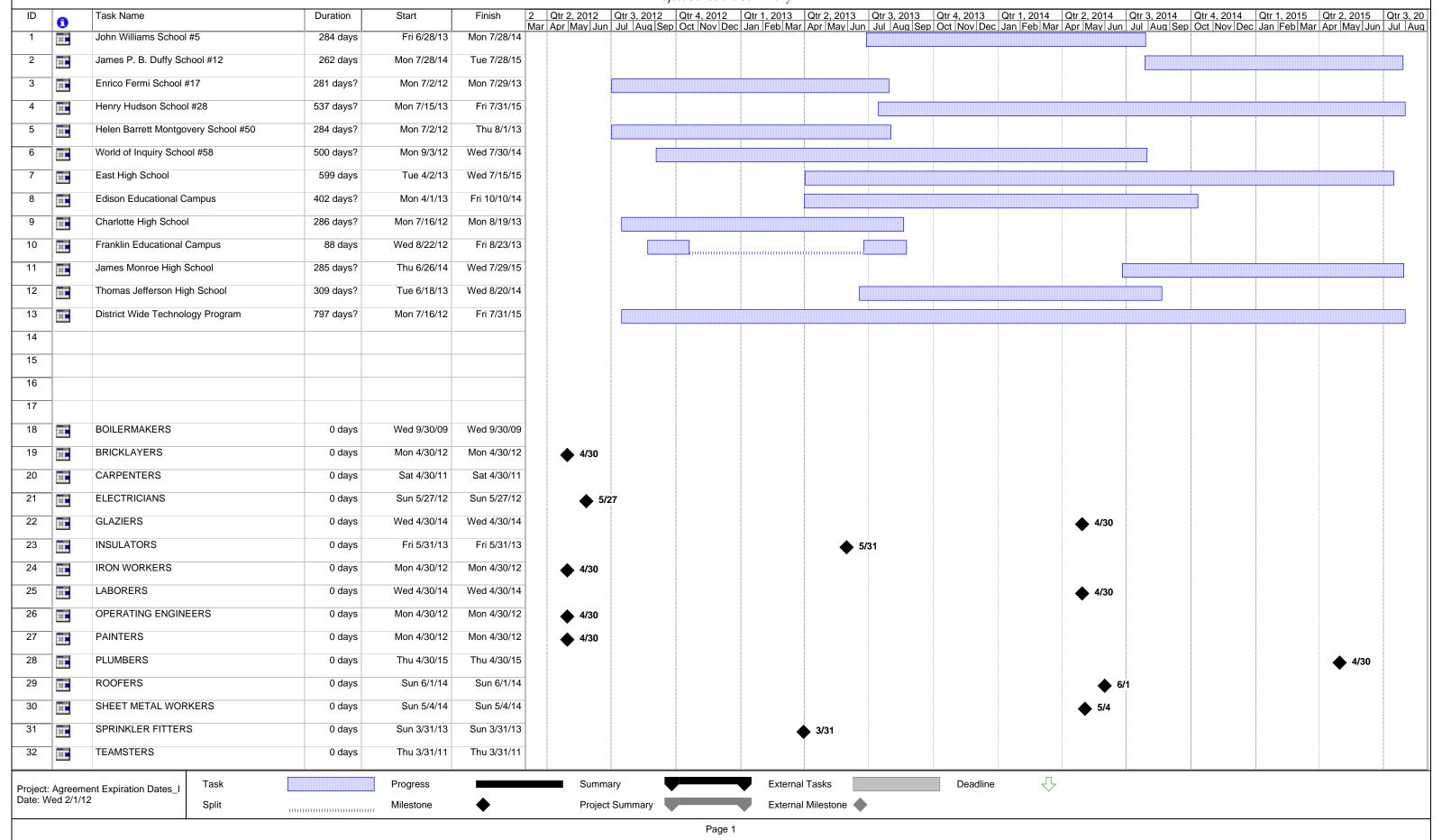
K. WIIIL. CM CC:

Brad Coupe, Morgan, Lewis & Bokius FAX (212) 309-6273

Appendix E

Rochester Join Schools Construction Board Rochester Schools Modernization Program PLA Benefit Analysis

Project Schedule Summary

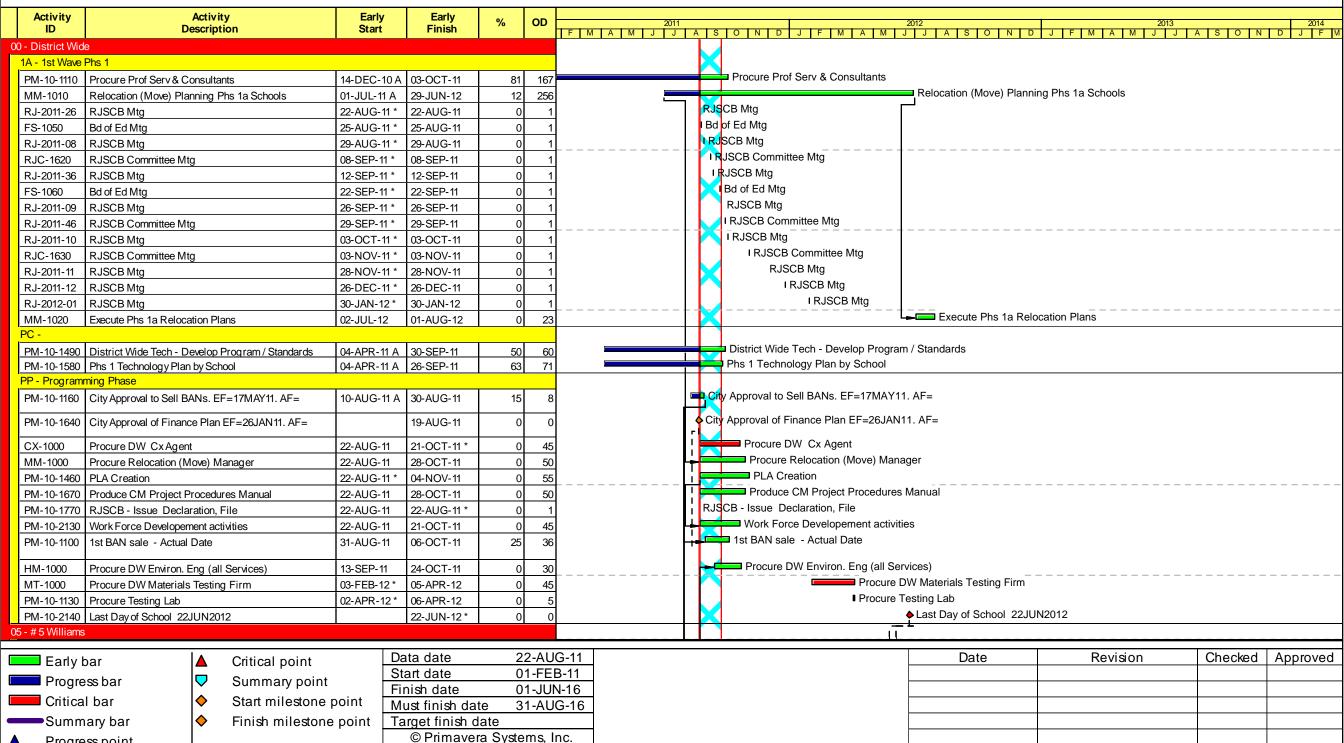


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SureTrak Project Manager **RCSD - Master Plan Schedule**

Gilbane Building Companies Report Date: 23-AUG-11 Page 1A of 13B



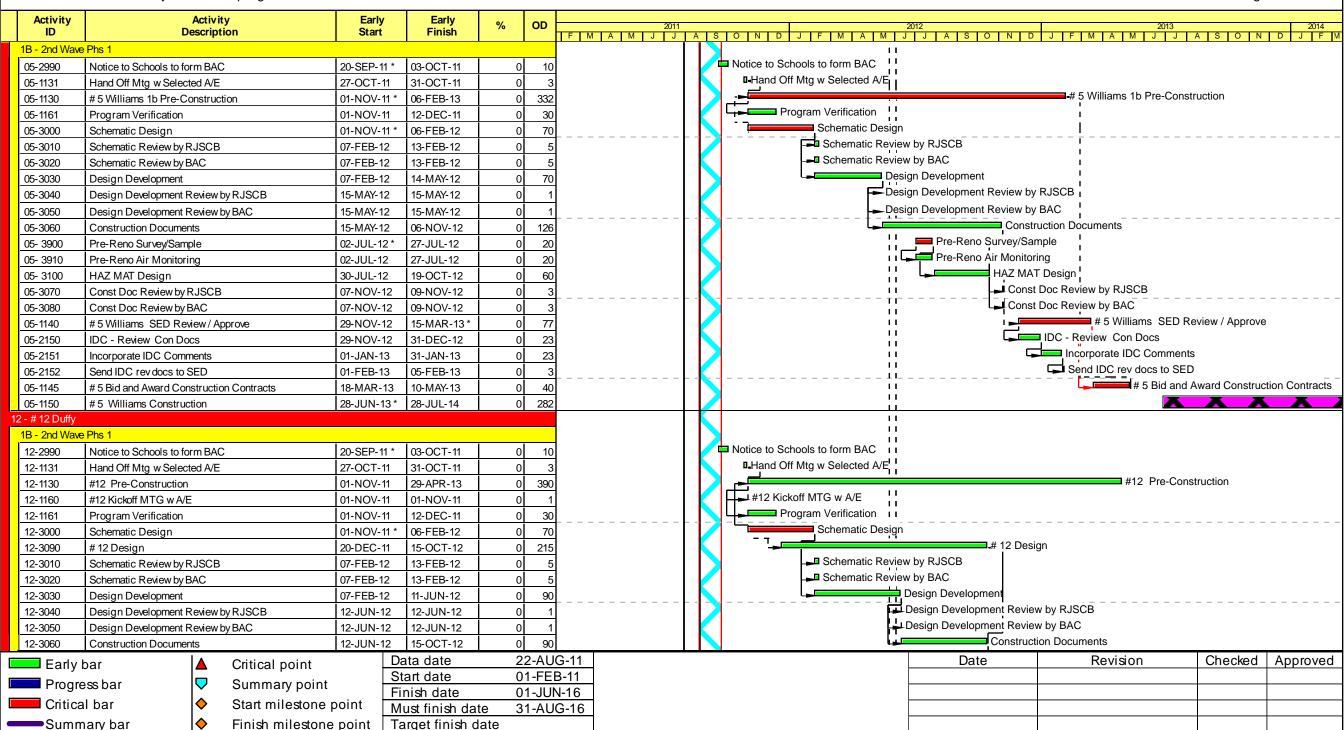
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SureTrak Project Manager **RCSD - Master Plan Schedule**

Gilbane Building Companies Report Date: 23-AUG-11

Page 2A of 13B



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SureTrak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 3A of 13B

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Activity ID	Activity Description	Early Start	Early Finish	%	OD	2011 2012 M A M J J A S O N D J F M A M J J A S	2013 2014 O N D J F M A M J J A S O N D J F M
12- 3900	Pre-Reno Survey/Sample	02-JUL-12 *	27-JUL-12	n	20		ONDJFMAMJJJASONDJFM no Survey/Samp
12- 3910	Pre-Reno Air Monitoring	02-JUL-12	27-JUL-12	0	20	Pre-Ro	no Air Monitoring
12- 3100	HAZ MAT Design	30-JUL-12	19-OCT-12	0	60		HAZ MAT Design
12-1590	#12 BAC Selection / Approval	20-AUG-12 *	31-AUG-12	0	10		2 BAC Selection / Approval
12-1170	#12 1st BAC Mtg	03-SEP-12*	03-SEP-12	0	1	!! ₁ = - #	2 1st BAC Mtg
12-3070	Const Doc Review by RJSCB	16-OCT-12	18-OCT-12	0	3		Const Doc Review by RJSCB
12-3080	Const Doc Review by BAC	16-OCT-12	18-OCT-12	0	3	!!	Const Doc Review by BAC
12-1140	#12- Duffy SED Review / Approve	29-NOV-12 *	15-MAR-13	0	77		#12- Duffy SED Review / Approve
12-2150	IDC - Review Con Docs	29-NOV-12	31-DEC-12	0	23		IDC - Review Con Docs
12-2151	Incorporate IDC Comments	01-JAN-13	31-JAN-13	0	23	ii ii	Incorporate IDC Comments
12-2152	Send IDC revidocs to SED	01-FEB-13	05-FEB-13	0	3		Send IDC rev docs to SED
12-1145	# 12 Bid and Award Construction Contracts	18-MAR-13	10-MAY-13	0	40	ii	# 12 Bid and Award Construction Contracts
12-1150	#12 Duffy Construction	27-JUN-14 *	28-JUL-15	0	283		
17 - # 17 Fermi						ii	
1A - 1st Wave	Phs 1						
17-1130	# 17 Pre-Construction	02-MAR-11 A	29-OCT-12	2	317		# 17 Pre-Construction
17-2900	Program Verification	08-MAR-11 A	16-SEP-11	55	44	Program Verification	
17-3000	Schematic Design - Proceed Notice rec'd	26-MAY-11 A	16-NOV-11	2	44	Schematic Design - Proceed Notice rec'd	
17-1440	Perform Environ Site Assess. Phs1	22-AUG-11	16-SEP-11	0	20	Perform Environ Site Assess. Phs1	
17-1450	Perform Phase II Environ Assess?	19-SEP-11	28-OCT-11	0	30	Perform Phase II Environ Assess?	
17-1650	#17 Design	19-SEP-11	27-JUL-12	0	225	#17 D	sign
17-3010	Pre-Renovation Survey	17-NOV-11	14-DEC-11	0	20	Pre-Renovation Survey	
17-3020	Schematic Review byBAC	17-NOV-11	23-NOV-11	0	5	Schematic Review byBAC	
17-3030	Design Development	17-NOV-11	16-FEB-12	0	66	Design Development	
17-3090	SED - Review Schematic Design	17-NOV-11	14-DEC-11	0	20	SED - Review Schematic Design	
17-3110	Pre-Reno Air Monitoring	17-NOV-11	14-DEC-11	0	20	Pre-Reno Air Monitoring	
17-1140	#17 Fermi SED Review / Approve	15-DEC-11 *	15-MAR-12	0	66	#17 Fermi SED Review /	pprove
17-1172	HAZ Design	15-DEC-11	07-MAR-12	0	60	HAZ Design	
17-2140	IDC Review & Comment	15-DEC-11	16-JAN-12	0	23	IDC Review & Comment	
17-3140	Incorporate IDC Comments	17-JAN-12	16-FEB-12	0	23	Incorporate IDC Comments	
17-3040	Design Development Review by RJSCB	17-FEB-12	23-FEB-12	0	5	Design Development Review	
17-3050	Design Development Review by BAC	17-FEB-12	23-FEB-12	0	5	Design Development Review	by BAC
17-3060	Construction Documents	17-FEB-12	01-MAY-12	0	53	Construction Docu	ents
17-3100	SED DD Review	17-FEB-12	15-MAR-12	0	20	SED DD Review	
17-4140	IDC Revised Docs to SED	17-FEB-12	21-FEB-12	0	3	□ IDC Revised Docs to SED	
17-1145	# 17 Bid and Award Construction Contracts	02-APR-12*	01-JUN-12	0	45	r► ☐ # 17 Bid and A	vard Construction Contracts
17-3070	Const Doc Review by RJSCB	02-MAY-12	04-MAY-12	0	3	I Const Doc Review	· I
17-3080	Const Doc Review by BAC	02-MAY-12	04-MAY-12	0	3	Const Doc Review	by BAC
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Sure Trak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 4A of 13B

Activity Activity **Early** Early OD 2011 | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | 2012 2013 M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | Description Finish Start **I →** MOVE OUT of BUILDING MOVE OUT of BUILDING 25-JUN-12 * 29-JUN-12 17-1182 29-JUL-13 #17 Fermi Construction 17-1150 02-JUL-12 * 281 #17 Fermi Construction Abatement / Remediation 17-1162 Abatement / Remediation 02-JUL-12 10-AUG-12 Air Monitoring for Abatement 10-AUG-12 02-JUL-12 30 17-1192 Air Monitoring for Abatement Closeout 31-DEC-13 * 120 17-1152 Closeout 17-JUL-13 -■ Move In 17-1202 Move In 30-JUL-13 12-AUG-13 10 28 - # 28 Hudson 1.1 1A - 1st Wave Phs 1 1.1 #28 Hudson Pre-Construction 08-MAR-11 A 27-MAR-13 28-1130 #28 Hudson Pre-Construction 426 11 239 #28 Design 28-1170 #28 Design 08-MAR-11 A 17-JUL-12 HAZ MAT Survey II HAZ MAT Survey II 18-APR-11 A 29-AUG-11 90 60 28-3130 Schematic Design. EF= 26AUG11 85 28-3000 Schematic Design. EF= 26AUG11 29-JUN-11 A 02-SEP-11 65 Design Coord Mtg 28-1172 22-AUG-11 * 22-AUG-11 Design Coord Mtg BAC Mtg 28-1500 BAC Mtg 22-AUG-11 * 22-AUG-11 Design Coord. Mtg - Cancelled 28-1182 Design Coord. Mtg - Cancelled 25-AUG-11 * 25-AUG-11 BAC Mtg 28-1510 **BAC Mtg** 26-AUG-11 * 26-AUG-11 City - Acquire Carlson St Parking City - Acquire Carlson St Parking 31-AUG-11 22-NOV-11 60 28-1580 Design Coord Mtg 28-1192 Design Coord Mtg 01-SEP-11 * 01-SEP-11 Schematic Review by RJSCB 09-SEP-11 28-3010 Schematic Review by RJSCB 05-SEP-11 Chematic Review by BAC 28-3020 Schematic Review by BAC 05-SEP-11 09-SEP-11 Design Development EF=08NOV11 15-NOV-11 52 28-3030 Design Development EF=08NOV11 05-SEP-11 SED Schematic Design review 05-SEP-11 12-SEP-11 SED Schematic Design review 28-3100 Schematic Design Review by SED 28-3120 Schematic Design Review by SED 05-SEP-11 07-SEP-11 Design Coord Mtg 08-SEP-11 28-1202 Design Coord Mtg 08-SEP-11 * Design Coord Mtg 28-1212 Design Coord Mtg 15-SEP-11 * 15-SEP-11 BAc Mtg BAc Mtg 16-SEP-11 * 16-SEP-11 28-1520 Design Coord Mtg 28-1222 Design Coord Mtg 22-SEP-11 * 22-SEP-11 Design Coord. Mtg Design Coord. Mtg 29-SEP-11 * 29-SEP-11 28-1232 **BAC Mtg** 28-1530 **BAC Mtg** 30-SEP-11 * 30-SEP-11 - Design Development Review by RJSCB Design Development Review by RJSCB 28-3040 16-NOV-11 29-NOV-11 10 ■ Design Development Review by BAC 28-3050 Design Development Review by BAC 16-NOV-11 29-NOV-11 10 Construction Documents. EF=12MAR12 Construction Documents. EF=12MAR12 16-NOV-11 19-MAR-12 89 28-3060 SED DD Review 28-3110 SED DD Review 16-NOV-11 13-DEC-11 20 DD Cost Estimate 16-NOV-11 16-DEC-11 23 28-3180 **DD Cost Estimate** Perform ESA. Phs 1 - Carlson St. 28-1440 Perform ESA. Phs 1 - Carlson St. 23-NOV-11 20-DEC-11 20 Traffic Study 23-NOV-11 03-JAN-12 30 28-1590 Traffic Study Perform Environ Site Assess Phs2? 30 Perform Environ Site Assess Phs2? 21-DEC-11 31-JAN-12 28-1450 ■ #28 Hudson SED Review / Approve 18-JUL-12 87 #28 Hudson SED Review / Approve 20-MAR-12 28-1140 Data date 22-AUG-11 Date Revision Checked Approved Early bar Critical point 01-FEB-11 Start date Progress bar Summary point Finish date 01-JUN-16

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31-AUG-16

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SureTrak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 5A of 13B

	Activity ID	Activity Description	Early Start	Early Finish	%	OD T	2011 2012 2013 2014 F M A M J J A S O N D J F M A M J J A S O N D J F M
	28-2150	IDC - Review Con Docs	20-MAR-12	19-APR-12	0	23	IDC - Review Con Doc
Ш	28-3070	Const Doc Review by RJSCB	20-MAR-12	22-MAR-12	0	3	Const Doc Review by RJSCB
П	28-3080	Const Doc Review by BAC	20-MAR-12	22-MAR-12	0	3	——I Const Doc Review by BAC
П	28-3190	Const Doc Estimate	20-MAR-12	18-APR-12	0	22	Const Doc Estimate
П	28-2151	Incorporate IDC Comments	20-APR-12	22-MAY-12	0	23	Incorporate IDC Comments
Ш	28-2152	Send IDC revidoes to SED	23-MAY-12	25-MAY-12	0	3	Send IDC rev docs to SED
Ш	28-1145	#28 Bid and Award Construction Contracts	19-JUL-12	18-SEP-12	0	44	#28 Bid and Award Construction Contracts
Ш	28-1146	Bid & Award; Abatement & Demo	19-JUL-12	05-SEP-12	0	35	Bid & Award; Abatement & Demo
П		Procurement	19-SEP-12	08-MAY-13	0	166	Procurement
Ι.	B - 2nd Wave	Phs 1					ii i¦
П	28-1200	Move Out of Building into SS	24-JUN-13 *	12-JUL-13	0	15	U Move Out of Building into SS
Ш	28-1150	#28 Hudson Construction	15-JUL-13 *	31-JUL-15	0	535	ii
Ш	28-3142	#28 Perform Abatement & Demo	15-JUL-13 *	30-OCT-13	0	78	#28 Perform Abate
Ш	28-3150	Air Monitoring for Abatement	15-JUL-13	13-NOV-13	0	88	Air Monitoring for
Ш	28-1205	Punch List	15-APR-15	31-JUL-15	0	78	
Ш	28-1242	Commissioning	29-JUN-15	31-JUL-15	0	25	ii
Ш	28-1152	Move - Into Building	03-AUG-15	01-SEP-15	0	22	
Ш	28-1185	Closeout	03-AUG-15	15-DEC-15	0	97	ii ii
	28-1195	11 Month Warranty Inspection / Correction	01-JUN-16 *	01-JUN-16	0	1	
50	- # 50 Montgo	mery					!!
	A - 1st Wave F	Phs 1					
	50-1550	#50 Design	26-MAY-11 A	15-MAY-12	3	185	#50 Design
	50-3000	Schematic Design - Proceed Notice Rec'd	26-MAY-11 A	19-OCT-11	2	44	Schematic Design - Proceed Notice Rec'd
	50-1130	#50 Montgomery Pre-Construction	22-AUG-11 *	03-AUG-12	0	250	#50 Montgomery Pre-Construction
Ш	50-1440	Perform Environ Site Assess. Phs1	22-AUG-11	16-SEP-11	0	20	Perform Environ Site Assess. Phs1
Ш	50-1540	#50 Kick Off Mtg w A/E	22-AUG-11	22-AUG-11	0	1	→ #50 Kick Off Mtg w A/E
Ш	50-1580	#50 1st BAC Mtg	22-AUG-11	22-AUG-11	0	1	#50 1st BAC Mtg
	50-3900	Pre-Reno Survey/Sample	22-AUG-11 *	16-SEP-11	0	20	Pre-Reno Survey/Sample
	50-3910	Pre-Reno Air Monitoring	22-AUG-11	16-SEP-11	0	20	Pre-Reno Air Monitoring
	50-1450	Perform Environ Site Assess Phs2?	19-SEP-11	28-OCT-11	0	30	Perform Environ Site Assess Phs2 ?
	50- 3910	Pre-Reno Air Monitoring	20-OCT-11	16-NOV-11	0	20	Pre-Reno Air Monitoring i
	50-3010	Schematic Review by RJSCB	20-OCT-11	26-OCT-11	0	5	Schematic Review by RJSCB!
	50-3020	Schematic Review by BAC	20-OCT-11	26-OCT-11	0	5	Schematic Review by BAC
	50-3030	Design Development	20-OCT-11	19-JAN-12	0	66	Design Development
	50-3090	Pre-Renovation Survey	20-OCT-11	16-NOV-11	0	20	Pre-Renovation Survey
	50-3110	SED Schematic Design Review	20-OCT-11	16-NOV-11	0	20	SED Schematic Design Review
	50-3100	HAZ MAT Design	17-NOV-11	08-FEB-12	0	60	HAZ MAT Design
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	Progre	ss bar		art date		1-FEB	
	Critical	l l		nish date	0	1-JUN-	N-16

Summary bar

Progress point

Filter: Activities underway or with no progress

Sure Trak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 6A of 13B

Activity Activity **Early** Early OD 2011
F M A M J J A S O N D Description Start Finish #50 Montgomery SED Review/ Appro #50 Montgomery SED Review/ Approve 15-DEC-11 15-MAR-12 66 50-1140 IDC Review of Const Docs 50-2150 IDC Review of Const Docs 15-DEC-11 16-JAN-12 23 Incorporate IDC Comments 17-JAN-12 16-FEB-12 23 50-2151 Incorporate IDC Comments Design Development Review by RJSCB 50-3040 Design Development Review by RJSCB 20-JAN-12 20-JAN-12 → Design Development Review by BAC 20-JAN-12 20-JAN-12 50-3050 Design Development Review by BAC Construction Documents 70 50-3060 20-JAN-12 26-APR-12 Construction Documents SED DD Review 20 50-3120 SED DD Review 20-JAN-12 16-FEB-12 Submit Revised Con Docs to SED 50-2152 17-FEB-12 21-FEB-12 Submit Revised Con Docs to SED # 50 Bid and Award Construction Contracts 50-1145 #50 Bid and Award Construction Contracts 02-APR-12 25-MAY-12 40 → Const Doc Review by RJSCB 50-3070 Const Doc Review by RJSCB 27-APR-12 01-MAY-12 Const Doc Review by BAC 50-3080 Const Doc Review by BAC 27-APR-12 01-MAY-12 ■ →■ MOVE OUT of BUILDING MOVE OUT of BUILDING 25-JUN-12 * 29-JUN-12 50-1172 50-1150 #50 Montgomery Construction 02-JUL-12 01-AUG-13 284 # 50 Montgomery Construction Abatement / Remediation 30 50-1162 Abatement / Remediation 02-JUL-12 10-AUG-12 Air Monitoring for Abatement 50-1182 Air Monitoring for Abatement 02-JUL-12 21-SEP-12 60 108 Closeout 02-AUG-13 31-DEC-13 ol 50-1152 Closeout → Move In 50-1192 Move In 02-AUG-13 02-AUG-13 58 - #58 World of Inquiry 1A - 1st Wave Phs 1 #58 Pre-Construction 58-1130 #58 Pre-Construction 08-MAR-11 A 29-OCT-12 25 414 ■ #58 Design 10 252 58-1570 08-MAR-11 A 03-JUL-12 #58 Design 75 \$chematic Design. EF= 12SEP11 Schematic Design. EF= 12SEP11 29-JUN-11 A 12-SEP-11 65 58-3000 Perform Environ Site Assess. Phs 1 @ 58 20 58-1440 Perform Environ Site Assess. Phs 1 @ 58 20-JUL-11 A 16-SEP-11 Perform Geotech 48 33 58-1500 Perform Geotech 20-JUL-11 A 13-SEP-11 Offsite Parking Study - Cabaret Lot- on hold 58-1510 Offsite Parking Study - Cabaret Lot- on hold 20-JUL-11 A 16-SEP-11 20 HAZ MAT Survey 48 58-3120 HAZ MAT Survey 20-JUL-11 A 13-SEP-11 33 Perform Survey 22-AUG-11 20 58-1530 Perform Survey 16-SEP-11 II Pre-Renovation Survey 58-3090 Pre-Renovation Survey 22-AUG-11 * 10th BAC Meeting 58-1156 10th BAC Meeting 30-AUG-11 * Appraisal of 236 Univ. On Hold -City to do? 58-1480 Appraisal of 236 Univ. On Hold - City to do? 31-AUG-11 15-NOV-11 55 Phs 1 ESA @ 236 University (KFC) 20 31-AUG-11 27-SEP-11 58-1540 Phs 1 ESA @ 236 University (KFC) Acquire 236 University Ave (KFC) 58-3180 Acquire 236 University Ave (KFC) 31-AUG-11 06-FEB-12 120 1th BAC Mtg 13SEp11 13-SEP-11 * 13-SEP-11 ol 58-1166 11th BAC Mtg 13SEp11 Schematic Review by RJSCB 58-3010 Schematic Review by RJSCB 13-SEP-11 19-SEP-11 Schematic Review by BAC 13-SEP-11 19-SEP-11 58-3020 Schematic Review by BAC Written Proceed Ltr for Design Dev 58-3200 Written Proceed Ltr for Design Dev 13-SEP-11 13-SEP-11 Schematic Estimate by CM Schematic Estimate by CM 13-SEP-11 26-SEP-11 10 58-3230 Schematic Estimate by JCJ 58-3240 Schematic Estimate by JCJ 13-SEP-11 26-SEP-11 Data date 22-AUG-11 Date Revision Checked Approved Early bar Critical point 01-FEB-11 Start date Progress bar Summary point Finish date 01-JUN-16 Critical bar Start milestone point 31-AUG-16 Must finish date

Target finish date

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Finish milestone point

Report: Update turnaround

Progress bar

Critical bar

Summary bar

Progress point

SureTrak Project Manager

Gilbane Building Companies Report Date: 23-AUG-11

Layout: Classic Gantt **RCSD - Master Plan Schedule** Filter: Activities underway or with no progress Page 7A of 13B Activity Activity **Early** Early OD 2012 2013 | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | Description Start Finish Schematic Estimate by GB Schematic Estimate by GBC 13-SEP-11 26-SEP-11 10 58-3250 Design Development 14-SEP-11 14-DEC-11 58-3030 Design Development 66 SED Schematic Design Review SED Schematic Design Review 16-SEP-11 * 16-SEP-11 58-3100 Perform Environ Site Assess Phs 2? 19-SEP-11 28-OCT-11 30 58-1450 Perform Environ Site Assess Phs 2? 12th BAC Mtg 27-SEP-11 * 27-SEP-11 58-1176 12th BAC Mtg SD Estimate Reconciliation 58-3260 SD Estimate Reconciliation 27-SEP-11 29-SEP-11 → Design Development Review by RJSCB 15-DEC-11 58-3040 Design Development Review by RJSCB 15-DEC-11 ■ Design Development Review by BAC 15-DEC-11 58-3050 Design Development Review by BAC 15-DEC-11 SED DD Review 58-3110 SED DD Review 15-DEC-11 11-JAN-12 20 Written Proceed Ltr for Const Docs Written Proceed Ltr for Const Docs 15-DEC-11 15-DEC-11 58-3210 Const Docs; Abatement & Demo 58-2152 Const Docs; Abatement & Demo 16-DEC-11 29-FEB-12 54 Construction Documents 77 16-DEC-11 02-APR-12 58-3060 Construction Documents SED Rev / App Abatement & Demo 77 58-1142 SED Rev/App Abatement & Demo 16-JAN-12 * 01-MAY-12 #58 WOI SED Review / Approve 58-1140 03-APR-12 18-JUL-12 77 #58 WOI SED Review / Approve IDC Review of Const Docs 58-2150 **IDC Review of Const Docs** 03-APR-12 03-MAY-12 23 ■ Const Doc Review by RJSCB 03-APR-12 05-APR-12 58-3070 Const Doc Review by RJSCB ■ Const Doc Review by BAC 58-3080 Const Doc Review by BAC 03-APR-12 05-APR-12 Bid & Award Abatement & Demo 58-1146 Bid & Award Abatement & Demo 02-MAY-12 15-JUN-12 33 Incorporate IDC Comments 58-2151 04-MAY-12 05-JUN-12 23 Incorporate IDC Comments Submit IDC revised Con Cods to SED 58-3152 Submit IDC revised Con Cods to SED 06-JUN-12 08-JUN-12 . I → I MOVE OUT of BUILDING 58-1172 MOVE OUT of BUILDING 20-JUL-12 * 26-JUL-12 Pre-Reno Air Monitoring 58-3910 27-JUL-12 02-AUG-12 Pre-Reno Air Monitoring #58 Abatement & Demolition 22-NOV-12 80 58-1151 #58 Abatement & Demolition 03-AUG-12 Air Monitoring for Abatement 58-1171 Air Monitoring for Abatement 03-AUG-12 22-NOV-12 80 03-SEP-12 * 30-JUL-14 497 58-1150 #58 WOI Construction # 58 Bid and Award Construction Contracts 25 58-1145 #58 Bid and Award Construction Contracts 24-SEP-12 29-OCT-12 Procurement: Materials & Equipment - 11 29-OCT-12 21-JAN-13 60 58-1160 Procurement: Materials & Equipment 58-1152 Closeout 30-JUL-14 30-JAN-15 132 58-1162 Move into Building 30-JUL-14 29-AUG-14

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31-AUG-16

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Finish date

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	00 1102	Wove into banding			100 00L 17	20 7100 14	V			
	58-1192	11 Month Warranty Insp	ection -	- Correction	01-JUL-15	15-JUL-15	0	10		
60	60 - # 60 Charlotte									
1A - 1st Wave Phs 1										
	60-1130	Charlotte Pre-Constru	ction		08-MAR-11	A 14-SEP-12	18	341		
	60-1160	#60 Design			16-MAY-11 A	A 31-MAY-12	2	208		
ı	60-3000	Schematic Design- Pro	oceed N	lotice Rec'd	26-MAY-11 A	A 19-OCT-11	5	45		
ı	60-3900	Pre-Reno Survey/Samp	ole		22-AUG-11	* 16-SEP-11	0	20		
ı	60- 3910	Pre-Reno Air Monitorii	ng		19-OCT-11	16-NOV-11	0	20		
	60-3010	Schematic Review by R	JSCB		19-OCT-11	26-OCT-11	0	5		
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Date	Revision	Checked	Approved

Charlotte Pre-Construction

Schematic Design- Proceed Notice Rec'd

■Pre-Reno Survey/Sample

Pre-Reno Air Monitoring Schematic Review by RJSCB

Summary bar

Progress point

Filter: Activities underway or with no progress

SureTrak Project Manager **RCSD - Master Plan Schedule** Gilbane Building Companies Report Date: 23-AUG-11 Page 8A of 13B

Activity Activity **Early** Early OD 2011 2012 2013 2014 | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | Description Finish Start Schematic Review by BA Schematic Review by BAC 19-OCT-11 26-OCT-11 60-3020 Design Development 19-OCT-11 21-DEC-11 60-3030 Design Development 44 Pre-Renovation Survey 16-NOV-11 Pre-Renovation Survey 19-OCT-11 60-3090 SED Schematic Design Review 16-NOV-11 60-3110 SED Schematic Design Review 19-OCT-11 HAZ Design T II 10-FEB-12 60-3100 HAZ Design 16-NOV-11 62 → Design Development Review by RJSCB 60-3040 Design Development Review by RJSCB 21-DEC-11 22-DEC-11 → Design Development Review by BAC 60-3050 Design Development Review by BAC 21-DEC-11 22-DEC-11 -Construction Documents 60-3060 Construction Documents 21-DEC-11 20-MAR-12 64 SED DD Review SED DD Review 21-DEC-11 18-JAN-12 20 60-3120 IDC Review of Const Docs @ 80% CDs 60-2150 IDC Review of Const Docs @ 80% CDs 01-MAR-12 22-MAR-12 15 Const Doc Review by RJSCB 20-MAR-12 23-MAR-12 60-3070 Const Doc Review by RJSCB Const Doc Review by BAC Const Doc Review by BAC 20-MAR-12 23-MAR-12 60-3080 ■ Incorporate IDC Comments 10 22-MAR-12 05-APR-12 60-2151 Incorporate IDC Comments SED Review / Approve Charlotte SED Review / Approve Charlotte 05-APR-12 17-MAY-12 30 60-1140 Advertisement to Bid 60-2160 Advertisement to Bid 17-MAY-12 25-MAY-12 Bidding Period- Charlotte 60-1145 28-MAY-12 25-JUN-12 20 Bidding Period- Charlotte '----- MOVE OUT of BUILDING 29-JUN-12 60-0000 MOVE OUT of BUILDING 25-JUN-12 * Ltr of Intent and Award 60-0010 25-JUN-12 23-JUL-12 20 Ltr of Intent and Award Submittals, Approvals, Procurement 09-JUL-12 08-NOV-12 88 60-0020 Submittals, Approvals, Procurement Charlotte Construction 60-1150 Charlotte Construction 16-JUL-12 19-AUG-13 285 Abatement / Remediation 27-AUG-12 60-1162 Abatement / Remediation 16-JUL-12 Air Monitoring for Abatement 27-AUG-12 16-JUL-12 30 60-1192 Air Monitoring for Abatement Cert. of Substantial Completion 60-1172 Cert. of Substantial Completion 02-AUG-13 * Closeou 19-AUG-13 13-JAN-14 105 60-1152 Closeout →□ Punch List 60-1182 Punch List 19-AUG-13 02-SEP-13 10 ◆ Certificate of Occupancy 19-AUG-13 * 60-1202 Certificate of Occupancy Move FF&E In 60-1212 Move FF&E In 20-AUG-13 02-SEP-13 10 Owner / User Move - In 02-SEP-13 10 Owner / User Move - In 20-AUG-13 60-1222 61 - #61 East High 1B - 2nd Wave Phs 1 □ Notice to Schools to form BAC 61-2990 Notice to Schools to form BAC 20-SEP-11 * 03-OCT-11 10 ■ East Pre-Construction 01-NOV-11 * 24-DEC-12 300 61-1130 East Pre-Construction → Hand Off Mtg w Selected A/E 61-1131 Hand Off Mtg w Selected A/E 01-NOV-11 03-NOV-11 Program Verification 01-NOV-11 12-DEC-11 30 61-1161 **Program Verification** Schematic Design ¹ 61-3000 Schematic Design 01-NOV-11 * 30-JAN-12 65 Schematic Review by RJSCB 31-JAN-12 06-FEB-12 61-3010 Schematic Review by RJSCB Schematic Review by BAC 61-3020 31-JAN-12 06-FEB-12 Schematic Review by BAC Design Development 30-APR-12 65 31-JAN-12 61-3030 Design Development Data date 22-AUG-11 Date Revision Checked Approved Early bar Critical point 01-FEB-11 Start date Progress bar Summary point Finish date 01-JUN-16 Critical bar Start milestone point

31-AUG-16

Must finish date

Finish milestone point

Target finish date

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Summary bar

Progress point

Finish milestone point

Target finish date

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Filter: Activities underway or with no progress

SureTrak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 9A of 13B

Filter: Activi	ties underway or with no progress					Page 9A of 1
Activity ID	Activity Description	Early Start	Early Finish	%	OD F	2011 2012 2013 20 F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J
61-3090	SED Schematic Design Review	31-JAN-12	27-FEB-12	C	20	SED Schematic Design Revie
61-3040	Design Development Review by RJSCB	01-MAY-12	01-MAY-12	C	1 1	→ Design Development Review by RJSCB
61-3050	Design Development Review by BAC	01-MAY-12	01-MAY-12	C	1	→ Design Development Review by BAG
61-3060	Construction Documents	01-MAY-12	02-AUG-12	C	68	Construction Documents
61-3100	SED DD Review	01-MAY-12	28-MAY-12	C	20	SED DD Review
61-1140	East SED Review / Approve	03-AUG-12	19-NOV-12	C	77	East SED Review / Approve
61-2150	IDC Review of Const Docs	03-AUG-12	04-SEP-12	C	23	IDC Review of Const Docs
61-3070	Const Doc Review by RJSCB	03-AUG-12	07-AUG-12	C	3	LI —► Const Doc Review by RJSCB
61-3080	Const Doc Review by BAC	03-AUG-12	07-AUG-12	C	3	Const Doc Review by BAC
61-2151	Incorporate IDC Comments	05-SEP-12	05-OCT-12	C	23	Incorporate IDC Comments
61-2152	Submit IDC Revised Con Docs	08-OCT-12	10-OCT-12	C	3	Submit IDC Revised Con Docs
61-1145	Bid and Award Construction Contracts	20-NOV-12	14-JAN-13	C	40	I I Bid and Award Construction Contracts
61-1150	East Construction	02-APR-13*	15-JUL-15	C	597	
63 - # 63 Jeffers	son					ii
1B - 2nd Wave	Phs 1					
63-2990	Notice to Schools to form BAC	26-SEP-11 *	07-OCT-11	C	10	☐ Notice to Schools to form BAC
63-1130	Jefferson Pre-Construction	01-NOV-11 *	17-JAN-13	C	318	Jefferson Pre-Construction
63-1131	Hand Off Mtg w Selected A/E	01-NOV-11	03-NOV-11	C	3	Hand Off Mtg w Selected A/E ii F — F
63-1161	Program Verification	01-NOV-11	12-DEC-11	C	30	Program Verification
63-3000	Schematic Design	01-NOV-11	23-JAN-12	C	60	Schematic Design i
63-3010	Schematic Review by RJSCB	24-JAN-12	30-JAN-12	C	5	Schematic Review by RJSCB
63-3020	Schematic Review by BAC	24-JAN-12	30-JAN-12	C	5	Schematic Review by BAC
63-3030	Design Development	24-JAN-12	20-APR-12	C	64	Design Development
63-3090	SED Schematic Design Review	24-JAN-12	20-FEB-12	C	20	SED Schematic Design Review
63-3040	Design Development Review by RJSCB	23-APR-12	23-APR-12	C	1	→ Design Development Review by RJSCB
63-3050	Design Development Review by BAC	23-APR-12	23-APR-12	C	1	→ Design Development Review by BAC
63-3060	Construction Documents	23-APR-12	02-NOV-12	C	140	Construction Documents
63-3100	SED DD Review	23-APR-12	18-MAY-12	C	20	SED DD Review
63-3070	Const Doc Review by RJSCB	05-NOV-12	07-NOV-12	C	3	Const Doc Review by RJSCB
63-3080	Const Doc Review by BAC	05-NOV-12	07-NOV-12	C	3	I I L⊸II Const Doc Review by BAC I
63-1140	Jefferson SED Review / Approve	29-NOV-12 *	15-MAR-13 *	C	77	Jefferson SED Review / Approve
63-2150	IDC Review of Const Docs	29-NOV-12	31-DEC-12	C	23	IDC Review of Const Docs
63-2151	Incorporate IDC Comments	01-JAN-13	31-JAN-13	C	23	Incorporate IDC Comments
63-2152	Submit IDC Revised Con Docs to SED	01-FEB-13	05-FEB-13	C	3	Submit IDC Revised Con Docs to SED
63-1145	Bid and Award Construction Contracts	18-MAR-13	10-MAY-13	!	40	Bid and Award Construction Contracts
63-1150	Jefferson Construction	18-JUN-13 *	20-AUG-14	C	307	
65 - Marshall H						
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Filter: Activities underway or with no progress

SureTrak Project Manager **RCSD - Master Plan Schedule**

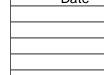
Gilbane Building Companies Report Date: 23-AUG-11 Page 10A of 13B

Activity Activity **Early** Early OD 2011 2012 2013 | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | ID Description Start Finish RCSD- Review / Revise MHS Phase out Place Review / Revise MHS Phase out Place Review / Revise MHS Phase out Place Revise MHS Phase out Place Revise Revise MHS Phase out Place Revise Re RCSD- Review / Revise MHS Phase out Plan 28-JUN-11 A 02-SEP-11 10 MA-3120 Inventory MA FF&E 22-AUG-11 MA-4030 Inventory MA FF&E 23-AUG-11 ■ Design Marshall Swing Space 23-AUG-11 MA-4010 Design Marshall Swing Space 02-NOV-11 Marshall SS SED Review and App 07-DEC-11 25 Marshall SS SED Review and App 03-NOV-11 MA-3010 Marshall SS Bid & Award 08-DEC-11 09-JAN-12 23 MA-3020 Marshall SS Bid & Award Submittals / Approvals Materials & Equipment MA-3080 Submittals / Approvals Materials & Equipment 10-JAN-12 20-FEB-12 30 21-FEB-12 27-JUN-12 92 MA-3070 Material Procurement Marshall SS Construction ES = 20JUN12 MA-3030 Marshall SS Construction ES = 20JUN12 20-JUN-12 * 19-JUL-12 22 Marshall SS- #58 Move-In & Setup MA-3040 Marshall SS- #58 Move-In & Setup 20-JUL-12 29-AUG-12 29 Occupy Marshall Swing Space MA-3050 Occupy Marshall Swing Space 30-AUG-12 66 - #66 Monroe 1B - 2nd Wave Phs 1 □ Notice to Schools to form BAC 03-OCT-11 66-2990 Notice to Schools to form BAC 20-SEP-11 * Monroe Pre-Construction 06-FEB-13 332 66-1130 Monroe Pre-Construction 01-NOV-11 * Hand Off Mtg w Selected A/E 66-1131 Hand Off Mtg w Selected A/E 01-NOV-11 03-NOV-11 Program Verification 30 Program Verification 01-NOV-11 12-DEC-11 66-1161 Schematic Design 70 66-3000 01-NOV-11 06-FEB-12 Schematic Design Schematic Review by RJSCB Schematic Review by RJSCB 66-3010 07-FEB-12 13-FEB-12 Schematic Review by BAC 66-3020 Schematic Review by BAC 07-FEB-12 13-FEB-12 Design Development 07-FEB-12 28-MAY-12 80 66-3030 Design Development SED Schematic Design Review 66-3090 SED Schematic Design Review 07-FEB-12 05-MAR-12 20 → Design Development Review by RJSCB 29-MAY-12 66-3040 Design Development Review by RJSCB 29-MAY-12 → Design Development Review by BAC 29-MAY-12 66-3050 Design Development Review by BAC 29-MAY-12 Construction Documents 122 66-3060 Construction Documents 29-MAY-12 14-NOV-12 SED DD Review 66-3100 SED DD Review 29-MAY-12 25-JUN-12 20 Const Doc Review by RJSCB Const Doc Review by RJSCB 19-NOV-12 66-3070 15-NOV-12 Const Doc Review by BAC 19-NOV-12 66-3080 Const Doc Review by BAC 15-NOV-12 ■ Monroe SED Review / Approve 77 66-1140 Monroe SED Review/Approve 29-NOV-12 15-MAR-13 * Bid and Award Construction Contracts 66-1145 Bid and Award Construction Contracts 18-MAR-13 10-MAY-13 40 66-1150 Monroe Phs 1 Construction 26-JUN-14 * 29-JUL-15 285 86 - #86 Franklin - all 1A - 1st Wave Phs 1 Program Verification 08-MAR-11 A 29-SEP-11 35 Program Verification 44 86-1161 Pre-Reno Survey/Sample 86-3900 Pre-Reno Survey/Sample 22-AUG-11 * 16-SEP-11 20 Pre-Reno Air Monitoring 22-AUG-11 16-SEP-11 20 86-3910 Pre-Reno Air Monitoring Franklin Pre-Construction 86-1130 Franklin Pre-Construction 22-AUG-11 * 22-AUG-12 263 HAZ MAT Design 19-SEP-11 09-DEC-11 60 HAZ MAT Design 86-3100 Da Critical point

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Summary point Start milestone point Finish milestone point

Data date	22-AUG-1					
Start date	01-FEB-1					
Finish date	01-JUN-1					
Must finish date	31-AUG-1					
Target finish date						
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Date	Revision	Checked	Approved

Critical bar

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Start milestone point

Finish milestone point

Filter: Activities underway or with no progress

Sure Trak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11 Page 11A of 13B

Activity Activity **Early** Early OD 2011 2012 2013 2014 | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S | O | N | D | J | F | M Description Finish Start Schematic Design Schematic Design 29-SEP-11 24-NOV-11 40 86-3000 ■ Notice to Schools to form BAC 12-OCT-11 * 25-OCT-11 86-2990 Notice to Schools to form BAC 10 ■-Schematic Review by RJSCB Schematic Review by RJSCB 17-NOV-11 24-NOV-11 86-3010 Schematic Review by BAC 01-DEC-11 86-3020 Schematic Review by BAC 24-NOV-11 Design Development 02-FEB-12 50 86-3030 Design Development 24-NOV-11 SED Schematic Design Review 86-3100 SED Schematic Design Review 24-NOV-11 22-DEC-11 20 → Design Development Review by RJSCB 03-FEB-12 86-3040 02-FEB-12 Design Development Review by RJSCB → Design Development Review by BAC 86-3050 Design Development Review by BAC 02-FEB-12 03-FEB-12 Construction Documents 02-FEB-12 18-APR-12 54 86-3060 Construction Documents SED DD Review 86-3110 SED DD Review 02-FEB-12 01-MAR-12 20 ■ Franklin SED Review / Approve 18-APR-12 18-JUL-12 65 86-1140 Franklin SED Review / Approve IDC Review of Const Docs 18-APR-12 21-MAY-12 23 86-2150 IDC Review of Const Docs ■ Const Doc Review by RJSCB 18-APR-12 23-APR-12 86-3070 Const Doc Review by RJSCB ■ Const Doc Review by BAC 18-APR-12 23-APR-12 86-3080 Const Doc Review by BAC Incorporate IDC Con Doc Comments 23 86-2151 Incorporate IDC Con Doc Comments 21-MAY-12 21-JUN-12 Submit IDC Revised Con Docs to SED 86-2152 21-JUN-12 26-JUN-12 Submit IDC Revised Con Docs to SED Bid and Award Construction Contracts 25 22-AUG-12 86-1145 Bid and Award Construction Contracts 18-JUL-12 * Franklin Construction - Summer 2012 Franklin Construction - Summer 2012 22-AUG-12 17-OCT-12 40 86-1150 Franklin Construction - Sum 27-AUG-13 45 86-1162 Franklin Construction - Summer 2013 26-JUN-13 * Closeout 15-NOV-13 58 86-1152 Closeout 28-AUG-13 95 - #95 Edison - All 1B - 2nd Wave Phs 1 Notice to Schools to form BAC 03-OCT-11 95-2990 Notice to Schools to form BAC 20-SEP-11 * 10 Perform Environ Site Assess. Phs1 25-NOV-11 20 95-1440 Perform Environ Site Assess. Phs1 31-OCT-11 * Edison Pre- Construction 95-1130 Edison Pre-Construction 01-NOV-11 * 05-FEB-13 331 Hand Off Mtg w Selected A/E 01-NOV-11 03-NOV-11 95-1131 Hand Off Mtg w Selected A/E Program Verification 95-1161 Program Verification 01-NOV-11 12-DEC-11 30 Schematic Design 70 01-NOV-11 06-FEB-12 95-3000 Schematic Design Pre-Reno Survey/Sample 18-NOV-11 * 15-DEC-11 20 95-3900 Pre-Reno Survey/Sample Pre-Reno Air Monitoring 20 95-3910 Pre-Reno Air Monitoring 18-NOV-11 15-DEC-11 Perform Environ Site Assess Phs2 ? 28-NOV-11 06-JAN-12 30 95-1450 Perform Environ Site Assess Phs2? ■ Schematic Review by RJSCB 07-FEB-12 13-FEB-12 95-3010 Schematic Review by RJSCB Schematic Review by BAC 95-3020 Schematic Review by BAC 07-FEB-12 13-FEB-12 Design Development 07-FEB-12 14-MAY-12 70 95-3030 Design Development SED Schematic Design Review 95-3090 SED Schematic Design Review 07-FEB-12 05-MAR-12 20 Design Development Review by RJSCB 15-MAY-12 95-3040 Design Development Review by RJSCB 15-MAY-12 Design Development Review by BAC Design Development Review by BAC 15-MAY-12 15-MAY-12 95-3050 Construction Documents 27-AUG-12 75 Construction Documents 15-MAY-12 95-3060 Data date 22-AUG-11 Date Revision Checked Approved Early bar Critical point 01-FEB-11 Start date Progress bar Summary point 01-JUN-16 Finish date

31-AUG-16

Must finish date

Target finish date

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Summary bar

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Finish milestone point

Target finish date

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SureTrak Project Manager RCSD - Master Plan Schedule

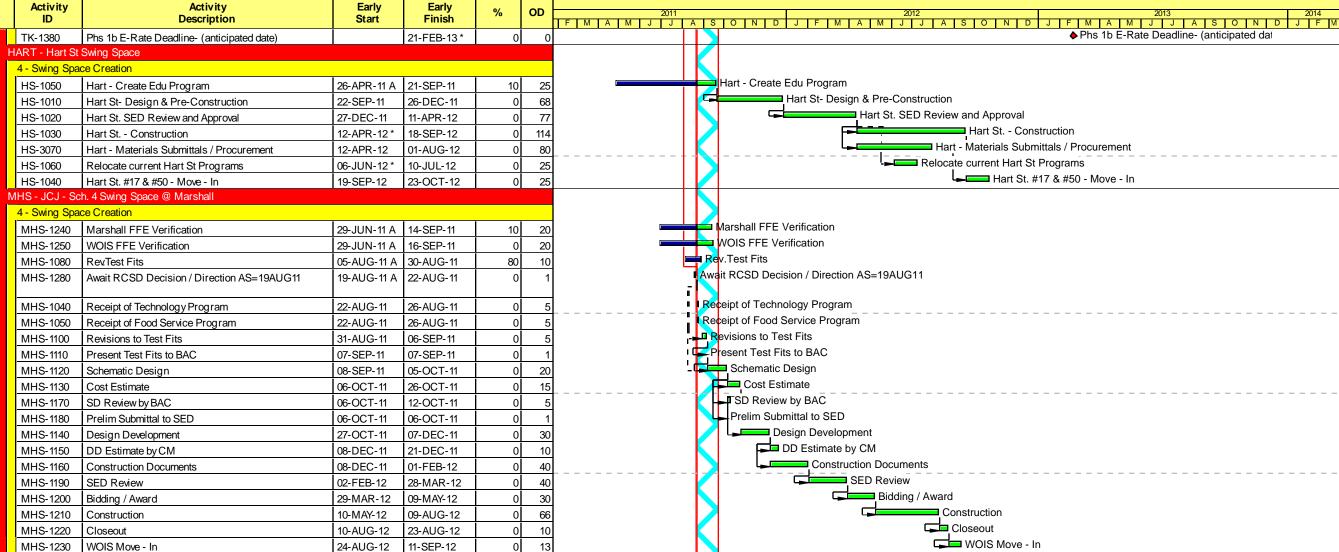
Gilbane Building Companies Report Date: 23-AUG-11 Page 12A of 13B

Activity ID	Activity Description	Early Start	Early Finish	%	OD	2011	2012 2013	2014
	•					F M A M J J A	SED DD Reviev	F M
95-3100	SED DD Review	15-MAY-12	11-JUN-12	0	20		Edison SED Review / Approve	
95-1140	Edison SED Review/Approve	28-AUG-12	12-DEC-12	0	77			
95-2150	IDC Review of Const Docs	28-AUG-12	27-SEP-12	0	23		IDC Review of Const Docs	
95-3070	Const Doc Review by RJSCB	28-AUG-12	30-AUG-12	0	3	+ - 🗾	Const Doc Review by RJSCB	
95-3080	Const Doc Review by BAC	28-AUG-12	30-AUG-12	0	3		Const Doc Review by BAC	
95-2151	Incorporate IDC comments into Con Docs	28-SEP-12	30-OCT-12	C	23		Incorporate IDC comments into Con Docs	
95-2152	Submit IDC Revised Con Docs to SED	31-OCT-12	02-NOV-12	C	3		Submit IDC Revised Con Docs to SED	
95-1145	Edison Bid and Award Construction Contracts	13-DEC-12	06-FEB-13	C	40		Edison Bid and Award Construction Contracts	
95-1150	Edison Construction	01-APR-13 *	10-OCT-14	C	400			
	690 - 690 St. Paul Swing Space							
4 - Swing Spa	ce Creation							
06-3070	Program 690 Space	22-AUG-11	23-SEP-11	C	25		Program 690 Space	
06-3000	690- Design and Pre-Construction	26-SEP-11	16-FEB-12	C	104	[[690- Design and Pre-Construction	
06-3090	Plan new space for current 690 Occupants	26-SEP-11	28-OCT-11	O	25		Plan new space for current 690 Occupants	
06-3010	690- SS SED Review and Approve	17-FEB-12	26-APR-12	0	50		690- SS SED Review and Approve	
06-3100	Develop New Spaces for current 690 Programs	17-FEB-12	26-APR-12	C	50		Develop New Spaces for current 690 Programs	
06-3020	690- SS Bid & Award	27-APR-12	31-MAY-12	C	25		690- SS Bid & Award	
06-3080	Move 690 Occupants out	27-APR-12	31-MAY-12	C	25		Move 690 Occupants out	
06-5040	690- Materials Submittals / Procurement	01-JUN-12	20-SEP-12	C	80		690- Materials Submittals / Procurement	
06-3030	690- SS Construction	21-SEP-12	30-NOV-12	C	51		690- SS Construction	
06-3040	690- SS Fit Out	05-NOV-12	30-NOV-12	0	20		690- SS Fit Out	
06-3060	Charlotte Move-In	03-DEC-12	04-JAN-13	0	i		Charlotte Move-In	
DWT - Districtv								
1A - 1st Wave								
TK-1240	Phs 1a Design Development	22-AUG-11	22-NOV-11	l c	67		Phs 1a Design Development	
TK-1310	Review 1A DD by RCSD, RSMP & Millennium	23-NOV-11	05-DEC-11	C	9		Review 1A DD by RCSD, RSMP & Millennium	
TK-1250	Phs 1a SED Review & Approve	06-DEC-11	19-JAN-12	0	33		Phs 1a SED Review & Approve	
TK-1260	Phs1a Const Doc & Bidding Phase	03-FEB-12	06-MAR-12	C	23		Phs1a Const Doc & Bidding Phase	
TK-1290	Phs 1a E-Rate Deadline (anticipated date)		16-FEB-12*	C	0	L	Phs 1a E-Rate Deadline (anticipated date)	
TK-1270	Phs 1a Bid Review	07-MAR-12	19-MAR-12	C	9		Phs 1a Bid Review	
TK-1280	Phs 1a Contract Negotiations & Award	20-MAR-12	05-APR-12	0	13		Phs 1a Contract Negotiations & Award]/
1B - 2nd Wave	Phs 1							
TK-1330	Phs 1b Design Development	15-MAR-12*	15-JUN-12	C	67		Phs 1b Design Development	
TK-1390	Phs 1b -Review DD. RCSD, RSMP,Mill	18-JUN-12	28-JUN-12	0	9		Phs 1b -Review DD. RCSD, RSMP,Mill	
TK-1400	Phs 1b SED Review & Approve	29-JUN-12	14-AUG-12	C	33		Phs 1b SED Review & Approve	
TK-1410	Phs 1b Const Doc & Bidding	15-AUG-12	14-SEP-12	0	23		Phs 1b Const Doc & Bidding	
TK-1420	Phs 1b Bid Review	17-SEP-12	27-SEP-12	0	9		Phs 1b Bid Review	
TK-1340	Phs 1b Contract Negotiations & Award	28-SEP-12	15-OCT-12	0	12		Phs 1b Contract Negotiations & Award	
	·							
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-	ess bar Summary point		art date		1-FEI			
		. <u> F1</u>	nish date		1-JUI			
Critica	ıl bar	hoiur W	ust finish da	te 3	31-AU	G-16		

Filter: Activities underway or with no progress

SureTrak Project Manager **RCSD - Master Plan Schedule**

Gilbane Building Companies Report Date: 23-AUG-11 Page 13A of 13B



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Date	Revision	Checked	Approved

SureTrak Project Manager RCSD - Master Plan Schedule

Gilbane Building Companies Report Date: 23-AUG-11

Filter: Activities underway or with no progress Page 14A of 13B

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Appendix F

Rochester City School District Rochester Schools Modernization Program PLA Benefit Analysis

Preliminary Cost Overview

Contract Number	<u>Cost (\$)</u>	<u>Comments</u>
Enrico Fermi School No. 17	\$19,183,794	Taken from Pike's estimate, construction only, no contingency
Classroom Addition	\$2,282,895	
Gym Addition	\$2,420,556	
Music/Café Addition	\$3,577,226	
Renovations	\$8,715,125	
Site	\$2,187,992	
Henry Hudson School No. 28	\$17,457,189	Taken from detailed cost estimate, construction only, no contigency
Helen Barrett Montgomery School No. 50	\$17,442,549	Taken from Pike's estimate, construction only, no contingency
Addition	\$11,336,012	
Renovations	\$5,058,014	
Site	\$1,048,523	
World of Inquiry School No. 58	\$36,240,961	Taken from SOW, no details on if this includes soft costs
Charlotte High School	\$20,094,850	Taken from Gilbane's estimate, construction only, no contingency
Franklin Educational Campus	\$7,600,000	Taken from SOW, no details on if this includes soft costs
John Williams School No. 5	\$17,730,000	Taken from RFP, construction budget
James P. B. Duffy School No. 12	\$15,650,000	Taken from RFP, construction budget
Thomas Jefferson High School	\$20,960,000	Taken from RFP, construction budget
James Monroe High School	\$23,500,000	Taken from RFP, construction budget
East High School	\$19,840,000	Taken from RFP, construction budget
Edison Educational Campus	\$22,200,000	Taken from RFP, construction budget
District Wide Technology Program	\$7,020,000	Taken from Tom Roger's Email (10/14/11)
PROJECT TOTALS	\$244,919,343	

Updated: 10/14/2011 Seeler Engineering, P.C.

The Pike Company Estimate Breakdown

Project Name: RCSD Modernization Location: School #17 Architect: Clark Patterson Associates

Construction Date: 2012 Building Type : School

Square Footege: Classroom Addition 14180 sqft

Gym Addition 11273 sqft Music/Café Addition 17083 sqft
Renovation 79743 sqft
122259 sqft

CSI BREAKDOWN

	EYSTEM/ASSEMBLY	Eatimates (Japanolos) Addition (P/A12/2014)	1300ii) (130iii)
Div 1	GENERAL CONDITIONS	\$137,523	\$9.70
D(v 28	SITEWORK	\$14,443	\$1.02
DIV 2D	DEMOLITION	\$5,000	\$0.88
DIv 3	CONCRETE	\$181,444	\$12,80
Div 4	MASONRY '	\$278,087	\$19.47
DIV 8	METALS	\$20,500	61,45
DIV 6	WOODS & PLASTICS	\$90,635	\$9,39
Div 7	THERMAL & MOISTURE PROTECTION	\$316,250	\$29,80
DIV 8	DOORS & WINDOWS/GLASS	\$183,321	\$12.83
DIV 8	FINISHES	\$259,096	\$16,20
DIV 10	SPECIALTIES	\$18,902	81.19
DIV 11	EQUIPMENT	\$0	60.00
Div 12	FURNISHINGS	\$13,428	\$0, 9 5
DIV 13	SPECIAL CONSTRUCTION	\$0	60.00
DIv 14	CONVEYING SYSTEMS	\$0	00,00
Čĺv 18FP	FIRE PROTECTION	\$0	\$6,00
DIV 18P	PLUMBING	\$123,973	\$8.74
Div 15H	HVAC	\$433,438	\$30.57
DIV 16	ELECTRICAL	\$211,623	\$14.94
	SUBTOTAL/COST	\$2,282,895	(C) (3(000)
	Design Contingency 10,00%	\$228,290	\$16.10
	TOTAL CONSTRUCTION COST	\$2,511,185	(ShinkG)

Eathmate Over Adaption 17/12/2011	Distantin Our fit
\$162,306	\$14.40
\$36,637	\$3.25
\$5,000	60.44
\$144,388	\$12.81
\$502,796	844.80
\$172,755	\$15,82
\$1,080	\$0.09
\$410,032	\$36.37
\$67,693	\$6.00
\$179,610	\$1d.90
\$14,300	81.97
\$89,255	\$7.92
\$0	90.00
\$0	\$0.00
\$0	\$0,00
\$32,692	\$2.00
\$98,858	80.74
\$295,454	\$28.21
\$208,030	\$18.45
\$2,420,556	930578
\$242,05 8	\$21.47
\$2,862,812	SEEDID -

Estimate: Music/Case Abbition	
9/12/2011	300:11
\$230,308	\$13.60
\$66,456	\$3.25
\$5,000	\$0.29
\$202,598	\$11.67
\$324,841	\$19,04
\$ 172,143	\$10.09
\$5,800	\$0,34
\$478,953	\$28.07
\$197,260	\$11.56
\$263,1 9 8	\$16.42
\$23,671	81.36
\$575,00 0	\$33.70
\$4,644	\$0.27
\$0	\$0.00
\$0	\$0.00
649,483	\$2,80
\$149,178	68,74
\$472,900	\$27.71
\$396,878	\$21.00
\$3,577,228	
\$387,723	\$20.96
\$8,954,949	<u> </u>

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\$379,929	\$4.78	I
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\$260,462	\$3.27	l
\$44,039	\$0.85	
\$484,311	\$5.82	l
\$39,969	\$0.50	I
\$247,285	\$5,10	ŀ
\$711,106	\$8,92	l
\$399,302	85,01	 ŀ
\$1,485,159	\$16,62	
\$136,933	\$1.70	
\$0	60,00	
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\$582,998	67.31	
\$2,085,499	\$45.00	
\$1,786,293	\$29.40	
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\$871,513	\$10.93	
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	Estimate: Orio 97/12/2011) -
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	\$101,604	
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	\$218,799	
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Ealimate-Total 9/18/2011	awen L
\$1,166,258	\$0.54
\$1,936,701	\$10.64
\$275,462	\$2.28
8572,469	\$4.00
\$1,568,035	\$12.83
\$405,367	\$3.52
\$344,770	64.63
\$1,916,371	\$15.67
\$847,596	\$6.93
\$2,186,063	\$17.86
\$190,706	\$1.50
\$664,265	48,48
\$130,912	91.07
\$0	\$0.00
\$0	\$0.00
\$62,176	\$0.67
\$954,707	\$7.81
\$3,267,291	\$26,72
\$2,674,626	\$21.66
\$19,183,794	(300001
\$1,916,379	\$15.69
\$21,102,173	\$34/300

THE PIKE COMPANY

Standard Estimate Report

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Page 1

PCSD Mederiteties

Project name

RCSD Modernization

Rochester

NY

Labor rate table

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Report format

Sorted by 'Location/CSI Div/Group phase/Phase'

'Detail' summary

Standard Estimate Report RCSD Modernization

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ltem	Description Takeoff Qty			Unit Cost		Amouni
Classroom .	Add					
	01					
1000.000	GENERAL REQUIREMENTS		·			
1000.100	Division 1 Subcontractors					
	10 GC Gen Conditions 6%	1.00	lsum	82,514.00		82,514
	10 GC Fee 4%	1.00	lsum	55,009.00	/Isum _	55,009
	Division 1 Subcontractors					137,523
	GENERAL REQUIREMENTS				• •	137,523
	01			9.70	/eqft	137,523
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c 30	Cassions 20" Dia x 15' D. Conc 3000 psi	48.00	cy	550.00	/cy _	26,400
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c 40	Note 4 5" S.O.G. Conc	4,444.00	8f	5.00	/ef	22,220
5.5	Conc: Slabs On Grade	,			_	22,220
3310.320	Conc: Fill Pan Stalrs					
c 30	Fill Pan Stairs 3000 psl	110.00	sqft	4.50	/sqft _	495
	Conc: Fill Pan Stairs 247.501 Labor hours					495
3310.360	Conc: Grade Beams					
c 30	Grade Beam Conc 3000 psl	63.00	су	350.00	/cy _	22,050
	Conc: Grade Beams 31.50 Labor hours					22,050
3310. 450	Cone: Topping				(B	40.000
c 30	Note 9 2" Topping Conc Over Precast Plank Conc: Topping 1,270.201 Labor hours	4,234.00	sqft	4.00	/sqn <u> </u>	16,936 16,936
3400.100	Precast Concrete					
	80 Note 10 10" Concrete Precast Roof Deck (sqft)	•	sf	14.42		41,010
	80 Note 9 6" Concrete Precast Floor Deck (sqft)	4,234.00	sf	12.36	/st · _	52,332

THEPIKECOMPANY

Precast Concrete

353.90 Labor hours

Standard Estimate Report RCSD Modernization

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					Total	
Item	Description	Takeoff Qty		Unit Cost		Amount
	CONCRETE			<u></u>		181,444
	1,975.102 Labor hours			<u>. </u>		404 444
	03	- '			12.60 /eqft	181,444
	14,180.90 sqft 1,975.102 Labor hours					
	04					
1000.000	MASONRY					
1210.100	Brick: All Types	926.00	sqft		28.00 /sqft	25,928
	10 Note 11 Brick Veneer Type 1 10 Note 12 Brick Veneer Type 2	2,387.00	aqit		28.00 /sqft	66,836
	10 Note 12 Brick Veneer 1ype 2 Brick: All Types					92,764
4220.100	Conc. Block 10"	926.00	sqft		20.00 /sqft	18,520
lw 1	Note 11 Bik 12" CMU Back-up Note 11 Bik 12" CMU Back-up	2,387.00	fipe		20,00 /sqft,	
tw 1 lw 1	Note 8 Blk 12" CMU Back-up @ cast Stone	1,078.00	sqft.		20.00 /sqft 20.00 /sqft	21,560 4,140
lw 1	Note 22 Blk 12" CMU Back-up @ cast Stone	207.00	ftpe		20.00 /041	
lw 1	Water Table Bik 12" CMU Interior Wall	1,612.00	aqft		20.00 /sqft	32,240
144 1	Conc. Block 10" 538.200 Labor hours					124,200
42 20.110	Conc. Block: 8"		_		16.00 /sqft	10, <u>048</u>
rw 1	8" CMU Interior Wall . Conc. Biock: 8"	626.00	fips		10.00 Jagit	10,046
4220.130	Conc. Block: 4"	182.00	soft		12.00 /sqft	2,184
rw 1	Blk 4" CMU Interior Conc. Block: 4"					2,184
	18.20 Labor hours					
4440.400	Stone Misc.	104.00	If		114.00 /lf	11,856
	10 Note 22 Cast Stone Water Table 10 Note 6 Cast Stone Band	539.00			65.00 /lf	35,035 46,891
	Stone Misc. 214,333 Lebor hours					40,05
	MASONRY					276,08
	770.733 Labor hours				19.47 /sqft	276,08
	04				10.41 IDAN	,,,,
	14,180.00 eqft 77 0.733 Labor hours					
	05					

5000.000

METALS

5120.010

		•
RCSD	Modernization	

			_		Total	
Item		Description	Takeoff Qty		Unit Cost	Amount
5120.010		Structural: Framing	4.50		4.000.00 #	0.000
	40	Note 25 Entry Canopy Steel Structural Framing (ton) @ 25 lbs / sf	1.50	ton	4,000.00 /ton	6,000
		Structural: Framing , 52.503 Labor hours				6,000
		52.303 Labor Rodis				
5210.010		Structural: Joist K Ber Joist	120.00	sqft	10.00 /sqft	1,200
		Structural: Joist K				1,200
5310.010		Structural: Steel Deck		_		000
	20	Metal Roof Deck	120.00	Bf	2.50 /sf	300
		Structural: Steel Deck				300
3505.010	40	Misc: Misc Metals	1.00	Allo	2,500.00 /Allo	2,500
	10	Misc Metals Misc: Misc Metals	1.00	MIU	2,800.00 IMIIU	2,500
		1.00 Labor hours				. –,
5510.110		Staira: Stair Parts			40 -00 05 151-	40 500
	10	Metal Pan Staire & Railings	1.00	fite	10,500.00 /fits	10,500 10,500
		Steirs: Steir Parts 20.00 Labor hours	A Comment			70,000
		METALS		•		20,500
		73.503 Labor hours				
		05			1.45 /eqft	20,500
		14,180.00 sqft				
		73.503 Lebor hours				
		05				
8000.000		WOOD & PLASTICS				
6117.020		Blocking: Misc.				
_		Roof Blocking	391.00	Inft	5.00 /lmft	1,955 1,955
		Blocking: Misc.				1,001
6410.010		Arch Wd Wrk: Cabinets		uz.	045 00 55	an ner
	10	Birch Base Cabinet W/ Lockable Doors @	84.00	IŤ	345.00 /lf	28,980
	10	Classroom Wall Cabinet W/ Lockable Doors @ Classroom	84.00	If	200.00 /lf	16,800
	101	Solid Surface Countertops @ Classroom	84.00		75.00 /lf	6,300
	130	Cubbles (30) ea / Clasroom (10 lf / Classroom)	120.00		65.00 /lf 750.00 /on	7,800 18,000
	130	Storage Units 24" x 3'-6" x 6' High W/ 7	24.00	ea	750.00 /ea	18,000
	130	Adjustable Shelves Lockable Doors Storage Units 12" x 3'-6" x 8' High W/ 7	24.00	98	450.00 /ea	10,800
	100	Adjustable Shelves Lockable Doors				
		Arch Wd Wrk: Cabinets 168.00 Labor hours				88,680
•						88.00
		WOOD & PLASTICS				90,638

THEPIKECOMPANY

168.00 Labor hours

Standard Estimate Report RCSD Modernization

Draft

T. (1)

Page 5

					Total	
ltem	Description	Takeoff Qty		Unit Cost		Amount
	Q8		<u> </u>	6.392	eqft	90,635
	14,180.00 sqft 168.00 Lebor hours					
	07					
000.000	THERMAL & MOISTURE PROT					·
111.010	Dempproofing: VaprBarrfer			0.75	lof.	3,333
	20 Poly Vapor Barrier @ SOG	4,444.00 4,598.00	sf sf	2.50		11,495
	30 Vapor Barrier @ Exterior Wall	. 4,586,00	01			14,828
	Dampproofing: VaprBerrier 8.68 Labor hours					
210.040	Insulation: Board	4,598.00	ef	1.85	/s f	8,506
	70 Expanded Polystyrene 2 " Insulation: Board	4,500.00	41		-	8,508
	91.96 Labor hours				e Spran i di i di	•
7410.010	Metai Wali Panels	358.00	sf	22.00	/of	7,876
	150 Note 1 Metal Roofing	358.00 29.00	si If	22.00		638
	340 Note 24 Soffit Panel Kynar Coated Metal Wall Panels	÷	"			8,514
	3,580.00 Labor hours					
7510.030	Membrane: BUR Bitumen	44 540 00	0	24.00	looft	279,432
i 20	Note 2 4 Ply Bur Foof System	11,643.00	sqft	24.00	redit _	279,432
	Membrane: BUR Bitumen					
7840.000	Firastopping	4.00	A41-	2,500.00	/ΔΙΙο	2,500
	Firestopping	1,00	Allo	2,000.00	,7410	2,500
	Fireatopping			-		2,***
7920.010	Sealant - Jt Filler Gaskt	1.00	Allo	2,500.00	/Allo	2,500
	Joint Sealants	1.00	Allu	2,000.00		2,500
	Sealent - Jt Filler Geakt		•••			
	THERMAL & MOISTURE PROT 3,680.64 Labor hours					316,280
	07			22.31	/eqft	316,280
	14,180.00 sqft	•				
	3,660.64 Labor hours					
	. 08			·		
8000.000	DOORS & WINDOWS					
8100.000	Doors: Metal With Frames			254 70) ion	3,481
	20 New HM Frame (Single)	17.00 3.00		204.785 279.785		839
	20 New HM Frame (Double)	3.00	98	210.10		

Standard Estimate Report RCSD Modernization

			E	Total	
ltem	Description	Takeoff Qty		Init Cost	Amount
Italii	•			_	4,321
	Doors: Metal With Frames 40.00 Labor hours				
8210.010	Doors: Wood	3.00	ea	779,783 /ea	2,339
b226	6'-0" x 7'-10" @ Comdor 3'-0" x 7'-10" @ Comdor	•	88	429.782 /ea	7,306
522 6	Doors: Wood				9,646
	40.00 Labor hours				
8400.000	Metal-Framed Storefronts	229.00	ef	60.00 /ef	13,740
	10 Note 5 Fixted Storefronts System Duel Pane Tempered Glass				40.000
	60 Aluminum Entrance Doors	14.00	0 8	3,500.00 /ea	49,000 62,740
	Metal-Framed Storefronts				02,740
8510.010	Windows: Metal 20 Note 21 Aluminum Double Hung Windows	1,119.00	sf	65.00 /sf	72,735
	Kynar Coated			-	72,735
	Windows: Metal				12,130
8700.000	Hardwere: Finishing	23.00	68	504,782 /ea	11,610
	10 Finishing Hardware Hardware: Finishing	Sand read to the sand	- 	_	11,610
	23.00 Labor hours	Cars - see	-1		
8900.010	Glezed Curtain Wells	262.00	af.	85,00 /sf	22,270
	10 Note 1 Metal Framed Curtain Wall W Double Hung Windows	202.00	O.		
	Glazed Curtain Walls				22,270
	DOORS & WINDOWS				183,321
	103.00 Labor hours		<u>.</u> .		-
	08			12.93 /sqft	183,321
	14,180.00 eqft				
	103.00 Labor hours				
	09		· -	_	
9000.000	FINISHES				
9134.010	GWB: WALL BOARD SYSTEMS				go FE
	30 GWB Cieling/Soffit	2,955.00		10.00 /sf 8.00 /sf	29,550 17,02
	30 Paint GWB	2,128.00	भ	0.00 /81	46,57
	GWB: WALL BOARD SYSTEMS				
9310.020	Tile: Moseics	788.00	sf	14.00 /sf	11,03
	20 Ceramic Tile Walls 20 Ceramic Floor Tile	200.00		12.00 /sf	2,40
	20 Porcelain Tile Walls	2,775.00		14.00 /sf	38,85
	Tile: Mossics				52,28
9400.000	Terrazzo	3,312.00	af .	18.00 /sf	59,61
	10 Precast Terrazzo	730.00		25.00 /lf	18,25
	11 Terrezzo Cove Base	7.00.00			-

Standard Estimate Report RCSD Modernization

Draft Pag

					Total	Amount
Item		Description	Takeoff Qty	Uni	t Cost	
		Тептеххо				77,866
		Ceiling: 2x4 Tile			•	20.400
511.050	40	ACT-1 2x2 Ceiling	8,334.00	9f	3.50 /ef	29,169
	10	Ceiling: 2x4 Tile				29,169
850.010		Flooring Resilient	= 0.40 00	-4	3.50 /sf	27,895
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10	Marmoleum Composition Tile	7,970.00 434.00	sf sf	3.50 /sf	1,519
	10	Rubber Floor Tile	1,432.00	lf	2.20 M	3,15 <u>0</u>
	40	Rubber Base	1,432.00	11		32,564
		Flooring Reallient				·
9670.010		Flooring Epoxy	460.00	sf	2.00 /sf	920
•	10	Sealed Concrete	-100.00		- -	920
		Flooring Epoxy				,
9680.010		Flooring Carpet	9.33	sy	35.00 /sy	327
	6	Carpet Tile Flooring Carpet		=	•	327
9910.020		Painting: Int Detalled			4.00 (cf.	542
9910.020	5		542.00	8f	1.00 /sf 1.00 /sf	13,138
¥10.	5		13,138.00	ef	1.00 /si	460
	5		460.00	af	1.00 /8f	4,256
	5		4,256.00	ef ·	1.00 761	18,396
		Painting: Int Detailed				
		FINISHES				258,098
		09			18.202/sqft	258,098
		14,180.00 sqft				
		10			-	
10000.000		SPECIALTIES				
40400 010		Visuei Displey Boards			1,000.00 /ea	12,000
10100.010	А	0 6' x 4' White Board @ Classroom	12.00	0 0	1,000.00 /64	12,000
	·	Visuel Display Boards				,
10430.010		Signs and Letters	19.00	68	50.00 /ea	950
	3	Note 26 Exterior Dimensional Letters Signs and Letters	19.00			950
						12,95
		SPECIALTIES				
12000.000		FURNISHINGS				<u>. </u>
42000 040		Floor Mats			6 EG /648	3,95
12000.010		10 Entrance Mats	416.00) sqft	9.50 /sqft	3,95
		Floor Mats				3,83
		FURNISHINGS		<u> </u>		3,95
		FORMADINGS				

Standard Estimate Report RCSD Modernization

Page 8 9/16/2011 11:12 AM

					Total		
ltem ·		Description	Takeoff Qty		Unit Cost	Amount	
INDITI			·				
		10			1.192/eqft	16,902	
		14,180.00 sqft					
		12					
	· .			<u> </u>	<u> </u>		
12000.000		FURNISHINGS					
12490.010		Window Treatments	4 440 00		12.0 <i>0</i> /sqft _	13,428	
	20	Louver Blinds Window Treatments	1,119.00	sqit	12.00 radit	13,428	
		FURNISHINGS	<u> </u>			13,428	
		12			0.95 /sqft	13,428	
		14,180.00 sqft					
	-	18	e e an e e e e e e e e e e e e e e e e e				
16010.000		GENERAL CONDITIONS					
16010.050		INSURANCE & BONDS		_	40.00 #	3.000	
n	55	Bond, Subcontractor, avg. \$10.00 per \$1000 INSURANCE & BONDS	209.00	k	10.00 /k _	2,090 2,0 9 0	
16010.060		MOBILIZE/DEMOBILIZE		-	5,000.00 //s	5,000	
n .	15	Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	18	5,000.00 As _	5,000	
16010.190		TEMPORARY UTILITIES	1.00	68	1,250.00 /ea	1,250	
u .	37 50	Allow, panelboards for temp power to 225A Allow, Temp.Power & Lights	14,180.00	aqft	0.25 /sqft	3,545 4,798	
		TEMPORARY UTILITIES					
		GENERAL CONDITIONS			•	11,888	
16050.000		BASIC MATERIALS & METHODS					
		Lightning Protection	•				
16060.810	5	Lightning Protection Lightning Protection	14,180.00	sqft	0.25 /sqft	3,54 3,54	
		Lightning Protection					
		BASIC MATERIALS & METHODS				3,54	
16130.000		RACEWAY, FITTINGS & BOXES					
16132.156		FEEDER CONDUIT/WIRE				24.43	
10102.100	47	HVAC Foultment Power	14,180.00	डवरि	1.50 /sqft	21,27	

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17 HVAC Equipment Power

Standard Estimate Report RCSD Modernization_____

Draft Page 9 9/16/2011 11:12 AM

ltem	Description	Takeoff Qty	,	Unit Cost			Amount
	FEEDER CONDUIT/WIRE			_			21,270
	RACEWAY, FITTINGS & BOXES						21,270
3140.000	WIRING DEVICES						
<u>'</u>	RECEPTACLES, BLADE TYPE						14,180
3140.150	5 Conduit and Wire for Electrical Power		sqft		1.00 / 1.85 /		26,233
	5 Receptacles	14,180.00	eqft		1.00 /	eq!\ _	40,413
	RECEPTACLES, BLADE TYPE						40,110
	54,692.28 Labor hours			. <u></u> .			10.448
	WIRING DEVICES						40,413
	54,692.28 Lebor hours						
16510.000	LIGHTING						·
16510.440	Flourescent Fixtures		0		4.50	/eaft	63,810
10010.440	Lighting		sqft		1.00		14,180
	Emergency Lighting		sqft sqft			/sqft	7,090
	Lighting Control System Flourescent Fixtures	14,180.00	adır		=1,40	: :::::: · · · ·	85,080
	LIGHTING						85,080
16700. 000	SPECIAL SYSTEMS						
					·	•	
16720.310	FIRE ALARM SYSTEM	14,180.00	sqft		2.50	/sqft _	35,450
	495 Fire Alarm System	14,100.00	-4				35,450
•	FIRE ALARM SYSTEM						
16720.320	Security System	14,180.00	sqft			/sqft	2,127
n	5 Security System Access Control Conduits	14,180.00	-		0.10	/sqft	1,416
п	45 CCTV System Conduits	,	•				3,545
	Security System 95,715.000 Labor hours						
16720.330	Clock/Program System	4,488.85	a=#		0.25	/eqft	3,54
10120.550 II	5 Clock System	14,160.00	sqft		0.20		3,54
.,	Clock/Program System 8,508.000 Labor hours						•
16720.340	SOUND/PAGING SYSTEM				A 25	/eqft	3,5 <u>4</u>
	5 PA System	14,160.00	sqft		0.20	/out	3,54
n	SOUND/PAGING SYSTEM						
16720.420	TELE/DATA SYSTEM	14,160.00	sqft		0.25	/sqft	3,54
П	5 Tele/Data/CATV Conduits	17,100.00	-4.,				3,54
	TELE/DATA SYSTEM						49,63
•	SPECIAL SYSTEMS 104,223.000 Labor hours						
	104.223.000 Labor nours						

14,180.00 eqft
158,915.280 ECOMPANY

				,			
ltem		Description		Takeoff Qty		Total Unit Cost	Amount
						14.94 /aqft	211,823
		16				14:04 tadir	211,020
		14,180.00 158,915.260	sqft Lebor hours				
2D							
730.000		DEMOLITION					
739.040		Demo: Finishes, Wa		4.00	Alla	5,000.00 /Allo	5,000
1 ·	30	Demo for Addition Tie-I Demo: Finishes, Well 0.10		1.00	Alto	3,000.00 Pallo	5,000
		DEMOLITION					5,000
			Labor houre			0.353/sqft	5,000
engage and		02D		The second secon	2 -		,
		14,180.00 0.10	eqft Lebor hours	•			
028							
2300.000		EARTHWORK					
2317.105	·		xcav, Backfill & Subbasa	4,444.00	sqft	3.25 /sqft	14,443
		Addition Building Excevation				-	14,443
		EARTHWORK			<u>-</u>		14,443
		028		· .		1.02 /sqft	14,443
		14,180.00	sqft				
15H							
15500.000		HVAC					
15500.100		HVAC GENERAL		400,480.00	lsum	0.02 /leum	8,010
		Bonds and Insurances Genral Conditions HVAC GENERAL		400,480.00	isum	0.08 /lsum _	32,038 40,048
15617.000	7200	Terminal Heat/Cool Cabinet Heaters , FT r Terminal	Units adiation, Hydronic Heating	14,180.00	aqft	0.85 /sqft	12,053

Draft

Page 11 9/16/2011 11:12 AM

1100	Description Terminal Heat/Cool Units	Takeoff Qty	,	Unit Cost	Total	Amount
1100	Terminal Heat/Cool Units					
1100						12,053
1100	Floor Heat/Snow Melt Eq.	•				
	Radiant Stab Heating	4,144.00	aqft		19.00 /sqft	78,7 <u>36</u>
*	Floor Heat/Snow Melt Eq.					78, 73 6
	66.304 Labor hours		•			
	Air Handling Units					
1130		14,180.00	each		7.50 /each	108,350
						106,350
	340,320.000 Labor hours					
	Heating Water Piping	44 400 00			1.20 /eaft	17,016
		•	•		•	17,016
1108		14,180.00	sqn		1.20 radic	34,032
	Heating Water Piping					,
	Fans	14 180 00) eaft		4.94 /saft	70,049
2001	Exhaust Fan Systems, duct and louver	14,100.00	oqu.			70,049
	Fans	•				
	Air Terminel Units	14 180 00) soft		2.50 /sqft	35,450
4001		(4,100,00	, -4		· _	
	Air Terminal Units					35,450
	LIVAC least and Countie					_
4640		14,180.0	Tipe C		4.00 /sqft	56,720
1010	HVAC Inst. and Conrols					56,720
	HVAC					433,438
	340,386.304 Labor hours		•		<u> </u>	
	15H				30.57 /sqft	433,438
	14,180.00 sqft 340,386.304 Labor hours					
٠.		<u> </u>				
	PLUMBING	·				
		<u></u>		····		
	PLUMBING GENERAL	440 780 0	n te		0.02 flaum	2,25
	Bonds and Insurances					9,010
		112,703.0	io isuili	l	0.00 /100111	11,27
	PLUMBING GENERAL					
	Domestic Water Piping	14 180 0	ftne Or		1.75 /sqft	24,81
1105		14,100%			· -	24,81
	Domestic Water Piping		•			
	Sanitary Waste/Vent Ppg.	14.180.0	00 saft		1.50 /sqft _	21,27
5706	Sanitart Drain Piping Sanitary Waste/Vent Ppg.	1 11.000			_	21,27
570		14,180.0	30 sqft		1.50 /sqft	21,27
			T /		ATATA	<i>T</i>
				/∦ ₽		Y
,.			ノ上、	V II I .		4.
	1103 1108 2001 4001 1610	Heating Water Piping Heating Water Branch Piping Heating Water Mains Piping Heating Water Mains Piping Fans 2001 Exhaust Fan Systems, duct and louver Fans Air Terminal Units 4001 VAV Variable Air Volume HW Reheat, No Controls Air Terminal Units HVAC Inst. and Conrols 1610 HVAC Controls HVAC Inst. and Conrols 1641 14,180.00 sqft 340,386.304 Labor hours 15H 14,180.00 sqft 340,386.304 Labor hours PLUMBING PLUMBING PLUMBING PLUMBING GENERAL Domestic Water Piping 1105 Domestic Water Piping Domestic Water Piping Sanitary Waste/Vent Ppg. 5708 Sanitary Waste/Vent Ppg. Storm Drainage Piping 5709 Storm Plping	1130 VAV AHU Systems	14,180.00 sach Air Handling Units	14,180.00 each	1130

Item					and an income of	
		Description	Takeoff Qty		Unit Coet	Amount
		Storm Drainage Piping				21,270
5340.000		Natural Gas Piping				
:	3306	Gas Piping Natural Gas Piping	14,180.00	fips	0.47 /sqft	6,665 6,665
5360.000		Fixture Rough in			•	
	1000	Rough In, Plumbing Fixtures	14,180.00	saft	0.77 /sqft	10,662
	9000	Plumbing Fixture Final Hook Up	14,180.00	sqft	0.67 /sqft	9,458
		Fixture Rough In				20,320
5410.000		Plumbing Fixtures	4440000		0.50 /2-4	0.454
	1000	Plumbing Fixtures Plumbing Fixtures	14,180.00	sqfl	0.56 /sqft	8,154 8,154
5440.000		Domestic Water Heaters				
		Gas Water Heater, Equipment	14,180.00	sqft	0.52 /sqft	7,374
•	9100	Hot Water Storage	14,180.00	sqft	0.20 /sqft	2,836 10,210
		Domestic Water Heaters				10,210
		PLUMBING				123,973
		15P			8.743/eqft	123,973
		14,180.00 eqft				
		Classroom Add			160.994/sqft	2,282,895
		14,180.00 sqft 506.072.64 Labor hours				ı
		Cooperator Educations				
⊋ym Add						
		01				

1000.000		GENERAL REQUIREMENTS				··
1000.100		Division 1 Subcontractors	· - u			
	10	GC Gen Conditions 6%	1,00	laum	97,384.00 /lsum	97,384
	10	GC Fee 4%	1.00	lsum	64,922.00 /lsum	64,922
		Division 1 Subcontractors				162,306
		GENERAL REQUIREMENTS				162,306
		01			14.40 /eqft	182,306

11,273.00 sqft

03

3000.000 CONCRETE

3310.120

Page 13 9/16/2011 11:12 AM

				Total	
ltem	Description	Takeoff Qty		Unit Cost	Amount
					4- -
3310.120	Cassions	53.00	су	550.00 /cy	29,150
c 30	Cassions 20" Dia x 15' D Conc 3000 psi		•		29,150
	Cassions 79.50 Labor hours				
	Conc: Slabs On Grade				27 A38
3310.210	Note 1 6" S.O.G. Conc	11,273.00	əf	6.00 /sf	67,638
c 40	Conc. Slabs On Grade				67,638
	Conc. Sians On Grade				
3310.360	Conc: Grade Beems	136.00	су	350.00 /cy	47,600
c 30	Grade Beam Conc 3000 pai		•	•	47,600
	Conc: Grade Beams				
	68.00 Labor hours				144,388
	CONCRETE				744,000
	147.50 Labor hours				444 200
	03			12,81 /eqft	144,388
	11,273.00 sqft 147.50 Labor hours				
				$(y_{i,j}) = (y_{i,j}) \cdot (y_{i,j} + y_{i,j})$	
and Harris	04				
4000.000	MASONRY				
4210.100	Brick: All Types	2,593.00	sqft	28.00 /sqft	72,604
	10 Note 11 Brick Veneer Type 1	1,839.00		28.00 /sqft _	51,492
	10 Note 12 Brick Veneer Type 2	.,-	-		124,096
	Brick: All Types				
4220.100	Conc. Block 10"	2,593.00) sqfl	20.00 /sqft	51,860
lw 1	Note 11 Blk 12" CMU Back-up	1,839.00		20.00 /sqft	36,780
lw 1	Note 11 Blk 12" CMU Back-up	1,124.00	•	20.00 /sqft	22,480
lw 1	Note 8 Blk 12" CMU Back-up @ cast Stone	345.00		20.00 /sqft	6,900
lw 1	Note 22 Blk 12" CMU Back-up @ cast Stone	0 1011	• • •		
	Water Table	5,239.0	fipe C	20.00 /sqft _	104,780
lw 1	Blk 12" CMU Interior Wall	0,200,0	•		222,800
	Conc. Black 10"				
	965.47 Labor hours				
4220.110	Conc. Block: 8"	5,508.0	o saft	16.00 /sqft	88,128
rw 1	6" CMU Interior Wall	0,000.0	. 04		88,128
	Cane. Block: 8"				
4220.130	Conc. Block: 4"	000	o eqfi	12.00 /sqft	11,520
rw 1	Bik 4" CMU Interior	800.0	o adı		11,520
	Conc. Block: 4"				
	96.00 Lebor hours			•	
4440.400	Stone Misc.	470 (00 lf	114.00 /lf	19,722
77701700	10 Note 22 Cast Stone Water Table		00 lf	65.00 /lf	36,530
	10 Note 8 Cast Stone Band	562.0	, II		56,252
	Stone Misc.				
	245,00 Labor hours				

Standard Estimate Report

9/16/2011 11:12 AM

RCSD Modernization

			Total		
Item	Description	Takeoff Qty	Unit Cost	Amount	
	MASONRY 1,306.47 Labor hours		<u> </u>	502,796	
	04		44.802/sqft	502,798	
	11,273.00 sqft 1,308.47 Labor hours				
	08				
5000.000	METALS				
5310.010	Structurel: Steel Deck				
	20 Metal Joiste/Acoustical Roof Deck	9,535.00 af 3,902.00 af	14.00 /af 7.50 /af	133,490 29,265	
	20 Metal Joists/Roof Deck Structurel: Steel Deck	3,902.00 81	7.50 761	162,755	
5505.010	Misc: Misc Metals 10 Misc Metals	1.00 Alk	0 10,000.00 /Allo	10,000	
	Misc: Miac Metals 1.00 Labor hours			10,000	
	METALS 1.00 Labor hours			172,755	
	08		15.33 /sqft	172,785	
	11,273.00 eqft 1.00 Labor hours				
	08	·	<u>. </u>		
8000.000	WOOD & PLASTICS				
6117.020	Blocking: Misc.		#·•	4.000	
_	Roof Blocking Blocking: Misc.	210.00 Inft	5.00 /Inft _	1,05 <u>0</u> 1,050	
	WOOD & PLASTICS			1,050	
	08		0.093/sqft	1,050	
	11,273.00 sqft		ı		
	07				
7000.000	THERMAL & MOISTURE PROT				
7111.010	Dampproofing: VeprBerrier				
1 , 1 ,	20 Poly Vapor Barrier @ SOG	11;273.00 ef	0.75 <i>I</i> sf	8,455	

Draft

Page 15 9/16/2011 11:12 AM

					STOCKE, NA SECULO STEEL
ltem	Description	Takeoff Qty		Total: Unit Cost	Amount
				-	23,207
	Dampproofing: VaprBarrier 11.134 Labor hours			•	,
210.040	insulation: Board	5,901,00	of	1.85 /sf	10,917
	70 Expanded Polystyrene 2 "	0,001,00	aı		10,917
	Insulation: Board 118.02 Labor hours				10,017
410.010	Metal Well Panels			24.00 /sf	228,840
	150 Note 1 Metal Roofing	9,535.00	sf	24.00 /61	228,840
	Metal Wall Panels 95,350.00 Labor hours				220,040
410.050	Wali Panels	4 074 00	n é	45.00 /af	48,420
	90 Note 18 3/A202 Translucent Wall System	1,078.00	81		48,420
	Well Panels 69.94 Labor hours				10,120
510.030	Membrane: BUR Bitumen	2 002 00	444	24.00 /sqft	93,648
120	Note 2 4 Ply Bur Foof System	3,902.00	aqıı	24.00 /oqit	93.648
	Membrane: BUR Bitumen				
840.000	Firestopping	1.00	Allo	2,500.00 /Allo	2,500
	Firestopping	1.00	AllU	2,000.00 //410	2,500
	Firestopping				_,,,,,
7920.010	Sealant - Ji Filler Gaakt	1.00	Allo	2,500.00 /Allo	2,500
_	Joint Sealanta Sealant - Jt Filter Gaskt	1.50	Allo		2,500
	THERMAL & MOISTURE PROT			-	410,032
	95,549.094 Labor hours				
	07			36.373/eqft	410,032
	11,273.00 eqft 95,549.094 Labor hours				
	08				
8000.000	DOORS & WINDOWS				
8100.000	Doors: Metal With Frames				
. , , , , , , , , ,	10 Double Hollow Metal Doors	1.00	Ç₽	396.74 /ea	397 1 941
	20 HM Frame (Single)	9.00	88	204.782 /ea 279.783 /ea	1,843 1,119
	20 HM Frame (Oouble)	4.00 10.00	08	3,500.00 /ea	35,000
	100 Note 2 Aluminum Entrance Doors	10.00			38,35
	Doors: Metal With Frames 48.00 Labor hours				
	FRP Door	4.00	ea	996.74 /ea	3,96
8110.020	10 Note 19 Double FRP Doors	7.00			3,98
8110.020	FDD Cook				•
8110.020	FRP Door 8.00 Labor hours				
8110.020 8210.010		15.00	ea	429.762 /ea	6,44

					Total	
item		Description	Takeoff Qty		Unit Cost	Amount
		Doors: Wood			· -	6,447
		30.00 Labor hours				
400.000		Metal-Fremed Storefronts				
	10	Note 2 Aluminum-Framed Storefronts	192.00	8f	60.00 /ef	11,520
	80	Note 15 Motorized Aluminum Awnings Metal-Framed Storefronts	164.00	lf	45.00 /lf	7,380 18,900
		-			· · · · · · · · · · · · · · · · · · ·	
		DOORS & WINDOWS 86.00 Labor hours				67,693
		0В			6.01 /aqft	67,693
		11,273.00 eqft				
		86.00 Labor hours				
		09				
000.000		FINISHES				
			· · · · · · · · · · · · · · · · · · ·		•••	
9310.020		Tile: Moseics		_		
	20	Ceramic Floor Tile	908.00	8f	12.00 /ef	10,872
		Tile: Mosaics				10,872
9400.000		Тептаддо		_	40.00 1.5	22.00
		Precast Terrazzo	1,313.00	81	18.00 /sf	23,634
	11		170.00	lf	25.00 /lf	4,250
		Тепвихо				27,884
511.050		Celling: 2x4 Tile	0.704.00		0.50 44	40.004
	10	ACT-1 2x2 Ceiling	3,704.00	ST	3.50 /mf	12,964
		Ceiling: 2x4 Tile				12,964
640.010	40	Flooring Wood	7 472 00		44.00 (-6	404.000
	10	Wood Flooring @ Gymnasium	7,472.00	вī	14.00 /sf	104,608
		Flooring Wood				104,608
850.010		Flooring Resilient	PP4 00	12	2.20 /lf	4 040
	40	Rubber Base Fiocring Resilient	551.00	II	Z.ZU /IIT	1,212 1,212
880.010		Flooring Carpet				
1000.010	A	Carpet Tile	13.22	sv	35.00 /sy	463
		Flooring Carpet	10.00	-,		483
910.020		Painting: int Detailed				
	5	Epoxy Paint CMU Block	1,088.00	sf	1.00 /sf	1,088
		Paint CMU Block	13, 705.00	sf	1.00 /sf	13,705
		Paint Bare Ceiling	8,814.00		1.00 /sf	6,814
		Painting: Int Detailed				21,607
		FINISHES				179,610
		09			15.933/eqft	179,610

11,273.00 eqft

Page 17 9/16/2011 11:12 AM

	30 31	Description 10 SPECIALTIES Toilet Compartments Phenolic Toilet Compartments Phenolic ADA Toilet Compartments	Takeoff Qty		Unit Cost	Amount
10000.000		SPECIALTIES Toilet Compartments Phenolic Tollet Compartments Phenolic ADA Toilet Compartments				
		Toilet Compartments Phenolic Tollet Compartments Phenolic ADA Toilet Compartments				
10180.010		Phenolic Tollet Compartments Phenolic ADA Toilet Compartments				
		Phenolic ADA Toilet Compartments				
	31			ea	1,000.00 /ea	1,000
			2.00	ėв	1,275.00 /ea	2,550
		Tollet Compartments				3,550
10500.010		Lockers				
	10	Gym Locker	30.00	ea	225.00 /ea	6,750
		Lockers				6,750
10800.010		Misc Toilet/Bath Equip				
	80	Soap Dispenser	4.00	68	75.50 /ea	302
	82	SS Tollet Paper Dispenser- Surface Mt.	3.00	ea	34.50 /ea	104
	84	SS Waste Rec./Paper Towel Disp.	4.00	ea	545.00 /ea	2,180
	90	Mirror	5.00	ea	238.00 /ea	1,190
	100	Grab Bar HC	4.00	98	58.00 /ea	224
		Misc Toilet/Beth Equip			. '	4,000
		SPECIALTIES				14,300
		10			1.27 /sqft	14,300
		11,273.00 sqft				
		•			•	
		11				
11000.000		EQUIPMENT			•	
11480.010		Equip: Sports/Therapeutic				
	10	Note 15 Electronic Score Board	2.00	0 8	2,500.00 /ea	5,000
	10	Note 14 (3) Fixed Basketball Back Boards, Over Head Supported	3.00	88	1,500.00 /ea	4,500
	10	Note 14 (3) Motorized Basketball Back Boards,	3.00	ea	2,500.00 /ea	7,500
		Over Head Supported	450.00	1	42E 50 Jacob	18,750
		Note 18 Bleachers Motorized	150.00	seat	125.00 /seat	22,539
	80	Note 19 Operable Gym Partition @ Gym	1, 9 02.00 429.00	sf ef	11.85 /sf 42.00 /sf	18,016
	60	Note 17 Fire Rated Paired Operable Partition @	429.00	18	42.UU 18I	10,010
		Stage	1,992.00	ef	6.50 /sf	12,948
		Gymnasium Wall Padding	1,802.00	q1	0.00 751	89,266
		Equip: Sports/Therapeutic				
		EQUIPMENT				89,255
		11			7.92 /sqft	89,256

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16

Standard Estimate Report

Page 18 9/16/2011 11:12 AM

RCSD Modernization

Item					12-14-14-14-14-14-14-14-14-14-14-14-14-14-		
IIAIII		Description	Takeoff Qty		Unit Cost	Amount	
8010.000		GENERAL CONDITIONS					
16010.050		INSURANCE & BONDS					
1	55	Bond, Subcontractor, avg. \$10.00 per \$1000 INSURANCE & BONDS	205 .00	k	10.00 /k	2,050 2,050	
16010.080	4=	MOBILIZE/DEMOBILIZE					
1	15	Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	IS	5,000.00 /ls _	5,000 5,000	
16010.190		TEMPORARY UTILITIES					
1		Allow, panelboards for temp power to 225A	1.00	ea	1,250.00 /ea	1,250	
n	50	Allow, Temp.Power & Lights	11,273.00	sqft	0.25 /sqft	2,818	
		TEMPORARY UTILITIES				4,068	
		GENERAL CONDITIONS				11,118	
16050.000		BASIC MATERIALS & METHODS					
16060.810		Lightning Protection					
	5	Lightning Protection	11,273.00	saft	0.25 /sqft	2,818	
		Lightning Protection	·	·	· -	2,818	
		BASIC MATERIALS & METHODS				2,818	
16130.000		RACEWAY, FITTINGS & BOXES					
16132.156		FEEDER CONDUIT/WIRE		•			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	17	HVAC Equipment Power	11,273.00	sqfl	1.50 /sqft	16,910	
		FEEDER CONDUITAWIRE	,	•	· <u>-</u>	16,910	
		RACEWAY, FITTINGS & BOXES			· · · · · · · · · · · · · · · · · · ·	16,910	
16140.000		WIRING DEVICES	•				
6140.150		RECEPTACLES, BLADE TYPE		·			
)	5	Conduit and Wire for Electrical Power	11,273.00	sqft	1.00 /sqft	11,273	
1	5	Receptacles	11,273.00	sqft	1.50 /sqft	16,910	
		RECEPTACLES, BLADE TYPE			_	28, 183	
		43,479,981 Labor hours			. · · · · ·		
		WIRING DEVICES				28,183	
0010 000		43,479.961 Labor hours					
6510.000		LIGHTING					
6510.440		Flourescent Fixtures					
		Lighting	11,273.00	sqft	6.00 /sqft	67,638	
		Emergency Lighting Lighting Control System	11,273.00 11,273.00	sqft sqft	1.00 /sqft 0.50 /sqft	11,273 5,637	

16720.330 ⁻		Clock/Program System	11,273,00 sqft	0.25 /sqft	2,818
n • ,	5	Clock/Program System 6,783.800 Labor hours			2,818
16720.340		SOUND/PAGING SYSTEM	11,273.00 sqft	0.25 /sqft	2,810
n n		PA System Gym Sound System SOUND/PAGING SYSTEM	1.00 Alto	25,000.00 /Alfo	25,000 27,618
16720.420		TELE/DATA SYSTEM	11,273.00 sqft	0.25 /sqft	2,818
n	5	Tele/Data/CATV Conduits TELE/DATA SYSTEM	11,210.00 adic		2,818
		SPECIAL SYSTEMS			64,456
		82,856.550 Labor hours			
		16		18.454/sqft	208,032
		11,273.00 sqft 126,336.511 Labor hours			
02D				-	
1730.000		DEMOLITION			
1739.040		Demo: Finishes, Walls	. 4 50 All-	5,000,00 /Allo	5,000
n	30	Demo for Addition Tie-In Demo: Finishes, Walls	1.00 Allo	3,000,00 7410	5,000
		0.10 Leber hours			
		DEMOLITION 0.10 Labor hours			5,000
		U.IU LEDOI IIUGIO		0,444/sqft	5,000
		02D		v. byit	2,223

11,273.00 eqft 0.10 Labor hours



					Total	
ltem	Description		Takeoff Qty		Unit Cost	Amount
		LIGHTING				84,548
16700.000		SPECIAL SYSTEMS				
16720.310		FIRE ALARM SYSTEM				
	495	Fire Alarm System FIRE ALARM SYSTEM	11,273.00	sqft	2.50 /sqft	28,183 28,183
16720.320		Security System				
п	5	Security System Access Control Conduits	11,273.00	sqft	0.15 /sqft	1,691
п	45	CCTV System Conduits	11,273.00	aqft	0.10 /sqft	1,127
		Security System 76,092.750 Labor hours			_	2,818

Page 20 9/16/2011 11:12 AM

		•			Total			
item		Description	Takeoff Qty	•	Unit Cost	Amount		
028				•				
2300.000		EARTHWORK			~			
2317.105		Building Excevation	44 070 00					
		Building Earthwork - Excav, Backfill & Subbase Addition	11,273.00	sqft	3.25 /sqft	38,637		
		Building Excavation				36,637		
		EARTHWORK				36,637		
		028			3.25 /eqft	38,637		
		11,273.00 sqft						
15FP								
15000.000		FIRE PROTECTION						
15011.000		Fire Protection Piping						
n	3404	Wet Sprinkler System	11,273.00	sqft	2.90 /sqft _	32,692		
		Fire Protection Piping				32,692		
		FIRE PROTECTION				32,692		
		15FP			2.80 /eqft	32,692		
		11,273.00 eqft						
15H								
15500.000		HVAC						
15500.100		HVAC GENERAL						
	0002	Bonds and Insurances Genral Conditions	283,967.00 283,967.00	lsum Isum	0.02 /lsum 0.06 /lsum	5,679 22,717		
	0000	HVAC GENERAL	200,007.00		U.UU Madii	28,397		
15617.000	7000	Terminal Heat/Cool Units	44 070 00		0.05 15	A 860		
	7200	Cabinet Heaters , FT radiation, Hydronic Heating Terminal	11,273.00	sqft	0.85 /sqft	9,582		
		Terminal Heal/Cool Unita			_	9,582		
15650.000	1420	Air Handling Units Constant Volume Reheat System	11,273.00	sqft	11.50 /sqft	129,640		
	1120	Air Hendling Units	11,213,00	adır	i i i por oci i	129,640		
15730.000	4	Healing Water Piping	4 	_		 .		
	1103 1103	Heating Water Branch Piping Heating Water Main Piping	11,273.00 11,273.00	aqft aqft	1.20 /sqft 1.20 /sqft	13, 528 13,528		
		- removed - contact contact - that off	11,270,00		Timo Toqu	10,010		

					· ·			
						Total		
Item		Description	Takeoff Qty		Unit Cost		Amount	
		Heating Water Piping				-	27,055	
5830.000		Fans						
	2001	Exhaust Fan Systems, duct and louver	11,273.00	sqft	4.94	/sqft _	55,669	
		Fans					55,689	
5940.000		HVAC inst. and Conrols						
	1610	HVAC Controls	11,273.00	sqft	4.00	/sqft	45,092	
		HVAC inst. and Conrols	•				45,092	
•		HVAC					295,454	
		15H			26.21	/sqft	295,454	
		11,273.00 eqft						
5P								
5200.000		PLUMBING					•	
5200.100		PLUMBING GENERAL						
GC01		Bonds and Insurances	89,598.00	lsum	0.02	/Isum	1,792	
GC02		General Conditions	89,598.00	tsum	0.08	/leum _	7,168	
		PLUMBING GENERAL					8,960	
5310.000		Domestic Water Piping						
	1105	Domestic Water Piping	11,273.00	sqft	1.75	/sqft _	19,728	
		Domestic Water Piping					19,728	
5320.000		Sanitary Waste/Vent Ppg.						
	5708	Sanitart Drain Piping	11,273.00	sqft	1.50	/eqft	16,910	
		Senitary Waste/Vent Ppg.					16,910	
5330.000		Storm Drainage Piping						
	5709	Storm Piping	11,273.00	aqft	1.50	/sqft _	16,910	
		Storm Drainage Piping					18,910	
5340.000		Natural Gas Piping						
	3306	Gas Piping	11,273.00	sqft	0.47	/sqft	5,298	
		Natural Gas Piping					5,298	
5360.000		Fixture Rough In						
	1000	Rough in, Plumbing Fixtures	11,273.00	sqft	0.77		8,635	
	9000	Plumbing Fixture Final Hook Up	11,273.00	sqft	0.67	/sqft	7,519	
		Fixture Rough in					16,154	
5410.000	4000	Plumbing Fixtures	44.070.55	6	a =	tB	a 1a-	
	1000	Plumbing Fixtures	11,273.00	aqft	0.56	/8 q ft	6,482	
		Plumbing Fixtures					6,482	
5440.000	2400	Domestic Water Heaters Cas Water Heater Equipment	44 979 00	400	0.50	loe t	e non	
		Gas Water Heater, Equipment Hot Water Storage	11,273.00 11,273.00	sqft fipe	0.52 0.20		5,862 2,255	
	5.00	Domestic Water Hesters	1 1/21 0/00		U.E.V		8,117	

Draft
Page 22
9/16/2011 11:12 AM

						Total		
łtem		Description	Take	off Qty		Unit Cost		Amount
		PLUMBING		•				98,558
		15P	···			8.743	3/sqft	98,558
		11,273.00 sqft						
		Gym Add				214.722	2/sqft	2,420,556
		11,273.00 sqft 223,426.672 Labor hours						
Music/Cafe A	Add							
		01	<u></u>			_		
1000.000		GENERAL REQUIREMENTS						
1000.100		Division 1 Subcontractors		4.00	l	400 405 00	0	400 405
		GC Gen Conditions 6% GC Fee 4%	J	1.00 1.00	isum isum .	138,185.00 92,123.00		138,185 92,123
•		Division 1 Subcontractors						230,308
		GENERAL REQUIREMENTS						230,308
		01	· <u></u>			13.50	/eqft	230,308
		17,083.00 sqft						
		03				_		
3000.000		CONCRETE						
3110.350		Forms: Suspended Slab						
	10	Suspended Slab @ Mezzanine Forms: Suspended Slab 333.50 Labor hours	3,	335.00	ef	5.50	/st	18,343 18,343
3310.120		Cassions						4
c 30		Cassions 20" Dia x 15' D Conc 3000 psi Cassions 123.00 Labor hours		82.00	су	550.00	/cy	45,100 45,100
310.210		Conc: Siebs On Grade						
c 40		Note 4 5" S.O.G. Conc	17,0	63.00	8f	5.00	/sf	85,315
		Conc: Slebs On Grade						85,31 <i>5</i>
33 <i>10.320</i> c 30		Conc: Fill Pan Steirs Fill Pan Stairs 3000 psi	2	220.00	sqft	4.50	/sqft	990
		•			-			

202,598

11.873/eqft

•	•			
ltem	Description	Takeoff Qty	Total Unit Cost	Amount
	Conc: Fill Pan Stairs 495.001 Labor hours			990
<i>3310.360</i> c 30	Cono: Grade Beams Grade Beam Cono 3000 psi Cono: Grade Beams 75.50 Labor houre	151.00 cy	350.00 /cy	52,850 52,850
	CONCRETE 1.027.001 Labor hours			202,598

17,063.00 eqft 1,027.001 Labor hours

04

03

4000.000	MASONRY				
4210.100	Brick: All Types			· · · · · · · · · · · · · · · · · · ·	
	10 Note 11 Brick Veneer Type 1	2,302.00	soft	28.00 /sqft	64,456
	10 Note 12 Brick Veneer Type 2	437.00	sqft	28.00 /sqft	12,236
	Brick: All Types		• •		76,692
4220.100	Conc. Block 10"				
lw 1	Note 11 Blk 12" CMU Back-up	2,302.00	sqft	20.00 /sqft	46,040
lw 1	Note 11 Blk 12" CMU Back-up	437.00	eqft	20.00 /sqft	8,740
lw 1	Note 8 Blk 12" CMU Back-up @ cast Stone	810.00	sqft	20.00 /sqft	16,200
lw 1	Note 22 Blk 12" CMU Back-up @ cast Stone Water Table	268.00	eqft	20.00 /sqft	5,360
	Conc. Block 10" 330.81 Labor hours			-	76,340
4220.110	Conc. Block: 8"				
rw 1	8" CMU Interior Wall	8,138.00	aqft	16.00 /aqft	130,206
	Cona. Block: 8"	·	•	• –	130,208
4440.400	Stone Misc.				
	10 Note 22 Cast Stone Water Table	134.00	H	114.00 /lf	15,276
	10 Note 8 Cast Stone Band	405.00	lf .	65.00 /lf	26,325
	Stone Misc.	•		•	41,601
	179.67 Labor hours				,
	MASONRY				324,841
	510.474 Labor hours				-
	04		· · · · · · · · · · · · · · · · · · ·	19.04 /sqft	324,641

17,083.00 sqft 510.474 Labor hours

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5000.000

METALS

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1 Page 24 9/16/2011 11:12 AM

				Total	11-12-13-13
	Description	Takeoff Qty		Unit Cost	Amount
	Structural: W Shapes	1.00	Δllo	5 000 00 /Allo	5,000
	Structural: W Shapes		70		5,000
10	Structural: Steel Deck Metal Floor Deck	3.335.00	вf	2.45 /sf	8,171
	Metal Joists/Roof Deck	17,083.00	af	7.50 /sf	127,973
	Structural: Steel Deck				136,143
10	Misc: Misc Metels Misc Metals	1.00	Allo	10,000.00 /Allo	10,000
	Misc: Misc Metels			· <u>-</u>	10,000
	1.00 Labor hours				
10	Steirs: Steir Parts Metal Pan Steirs & Reillings	2.00	fita	10,500.00 /ffts	21,000
	Stairs: Stair Parts			,	21,000
	METALS 41.00 Labor hours				172,143
	05			10.09 /sqft	172,143
	17.063.00 soft				
	41.00 Labor hours				
	08				
	WOOD & PLASTICS		•		
	Blocking: Misc.				
	Roof Blocking Blocking: Misc.	740.00	init	5.00 /inft	3,700 3,700
	Arch Wd Wrk: Cabineta				
101		28.00	Ħ	75.00 /lf	2,100 2,100
	WOOD & PLASTICS				5,800
	08			0.34 /aaft	5,800
				-10-1-04-0	-,
	-				
	07				
	THERMAL & MOISTURE PROT				
	Dempproofing: VeprBerrier Poly Vapor Barrier @ SOG	17,063.00		0.75 /sf	12,797
	10	Structural: W Shapes Steel to Support Mazzanine Structural: W Shapes Structural: Steel Deck 10 Metal Floor Deck 20 Metal Joiste/Roof Deck Structural: Steel Deck Misc: Misc Metals 10 Misc: Misc Metals 1.00 Labor hours Steirs: Stair Parts 10 Metal Pan Stairs & Railings Stairs: Stair Parts 40.00 Labor hours METALS 41.00 Labor hours 05 17,063.00 eqft 41.00 Labor hours 08 WOOD & PLASTICS Blocking: Misc. Roof Blocking Blocking: Misc. Arch Wd Wrk: Cabineta 101 Solid Surface Countertops @ Toilets Arch Wd Wrk: Cabineta WOOD & PLASTICS 06 17,063.00 sqft	Structural: W Shapes Steel to Support Mazzanine Structurel: W Shapes Structurel: W Shapes Structurel: Steel Dock 10 Metal Floor Deck 20 Metal Joiata/Roof Deck Structural: Steel Dock Misc: Misc Metals 10 Misc Metals 11 Misc Metals 1.00 Labor hours Steirs: Steir Parts 10 Metal Pan Steirs & Railings Stairs: Steir Parts 40.00 Labor hours METALS 41.00 Labor hours 05 17,063.00 aqft 41.00 Labor hours 08 WOOD & PLASTICS Blocking: Misc. Roof Blocking Blocking: Misc. Arch Wd Wrk: Cabinete 101 Solld Surface Countertops @ Toilets Arch Wd Wrk: Cabinete WOOD & PLASTICS 06 17,063.00 aqft 07	Structural: W Shapes Steel to Support Mazzanine Structurel: W Shapes Structurel: W Shapes Structurel: Steel Deck 10 Metal Floor Deck 20 Metal Joista/Roof Deck Structurel: Steel Deck Misc: Misc Metals 10 Misc: Misc Metals 100 Labor hours Steirs: Steir Parts 10 Metal Pan Stairs & Railings Stairs: Steir Parts 40.00 Labor hours METALS 41.00 Labor hours 05 17,083.00 eqft 41.00 Labor hours 08 WOOD & PLASTICS Blocking: Misc. Roof Blocking: Misc. Roof Blocking: Misc. Arch Wd Wrk: Cabinets 101 Solld Surface Countertops @ Toilets Arch Wd Wrk: Cabinets WOOD & PLASTICS 08 17,083.00 eqft	Structural: W Shepes Steel to Support Mazzanine 1.00 Allo 5,000.00 /Allo Structural: W Shepes Structural: Steel Deck 3,335.00 sf 2.45 /ef 2.45 /ef

Standard Estimate Report

RCSD Modernization

item		Description	Takeoff Qty	,	Total Unit Cost	Amount
		Dampproofing: VaprBerrier 7.202 Labor hours			·	22,340
7210.040	70	Insulation: Board Expanded Polystyrene 2 "	3,817.00	8f	1.85 /af	7,061
		Insulation: Board	• •			7,061
		76.34 Labor hours				
7510.030		Membrane: BUR Bitumen	40 800 00		04.00 (
1 20		Note 2 4 Pty Bur Foof System Membrane: BUR Bitumen	18,523.00	aqft	24.00 /sqft	444,552 444,552
		Manuaro, Dort Examen				717,002
7840.000		Firestopping		- 44		
		Firestopping	1.00	Allo	2,500.00 /Allo	2,500
		Firestopping				2,500
7920.010		Sealant - Jt Filler Gaskt	4.00	Alla	2 500 00 /Alla	2 500
		Joint Sealants Sealant - Jt Filler Geskt	1.00	Allo	2,500.00 /Allo	2,500 2,500
		See of File Sesti				2,000
		THERMAL & MOISTURE PROT				478,953
		83.542 Labor hours				
		07			28.07 /sqft	478,953
		17,063.00 eqft				
		83.542 Labor hours				
		08				
9000.000		DOORS & WINDOWS				
3100.000		Doors: Metal With Frames				
700.000	20	HM Frame (Single)	19.00	ea	204.782 /ea	3,891
	20	HM Frame (Double)	10.00	e ₽	279.762 /ea	2,798
	100	Note 2 Aluminum Entrance Doors	2.00	88	3,500.00 /ea	7,000
	100	Aluminum Vestibule Doors	2.00	ea	3,500.00 /ea	7,000
	100	Aluminum Lobby Doors Doors: Metal With Frames	4.00	ea	3,500.00 /ea	14,000 34,689
		74.00 Labor hours				34,009
210.010		Doors: Wood				
b228		3'-0" x 7'-0"	39.00	88	429.782 /ea	16,762
		Doors: Wood				16,762
		78.00 Labor hours				
400.000		Metal-Framed Storefronts	_	_		
•	10	Note 2 Aluminum-Framed Storefronts Metal-Framed Storefronts	290.00	sf	60.00 /sf	17,400
		metar rante etalenents				17,400
510.010		Windows: Metal			_	
	20	Note 9 Aluminum Awning Window	387,00	8f	65.00 /sf	25,155
		Windows: Metal				25,155
900.010		Glazed Curtain Wells			•	
	10	Note 1 Metal Framed Curtain Wall W Double	1,2†5.00	8f	85.00 /sf	103,275
		Hung Windows	•			

fa	B - 4					
item	Description	Takeoff Qty	'	Unit Cost	Amount	
	Glazed Curtain Walls				103,275	
	DOORS & WINDOWS 152.00 Labor hours				197,280	
	08			11.562/sqft	197,280	
	17,063.00 sqft 152.00 Labor hours	•				
	09					
000.000	FINISHES			· .		
110.020	Tile: Moseics					
:	20 Ceramic Floor Tile	750.00	af	12.00 /sf	9,000	
2	20 Ceramic Tile Walls		8f	14.00 /ef	28,938	
	20 Porcelain Tile Base	289.00	lf	14.00 /lf	4,046	
;	20 Quarry Tile Floor	2,163.00	əf	14.00 /ef	30,262	
	Tile: Mosaics				72,266	
00.000	Terrazzo					
	10 Precast Terrazzo	3,124.00		16.00 /af	56,232	
•	11 Terrazzo Cove Base	818.00	If	25.00 /lf	<u> 15,450</u>	
	Тептахо				71,682	
11.050	Ceiling: 2x4 Tile					
•	10 ACT-1 2x2 Ceiling	13,814.00	8f	3.75 /sf	51,803	
•	Ceiling: 2x4 Tile				51,803	
40.010	Flooring Wood					
	10 Wood Base	1 96 .00	8f	14.00 /sf	2,744	
1	0 Wood Flooring @ Stage	1,150.00	sf	14.00 /sf _	16,100	
	Flooring Wood				18,844	
50.010	Flooring Resilient					
	10 Sheet Linoleum Floor	4,320.00		3.50 /ef	15,120	
	O Rubber Floor Tile	603.00	ef	3.50 /af	2,111	
•	O Rubber Base	1,217.00	If	2.20 /ff _	2,677	
	Flooring Resilient				19,908	
80.010	Flooring Carpet					
	6 Carpet Tile	354.78	89	35.00 /ay	12,417	
	Flooring Carpet				12,417	
10.020	Painting: Int Detailed					
	5 Paint CMU Block	16,276.00	af	1.00 /af	16,276	
	Painting: Int Detailed				16,276	
	FINISHES				263,195	
	09	····		15.43 /sqft	263,196	

17,063.00 sqft

Page 27 9/16/2011 11:12 AM

					Total		
Item		Description	Takeoff Qty		Unit Cost	Amount	
		10					
0000.000		SPECIALTIES					
10160.010		Toilet Compartments			4 000 00 /5-	41.000	
	30	Phenolic Tollet Compartments	11.00	ea	1,000.00 /ea 1,275.00 /ea	11,000 2,550	
	31	Phenotic ADA Toilet Compartments	2.00 3.00	88 88	725,00 /ea	2,175	
	41	Urinal Screen	3.00	00		15,725	
		Tallet Compartments				,5,.25	
10800.010		Misc Tollet/Beth Equip					
10000.010	80	Soap Dispenser	8.00	0 8	75.50 /ea	604	
	82		13.00	ęa	34.50 /ea	449	
	84		3.00	68	545.00 /ea	1,635	
	90	Mirror	8.00	ea	238.00 /ea	1,904	
	100	Grab Ber	4.00	88	56.00 /ea	224 4,816	
		Misc Toilet/Beth Equip				4,010	
		SPECIALTIES	-		<u> </u>	20,541	
12000.000		FURNISHINGS					
		Elecution .		•			
12000.010	40	Floor Mats Entrance Mats	319.00	saft	9.50 /sqft _	3,031	
	10	Floor Mats	\$13.23	• •	· -	3,031	
)-1001 Na(a				· 	
		FURNISHINGS				3,031	
		10			1.381/sqft	23,571	
		17,063.00 sqft					
		·					
		11					
11000.000		EQUIPMENT		<u>-</u> .			
11060.010		Equip: Theater & Stage			05 000 00 (ee	25,000	
	140	Stage Curtains	1.00		25,000.00 /ea 150,000.00 /Allo	1 <u>50,000</u>	
		New Stage Curtain & Rigging	1.00	AllU	130,000.00 /Allo _	175,000	
		Equip: Theater & Stage				,,,,,,,,,	
11400.010		Equip: Commercial Food				100.000	
_		Kitchen Equipment	1.00	Allo	400,000.00 /Allo	400,000	
		Equip: Commercial Food				400,000	
,		EQUIPMENT				575,000	
					33.70 /sqft	575,000	
		11			sarro redir	41 5,501	

17,063.00 eqft

Standard Estimate Report

9/18/2011 11:12 AM

RCSD Modernization

	Barantettar		W.L 47 C1		Total		
item		Deacription	Takeoff Qty	•	Unit Cost	Amount	
		12					
2000.000		FURNISHINGS					
12490.010	· -	Window Treatments					
	20	Louver Blinds Window Treatments	387.00	sqft	12.00 /eqft	4,644 4,644	
		FURNISHINGS				4,644	
		12	**************************************		0. 272/s qft	4,644	
		17,083.00 eqf t					
		16					
16010.000		GENERAL CONDITIONS					
16010.050		INSURANCE & BONDS			· · · · · · · · · · · · · · · · · · ·		
1	55	Bond, Subcontractor, avg. \$10.00 per \$1000 INSURANCE & BONDS	363.00	k	10.00 /k	3,630 3,630	
18010.080	45	MOBILIZE/DEMOBILIZE	4.00	la.	5 000 00 d-	5 000	
1	10	Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	113	5,000.00 /le	5,000 5,000	
		GENERAL CONDITIONS				8,630	
16050,000		BASIC MATERIALS & METHODS					
16060.810	_	Lightning Protection			_		
	. 5	Lightning Protection Lightning Protection	17,063.00	sqft	0.25 /sqft _	4,266 4,266	
		BASIC MATERIALS & METHODS				4,266	
6130.000		RACEWAY, FITTINGS & BOXES					
6132,156		FEEDER CONDUIT/WIRE					
	17	HVAC Equipment Power	17,063.00		1.50 /sqft	25,595	
	17	Kitchen Equipment Power FEEDER CONDUITWIRE	1.00	Allo	10,000.00 /Allo _	10,000 35,595	
		RACEWAY, FITTINGS & BOXES				35,595	
6140.000		WIRING DEVICES				33,080	
		DECERTACION DI ANG TARE	<u>-</u>				
6140.150	5	RECEPTACLES, BLADE TYPE Condult and Wire for Electrical Power	17,083.00	sqft	1.00 /sqft	17,063	
· I		Receptacles	17,063.00	sqft	1.65 /sqft	31,567	

9/18/2011 11:12 AM

			m_1 44 -54		Total		
ltem		Description	Takeoff Qty		Unit Coat		Amount
		RECEPTACLES, BLADE TYPE				_	48,630
		65,811.991 Labor houre					
		WIRING DEVICES					48,630
		65,811.991 Labor hours					
510.000		LIGHTING					
510.440		Flourescent Fixtures					
		Lighting	17,063.00	sqfl	7.00		119,441
		Emergency Lighting	17,063.00	aqft	1.00		17,063
		Lighting Control System	17,063.00	aqft	0.50	/sqft	8,532
		Theatrical Lighting Allowance	1.00	lsum	40,000.00	/isum _	40,000
		Flourescent Fixtures					165,036
		LIGHTING					185,036
700.000		SPECIAL SYSTEMS					
720.310		FIRE ALARM SYSTEM					
-0 -002	495	Fire Alarm System	17,063.00	aqft	× 2.50	/sqft	42,658
		FIRE ALARM SYSTEM					42,656
720.320		Security System			0.45	(B	0.550
		Security System Access Control Conduits	17,063.00	sqft		/sqft	2,559
	45	CCTV System Conduits	17,063.00	aqft	0.10	/sqπ	1,706
		Security System 115,175.250 Labor hours					4,286
							,
720.330	_	Clock/Program System	47.082.00	4	0.25	leaft	4,266
	5	Clock System	17,063.00	sqft	0.25	/aqit _	4,266
		Clock/Program System 10,237.800 Labor hours				•	7,200
700 240		SOUND/PAGING SYSTEM					•
720.340	F	PA System	17,063.00	sqft	0.25	/sqft	4,286
	5	Stage/Cafeteria Sound System	1.00	Allo	25,000.00	•	25,000
	J	SOUND/PAGING SYSTEM				<u>-</u>	29,266
720.420		TELE/DATA SYSTEM		_	_		
	5	Tele/Data/CATV Conduits	17, 083 .00	sqft	0.25	/sqft _	4,266
		TELE/DATA SYSTEM				•	4,266
		SPECIAL SYSTEMS 125,413.050 Labor hours					84,721
		16	<u> </u>		21.501	fpe)	366,876
		17;8 8 3.00 sqft					
		191,225,041 Labor hours	-				

02D

1730.000

DEMOLITION

1739.040

15617.000

Terminal Heat/Cool Units

Standard Estimate Report RCSD Modernization

Page 30 9/16/2011 11:12 AM

					Total	
ltem		Description	Takeoff Qty		Unit Cost	Amount
1739.040		Demo: Finishes, Walls				
П	30	Demo for Addition Tie-in	1.00	Allo	5,000.00 /Allo	5,000
		Demo: Finishes, Walls 0.10 Labor hours	•			5,000
		DEMOLITION 0.10 Labor hours				5,000
	-	02D			0.293/sqfi	5,000
		17,083.00 eqft 0.10 Labor hours			•	
028						
				•		
2300.000		EARTHWORK				
2317.105		Building Excavation				
Married States		Building Earthwork - Excav, Backfill & Subbase Addition	17,063.00	sqft	3.25 /sqft	55,455
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Building Excavation	a property of the fire of the control of the contro			55,455
		EARTHWORK				55,455
		028			3.25 /eqft	55,455
		17,063.00 aqfi				
15FP		:		•		
15000.000		FIRE PROTECTION				
45044.000	· - •		<u></u>			
1 5011.000	34 0 4 V	Fire Protection Piping Vet Sprinkler System	17,063.00	sqft	2.90 /sqft	49,483
		Fire Protection Piping	,	• •		49,483
		FIRE PROTECTION				49,483
		15FP	· · · · · · · · · · · · · · · · · · ·		2.90 /eqft	49,483
		17,063.00 aqft				
15H						
15500.000		HVAC			_	
5500.100		HVAC GENERAL				
		londs and insurances		leum	0.02 /lsum	8,753
	00 03 G	Senral Conditions	437,6 66 .00	sum	0.08 /laum	35,013
		HVAC GENERAL				43,767

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で) Page 31 0/16/2011 11:12 AM

					Total	
ltem		Description	Takeoff City		Unit Cost	Amount
15617.000	7200	Terminal Heat/Cool Units Cabinet Heaters , FT rediation, Hydronic Heating	17,063.00	fipe	0.85 /sqft	14,504
		Terminal Terminal Heal/Cool Units				14,504
15650.000	4400	Air Handling Units	17,063.00	sqft	2.63 /sqft	44,876
		Gas Fired Make-up Air Systems VAV AHU Systems	17,083.00	each	7.50 /each	127,973
	1130	Air Handling Units 409,512.000 Labor hours	,			172,848
15730.000		Heating Water Piping	4- 405 45	0	4.00 /008	20,476
	1103		17,063.00	sqft	1.20 /sqft 1,20 /sqft	20,476
	1103		17,063.00	sqft	1.20 /8qn	40,951
		Heating Water Piping 8,190.240 Labor hours				40,501
15830.000	2004	Fans Exhaust Fan Systems, duct and louver	17,063.00	sqft	4.94 /sqft	84 <u>,291</u>
	2001	Fans	***		•	84,291
15840.000	4001	Air Terminal Units VAV Variable*Air Volume HW Reheat, No	17,083.00	fîpa	2:50 /sqft	42,658
		Controls Air Terminal Units			_	42,658
		51,189.000 Labor hours				
15850.000	5400	Air Outlets & Inlets Roof Combustion Air Systems	17,063.00	sqft	0.33 /sqft	5,631
	5100	Air Outlets & Inlets 8,531.50 Lebor hours	.,,======	·	_	5,631
15940.000		HVAC inst. and Conrols				
13840.000	1810	HVAC Controls	17,063.00	sqft	4.00 /sqft	66,252
	1010	HVAC Inst. and Conrols				68,252
		HVAC 477,422.740 Labor hours				472,901
					27.72 /eqft	472,901
		15H			,-	·
		17,083.00 sqft 477,422.740 Labor hours				
16P		·				
15200.000		PLUMBING		<u>-</u>		
15200.100		PLUMBING GENERAL				
GC01		Bonds and Insurances	135,617.00	Isum	0.02 //sum	2,712
GC02		General Conditions	135,817.00	isum	0.08 /laum	10,849
		PLUMBING GENERAL				13,562
15310.000		Domestic Weter Piping	47 002 00	R ng	1.75 /sqft	29,860
	1105	Domestic Water Piping	17,063.00	eqft	1.70 rayit	20,000

		•
RCSD	Modernization	

					Total	
ltem		Description	Takeoff Qty		Unit Cost	Amount
		Domestic Water Piping				29,860
15320.000		Sanitary Waste/Vent Ppg.				
	5708	Sanitart Drain Piping Sanitary Waste/Vent Ppg.	17,063.00	fips	1.50 /sqft	25,595 25,595
15330.000		Storm Dreinage Piping				,
	5709		17,063.00	sqft	1.50 /sqft	25,595
		Storm Dreinage Piping	·	•		25,595
15340.000		Netural Ges Piping				
	3308	Gas Piping	17,063.00	sqft	0.47 /sqft	8,020
		Natural Ges Piping				8,020
15360.000	1000	Fixture Rough In	47.000.00			
		Rough In, Plumbing Fixtures Plumbing Fixture Final Hook Up	17,063.00 17,063.00	sqft sqft	0.77 /sqft 0.87 /sqft	13,070
	5555	Fixture Rough in	17,000.00	aqıı	0.07 78411	11,381 24,451
15410.000		Plumbing Fixtures				
	1000	Pfumbing Fixtures	17,063.00	8qft	0.56 /sqft	9,811
1977		Plumbing Fixtures	And the second second			9,811
15440.000		Domestic Water Heaters				
	2100		17,063.00	sqft	0.52 /sqft	8,873
	9100	Hot Water Storage	17,083.00	sqft	0.20 /sqft	3,413
		Domestic Water Heaters				12,285
		PLUMBING				149,178
		15P			8.743/sqft	149,178
		17,063.00 sqft				
		Music/Cafe Add			209.65 /sqft	3,577,226

17,063.00 saft 870,461.90 Labor hours

Renovation

1000.000	GENERAL REQUIREMENTS				
1000.100	Division 1 Subcontractors				
	10 GC Gen Conditions 6%	1.00	lsum	227,958.00 /lsum	227,958
	10 GC Fee 4%	1.00	lsum	151,971.00 /lsum	151,971
	Division 1 Subcontractors				379,929
	GENERAL REQUIREMENTS			·	379,929
	01			4.764/sqft	379,929

Page 33

				Total		
ltem	Description	Takeoff Qty		Unit Cost	Amount	
	01			4.764/eqft	379,929	
	79,743.00 sqft					
	03					
000.000	CONCRETE					
310.210	Conc: Slabs On Grads					
c 40 c 40	Note 11 5" S.O.G. Conc Note 11 Flowable Fill @ Former Cafeteria / Mult	4,907.00 4,876.00		5.00 /sf 4.00 /sf	24,535 19,504	
	Purpose Rm Conc: Stabs On Grade	•		·	44,039	
	CONCRETE				44,039	
	03			0.552/sqft	44,039	
•	79,743.00 eqft			The second of the second secon	- oper	
000.000	MASONRY					
210.100	Brick: All Types					
	10 Note 11 Brick Veneer Type 1 Brick: All Types	95.00	sqft	28.00 /sqft	2,660 2,660	
220,100	Canc. Block 10"			•		
lw 1	Blk 12" CMU Interior Wall	6,087.00	sqft	18.00 /sqft	109,588	
lw 1	Note 8 Blk 12" CMU Back-up @ cast Stone	34.00 95.00	sqft sqft	18.00 /sqft 18.00 /sqft	612 1,710	
lw 1 lw 1	Note 11 Bik 12" CMU Back-up Note 8 Reinforce Existing CMU Wall W/ #5 Bars @ 48" OC	888.00	each	30.00 /each	26,640	
	Conc. Block 10" 615.68 Labor hours				138,528	
220.110	Canc. Block: 8"					
rw 1	6" CMU Interior Wall Conc. Block: 8"	20,491.00	sqft	14.00 /sqft	286,674 286,874	
220.130	Cone. Block: 4"		_			
rw 1	Blk 4" CMU interior	2,127.00	8qft	12.00 /sqft	25,524	
	Conc. Block: 4" 212.70 Labor hours				25,524	
140.400	Stone Misc.	4 m a.c.	.,	05 AA 81	a-	
	10 Note 8 Cast Stone Band	17.00 148.00		65.00 /lf 65.00 /lf	1,105 9,620	
	10 Note 11 Cast Stone Band Stone Misc.	140.00	,,		10,725	

THEPIKECOMPANY

55.00 Labor hours

					Total		
ltem		Description	Takeoff Qty	•	Unit Coat	Amount	
		MASONRY				464,311	
		883.38 Labor hours				-	
		04			6.823/eqft	484,311	
		79,743.00 sqft 883.38 Lebor hours					
		05					
5000.000		METALS					
5500.010		Misc: Lintels					
	10	Steel Lintels @ Enlarged Door OpenIngs Misc: Lintels	166.00	ea	240.76 /ea	39,969 39,969	
		332.00 Labor hours					
and the second s		METALS 332.00 Lebor hours	:			39,969	
		05			7pe\108.0	39,969	
		79,743.00 eqft 332.00 Labor hours			·		
		06					
5000.000		WOOD & PLASTICS			_		
6117.020		Blocking: Misc.					
-		Roof Blocking 2x8 Blocking: Misc.	784.00	inft	5.00 /Inft	3,820 3,820	
3410.010		Arch Wd Wrk: Cabinets					
		Circulation Desk	23.00	IF	550.00 /H	12,650	
		Library Bookshelves Plam Sase Cabinet W/ Lockable Doors @ Classroom	70.00 175.00	ee If	350.00 /ea 345.00 /ff	24,500 60,375	
	10	Wall Cabinet W/ Lockable Doors @ Classroom	175.00	lf	200.00 /lf	35,000	
	10	Book Drop Sox	1.00	 88	1,000.00 /ea	1,000	
		P-Lam Countertops	191,00	lf	45.00 /lf	8,595	
		P-Lam Countertops @ Science Room	106.00	lf	45.00 /lf	4,770	
	101	. —	175.00	H	75.00 /lf	13,125	
		Cubbles (30) ea / Clasroom (10 lf / Classroom) Storage Units 24" x 3'-6" x 8' High W/ 7	250.00 50.00	H	65.00 /lf	18,250	
	130	Adjustable Shetves Lockable Doors	50.00	ea .	750,00 /ea	37,500	
	130	Storage Units 12" x 3'-6" x 6' High W/ 7 Adjustable Shelves Lockable Doors	66.00	88	450.00 /ea	29,700	
		Arch Wd Wrk: Cabinets 368.00 Labor hours			 -	243,465	

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366.00 Labor hours

Draft

Page 35 9/16/2011 11:12 AM

	·	•		Total			
ltem	Description	Takeoff Qty		Unit Cost	Amount		
	06			3.101/sqft	247,285		
	79,743.00 eqft						
	366.00 Labor hours						
	07			_			
000.000	THERMAL & MOISTURE PROT						
510.030	Membrane: BUR Biturnen		_	00.00 1.40	740.000		
120	Note 7 Replace BU Coal Tar & Gravel Roof		sqft	26.00 /sqft . 500.00 /ea	710,606 500		
1 20	Remove Roof Hatch/Ladder/ Fill Opening Membrane: BUR Bitumen	1.00	88	500.00 rea	711,106		
	THERMAL & MOISTURE PROT				711,106		
	07	· · · · · · · · · · · · · · · · · · ·		8.92 /sqft	711,108		
					e suggested		
	08						
3000.000	DOORS & WINDOWS						
3100.000	Doors: Metel With Frames						
	20 HM Frame (Single)	166.00	68	204.782 /ea	33,994 3,078		
	20 HM Frame (Double)	11.00	68	279.782 /ea			
	20 HM Frame (Single) 3'-0" x 7'-10" @ Corridor	95.00	88	229,762 /ea 279,762 /ea	21,829 3,078		
	20 HM Frame (Double) 6'-0" x 7'-10" @ Corridor	11.00	ea	279.76 /ea	560		
	20 HM Frame (Double) @ Bi-Fold Door	2.00	68	3,500.00 /ea	7,000		
	100 Note 2 Aluminum Entrance Doors	2.00 1.00	68 68	1,000.00 /ea	1,000		
	100 Note 19 Aluminum Frame 6'-0" x 7'-0"	2,00	68 68	1,000.00 /ea	2,000		
	100 Note 19 Aluminum Frame 6'-0" x 7'-0"	2.00	CA	1,000.00 700 _	72,538		
	Doors: Metal With Frames 580.00 Labor hours				, ,,,,,,,,		
3110,020	FRP Door 10 Note 19 FRP Doors	2.00	ee	998.74 /es	1,993		
	FRP Door 4.00 Labor hours			-	1,993		
2040.040	Doors: Wood						
3210.010 b226	3'-0" x 7'-0"	71.00	68	429.782 /ea	30,515		
	Doors: Wood 142.00 Labor hours				30,515		
3350.010	Doors: Folding	2.55	ند	000 07 /	E07		
	10 Door Bifold	2.00	ea	296.37 /ea	597		
	Doors: Folding 2.00 Labor hours				597		
360.010	Doors: Overhead	r 1.00	8 0	2,500.00 /ea	2,500		
	20 Note 20 Motorized Sectional Overhead Doo	1.00	94	E1000.00 100	2,000		

		•
RCSD	Modernization	

ltem		Description	Takeoff Qty	•	Unit Cost	Amount
		Doors: Overhead			-	2,500
8400.000		Metal-Framed Storefronts				
		Note 2 Aluminum-Framed Storefronts	29.00	sf	60.00 /sf	1,740
	10	The state of the s	148.00	8f	60,00 /sf _	8,880
		Metai-Framed Storefronts				10,620
8700.000	45	Herdwere: Finishing	400.00			
	- 10	Finishing Hardware Hardware: Finishing	188.00	ea	504.762 /ea	94,899
•		188.00 Labor hours				94,899
8900.010		Giazed Curtain Wells			•	
	10	Note 16 Metal Framed Curtain Wall	308.00	əf	85.00 /sf	26,180
	10	The state of the s	1,876.00	əf	85.00 /sf	159,460
		Glazed Curtain Walls				185,640
		DOORS & WINDOWS				399,302
-		916.00 Labor hours				
		08			5.01 /eqft	399,302
		79,743.00 eqft	•			
		916.00 Labor hours				
9000.000		FINISHES				
9134,010		GWB: WALL BOARD SYSTEMS				
0.04.0.0	30	GWB Celling/Soffit	10,470.00	sf	10.00 /sf	404 700
	30		1,118.00		14.00 /sf	104,700 15,624
		Library	.,		14.00 151	15,024
		GWB: WALL BOARD SYSTEMS			_	120,324
9310.020		Tile: Moséica				
		Ceramic Tile Walls	7,317.00	ef	14.00 /sf	102,438
	20		34.00	lf	14.00 /if	476
	20		2,393.00	sf	12.00 /sf	28,716
		Porcelain Tile Walie	23,187.00	sf	14.00 /sf	324,618
	20	Ceramic Tile Walls	7,317.00	sf	14.00 /sf	102,438
		Tile: Mosaics				558,686
9400.000		Terrazzo				
		Precast Terrazzo	12,487.00	sf	18.00 /af	224,766
	11	Terrazzo Cove Base	3,004.00	lf	25.00 /lf	75,100
		Теггагго			 -	299,866
9511.050		Ceiling: 2x4 Tile				
		ACT-1 2x2 Ceiling		sf	3.75 /sf	188,629
	10	ACT-1 2x4 Ceiling	157.00	8f	3.75 /sf	589
		Ceiling: 2x4 Tile				189,218
9650.010	10	Flooring Resilient Rubber Floor Tile	0.000.00		- :	
	10	Marmoleum Composition Tile		sf 	3.50 /sf	8,043
	40	Rubber Base		ef If	3.50 /sf	146,993
			9,480.00	lf.	2.20 /lf	20,858

Draft

Page 37 9/16/2011 11:12 AM

135,933

						Total	
item		Description	Takeoff Qty		Unit Cost		Amoun
		Flooring Resilient					175,892
0670.010		Flooring Epoxy					
7070.070	10	Sealed Concrete	4,233.00	sf	2.00	/af	8,466
		Flooring Epaxy	.,=====				8,466
9680.010		Flooring Carpet					54.44
	6	Carpet Tile	696.56	sy	35.00	/sy	24,449
		Flooring Carpet					24,446
910.020	_	Peinting: Int Detailed	02.020.00		1.00	ind	65,936
	5	Paint CMU Block	65,936.00	8f ~f	1.00		2,230
	5	Epoxy Paint CMU Block	2,230.00	र्ग न			
	5	Paint Bare Ceiling	7,352.00		1.00 1.00		7,352 21,1 <i>6</i> 2
	5	Paint GWB	21,152.00	8f ef	1.00		11,586
	5	Paint GWB Ceiling Painting: int Detailed	11,586.00	sf	1.00	r a 1	108,256
		FINISHES					1,485,159
		09			18.624	eqft	1,485,156
		en e			in the second		
		79,743.00 sqft					
		10					
10000.000		SPECIALTIES					
10100.010		Visual Display Boards					
	80	6' x 4' White Board @ Claseroom	25.00	ea	1,000.00	/es	25,000
	80	6' x 4' White Board @ Science Rm	6.00	ea	1,000.00		6,000
	80	4' x 4' White Board @ Science Rm	3.00	0 8	500.00		1,500
	80	3' x 4' Fixed Tackboard	1.00	ea	140.40		140
		Pulldown Screens @ Library	2.00	ea	1,500.00	/ea	3,000
		Visual Display Boards			·	,	35,640
10160.010		Toilet Compartments					
	30	Phenotic Toilet Compartments	7.00	68	1,000.00		7,000
	31	Phenolic ADA Toilet Compartments	6.00	ea	1,275.00		7,660
	41	Urinal Screen	4,00	88	725.00	/ea	2,900
		Tollet Compartments					17,550
0500.010	4=	Lockers	192.00		275.00	/oo	go onn
	10	Hall Locker	192.00	ea	2/0.00	, ÇE	52,800
		Lockers					52,800
0800.010	ደሰ	Misc Tollet/Bath Equip Soap Dispenser	36.00	68	75.50	/ea	2,718
	84		13.00	ea	545.00		7,085
		SS Waste Rec./Paper Towel Disp.	20.00	68	545.00		10,900
	84 90	Mirror	36.00	68	238.00		8,566
		Grab Bar	12.00	68	56.00		672
	100	Misc Toilet/Bath Equip	12.00		30.00		29,943
		mas toropadir Equip					405.000

THEPIKECOMPANY

SPECIALTIES

Page 38 9/16/2011 11:12 AM

19,936

					4 Total		
Item		Description	Takeoff Qty	•	Unit Cost	Amoun	
		10			1.71 /aqft	135,933	
		79,743.00 eqft	1				
		12					
12000.000		FURNISHINGS					
12300.010		Manufactured Casework					
	70	Science Lab Casework Wall Cabinets	152.00	lf	345.00 /lf	52,440	
		Science Lab Casework Base Cabinets	290.00	lf	200.00 /lf	58,000	
	70	28x98x30 Sink Unit @ Science Room	2,00	ea	1,200.00 /ea	2,400	
		Manufactured Casework				112,840	
		FURNISHINGS				112,840	
		12			1.42 /sqft	112,840	
		79,743.00 sqft					
		16					
16010.000		GENERAL CONDITIONS					
16010.050		INSURANCE & BONDS					
n	55	Bond, Subcontractor, avg. \$10.00 per \$1000	1,768.00	k	10.00 /k	17,680	
		INSURANCE & BONDS	.,		_	17,680	
16010.060		MOBILIZE/DEMOBILIZE					
l	15	Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	ls	5,000.00 //s	5,000 5,000	
6010.190		TEMPORARY UTILITIES				.,	
1	37	Allow, panelboards for temp power to 225A	1.00	ea	1,250.00 /ea	1,250	
- 1	50	Allow, Temp.Power & Lights	79,743.00	sqft	0.25 /sqft	19,936	
		TEMPORARY UTILITIES				21,186	
6020.110		Demo Existing Electrical					
	5	Electrical	79,743.00	aqft	0.50 /sqft	39,872	
		Demo Existing Electrical 797.43 Labor hours				39,872	
		GENERAL CONDITIONS 797.43 Labor hours				83,737	
6050.000		BASIC MATERIALS & METHODS					
6060.810		Lightning Protection					
	5	Lightning Protection	79,743.00	sqft	900/ 300	10.020	
		Eightying Flytodott	10,140.00	ayıt	0.25 /sqft	19,936	

THEPIKECOMPANY

Lightning Protection

Page 39 9/18/2011 11:12 AM

					* Total	
Item		Description	Takeoff Qty		Unit Cost	Amount
		BASIC MATERIALS & METHODS				19,936
16130.000		RACEWAY, FITTINGS & BOXES				
· ·						
16132,156	۵	FEEDER CONDUIT/WIRE 1200A Underground Secondary Feeder	100.00	If	430.79 /lf	43,079
		Misc Feeders	79.743.00	 saft	2.00 /saft	159,486
		HVAC Equipment Power	79,743.00	agft	1.50 /eqft	119,615
		200A EMT Feeder	4,400.00	lf .	36.421 /lf	160,254
		FEEDER CONDUIT/WIRE	.,	-		482,433
		337,152.740 Lebor hours				102,100
		RACEWAY, FITTINGS & BOXES			· · · ·	482,433
		337,152.740 Labor hours			•	
16140.000		WIRING DEVICES				
16140.150		RECEPTACLES, BLADE TYPE				
П	5	Conduit and Wire for Electrical Power	79,743.00	sqft	1.00 /sqft	79,743
1	5	Receptacles	79,743.00	sqft	4:85:/sqft	147,525
		RECEPTACLES, BLADE TYPE		•	· _	227,268
		307,568.751 Labor hours			·	·
		WIRING DEVICES				227,268
		307,588.751 Labor hours				
16400.000	.:	GEAR SCHEDULES				
16400.100		PANELS BY TYPE OR DESCRIPTION				
	25	200/225A Panelboard	22.00	88	2,659.174 /ea	58,502
	75	200 KW Generator	1.00	Isum	100,000.00 /leum	100,000
	75	Transfer Switches	2.00	each	5,000.00 /each	10,000
	75	1200A Switchboard	2.00	00	20,874.42 /ea	41,749
	155	PANELBOARD 208V 3PH 4W N1 MCB 100A	2.00	00	133.58 /ea	267
		PANELS BY TYPE OR DESCRIPTION 622.591 Labor hours				210,518
6400.200		Transformers by Type or Description				
- 100.600	5	Transformer T1 - 480 x 120/208v 300 kva	1.00	e a	3,061,40 /ea	3,061
	10	Transformer T2 - 480 x 120/208v 45 kva	1.00	ea	1,336.84 /ea	1,337
	- •	Transformer T2 - 480 x 120/206v 30 kva	1.00	88	1,136.84 /ea	1,137
		Transformers by Type or Description			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5,535
		22.00 Labor hours				0,000
		GEAR SCHEDULES				216,053
		644.591 Labor hours				
6510.000	<u></u>	LIGHTING				
		Flourescent Fixtures				
6510.440		Flourescent Futures				
6510.440 —		Hallway Lighting	14,988.00	sqft	3.86 /sqft	57,854
6510.440 — —			14,988.00 34,569.00	sqft sqft	3.86 /sqft 8.00 /sqft	57,854 276,712

Page 40 11:12 AM/2011

						I OTAL	
item		Description	Takeoff Qty		Unit Cost		Amoun
•		Flourescent Fixtures				, -	468,13
		LIGHTING				•	468,13
16700.000		SPECIAL SYSTEMS					
6720.310		FIRE ALARM SYSTEM		•			
• •	495	Fire Alarm System	79,743.00	sqft	2.50	/sqft	199,358
		FIRE ALARM SYSTEM				_	199,350
6720.320		Security System					
1		Security System Access Control Conduits	79,743.00	sqft	0.15	/sqft	11,981
1	45	CCTV System Conduits	79,743.00	sqft	0.10	/sqft _	7,974
		Security System					19,936
		538,265.250 Labor hours					
6720.330		Clock/Program System					
1	5	Clock System	79,743.00	sqft	0.25	/sqft _	19,936
		Clock/Program System 47,845.800 Labor hours					19,930
8720.340		SOUND/PAGING SYSTEM	Same of the Contract				
1	5	PA System	79,743.00	sqft	0.25	/eqft _	19,936
		SOUND/PAGING SYSTEM					19,936
6720.420		TELE/DATA SYSTEM					
1	5	Tele/Date/CATV Conduits	79,743.00	sqft	0.25	/sqft _	19,936
		TELE/DATA SYSTEM					19,936
		SPECIAL SYSTEMS					279,10
		586,111.050 Labor hours				N.	
6900.000		SITE WORK & MATERIALS					
8915.000		UNDERGROUND SERVICE CONDUIT					
	3	(2) 4"UNDGRD, PVC- PRIMARY SERV.	150.00	If	62.00	/If	9,299
		W/CONCRETE UNDERGROUND SERVICE CONDUIT				_	0.000
		93.45 Labor hours					9,299
6930.000		Pre-cast Concrete	•		•		
	180	Precast Elec Vault w/ Cover 5 X 10 X 7	1.00	ea	336.84	/ea	337
		Pre-cest Concrete	•			_	337
		6.00 Labor hours					
		SITE WORK & MATERIALS					9,636
		99.45 Labor hours					

79,743.00 sqft 1,232,374.012 Labor hours

02D

Page 41 9/16/2011 11:12 AM

Item Description Takeoff Qty Unit Cost 1730.000 DEMOLITION 1733.010 Demo: Concrete 270 Note 10 Remove Precast Concrete Panels 1,876.00 sf 270 Note 13 Remove Precast Band 146.00 if Demo: Concrete 434.40 Labor hours 101.20 Equipment hours 1734.010 Demo: Masonry	10.04 /sf 18.28 /lf	18,830 2,705 21,535
1733.010 Demo: Concrete 270 Note 10 Remove Precast Concrete Panels 1,876.00 sf 270 Note 13 Remove Precast Band 146.00 if Demo: Concrete 434.40 Labor hours 101.20 Equipment hours 1734.010 Demo: Masonry	18.28 /lf	2,705
270 Note 10 Remove Precast Concrete Panels 1,876.00 sf 270 Note 13 Remove Precast Band 146.00 if Demo: Concrete 434.40 Labor hours 101,20 Equipment hours 1734.010 Demo: Masonry	18.28 /lf	2,705
270 Note 13 Remove Precast Band 148.00 if Demo: Concrets 434.40 Labor hours 101.20 Equipment hours 1734.010 Demo: Masonry	18.28 /lf	2,705
Demo: Concrete 434.40 Labor hours 101.20 Equipment hours 1734.010 Demo: Masonry		
434.40 Labor hours 101.20 Equipment hours 1734.010 Demo: Masonry	0 02 /4	21,535
· · · · · · · · · · · · · · · · · ·	D DE Inf	
▼ ·	O DE INE	
140 Note 16~Remove Exterior Wall (CMU /Brick) 306.00 sf	6.65 /sf	2,109
140 Remove/ Patch CUM Raise Door Height From 371.00 sf 6'-" to 10'-0" High @ Corridor Doors	39.562 /sf	14,678
140 Note 15~Remove Non Load Bearing Well 10,284.00 sf	5.492 /sf	56,476
140 Note 17~Remove Portion Load Bearing Wall 879.00 sf	8.24 /sf	7,241
140 Note 14~Remove Non Load Bearing Wall 282.00 sf	5.492 /sf	1,549
Demo: Mesonry 1,858.20 Labor hours 806.200 Equipment hours		82,051
1735.010 Demo [*] Steel	rain on The Bound	
	004.10 /flt	12,025
Demo: Steel		12,025
268.00 Labor hours 6.00 Equipment hours		
4700 ago.		
1736.050 Demo: Miliwork 130 Note 6- Remove Wardrobe, Hardware & Acc. 47.00 ea	164.01 /ea	7,708
130 Note 4- Remove Countertop & Acc. 258.00 Inft	6.20 /inft	2,116
Demo: Millwork		9,824
239.80 Labor hours		
738.010 Demo: Doors & Windows		
To training the training to th	113.53 /ea	20,094
130 Note 13 Remove Aluminum Window Unit 55.00 sf	8.24 /sf	453
Demo: Doors & Windows		20,547
483.00 Labor hours		
738.050 Demo: Misc Items		
10 Note 1- Demolish Temp Classrooms 11,412.00 sqft	2.00 /sqft	22,824
· · · · · · · · · · · · · · · · · · ·	095.49 /ee 835.97 /lsum	3,286 2,636
10 Note 19- Demo Gym Equip, Wall Pads Etc 1.00 Isum 2,6 10 Note 12- Demollsh Portion of Ex Structure 1,037.00 sqft	5.00 /sqft	5,185
	123.01 /ea	2,337
	856.03 /ea	656
Construction		
· · · · · · · · · · · · · · · · · · ·	280.16 /ea	3,280
30 Note 3- Remove Operable Partition 353.00 Inft	18.73 /inft	5,904
Demo: Misc Items		46,109
1,701.903 Labor hours 12,827.00 Equipment hours		
739.010 Demo: Finishes, Floors		
739.010 Demo: Finishes, Floors 10 Note 5 Remove Resilient Flooring 48,544.00 sf	0.85 /sf	41,262
10 Note 11 Remove Stair Floor Finish 2,202.00 sf	0.85 /af	1,872

RC\$D Modernization

			•		Participation of the Section (1921) by the control of the	ISS/ANNANA AANNOSE WA	
14		Banadutlan .	Tales off Other		W-19-0	Total	
item		Description	Takeoff Qty		Unit Cost		Amount
		Demo: Finishes, Floors					43,134
		1,891.533 Labor hours					
1739.080	20	Demo: Finishes, Ceilings	50.474.00	_e .	0.50	. I-E	05 007
	20	Note 2- Remove ACT Ceiling	50,474.00	81	0.50	/81	25,237
		Demo: Finishes, Ceilings 504.74 Labor hours					25,237
		DEMOLITION					260,462
		7,201.36 Labor hours					200,402
		13,540.40 Equipment hours					
		02D			3.27	/sqft	260,462
•		79,743.00 sqft 7,201,38 Labor hours					
		13,540.40 Equipment hours				•	
16H							
5500.000		HVAC					
15500.100		HVAC GENERAL					
	0002	Bonds and Insurances	1,948,000.00	laum	0.02	/isum	38,920
•	0003		1,946,000.00	isum	80.0	/Isum	155,680
		HVAC GENERAL					194,600
5590.000		HVAC Demolition					
d001		Demo HVAC , Renovation	79,743.00	sqft	2.00	/sqft	159,486
		HVAC Demolition 7,974.30 Equipment hours					159,486
5610.000	1050	Heating Bollers and Acces	70 740 00		4.00	L _A	450 744
	1000	Re-Pipe Existing Bollers Heating Bollers and Acces	79,743.00	sqft	. 1.89	/sqft	150,714 150,714
		_					100,114
15613.000	0205	Pumps New Heating Pumps w/ VFDs	4.00	each	4,271.00	leash	47.004
	2200	Pumps	7.00	OBUI!	7,211.00	,eaui	17,084 17,084
		64.00 Labor hours				,	,
5617.000		Terminal Heat/Cool Units				-	
	2300	Heating Only Fan Coil Unit,	79,743.00	sqft	0.35	/sqft	27,910
	7200	Cabinet Heaters , FT radiation, Hydronic Heatin Terminal		sqft	0.85		67,762
		Reinetail used Unit Ventilator, HW, Louver	79,743.00	sqft	0.52		41,466
	8126	New Unit Ventilator,HW,Louver	79,743.00	sqft	0.76	/sqft	60,605
		Terminal Heat/Cool Units 2,551,776.00 Labor hours					197,763
5618.000		Floor Heat/Snow Melt Eq.					
	1100	Radiant Slab Heating	4,144.00	sqft	19.00	/sqft	78,736
		Floor Heat/Snow Melt Eq.	;				78,736
5650.000		Air Hendling Units					
	1130	VAV AHU Systems	79,743.00	each	5.60	/each	446,56 1

Draft

Page 43 011 11:12 AM

							COLL	
item		Description		Takeoff Qty		Unit Cost		Amoun
		Air Handling Units 1,913,832.000 Leb	oor hours					446,561
5652.000	1024	Heat Pumps DX Split Systems Heat Pumps 637,944.00 Lab	oor hours	79,743.00	sqft	0.30	/sqft	23,923 23,923
15730.000		Heating Water Piping Heating Water Branch Pipin Heating Water Mains Piping	g	79,743.00 78,743.00	sqft sqft	1.20 1.20	/sqft /sqft	95,692 95,692 191,383
		Heating Water Piping 38,276.840 Lab	oor hours					191,300
15830.000	2001	Fens Exhaust Fen Systems, duct Fens	and louver	79,743.00	sqft	1.26	/sqft	100,476
15840.000	4001	Air Terminal Units VAV Variable Air Volume Hi	W Rehest, No	79,743.00	sqft	2.50	/sqft	199,358
		Controls Air Terminal Units Of Parameters of the American Control of the Ame	•			in the second of the		199,358
15850.000	5100	Air Outlets & Inlets Roof Combustion Air Syster	ms	79,743.00	sqft	0.33		26,315
	•,	Air Outlets & Inlets	oor hours				·	26,31
15940.000	1610	HVAC Inst. and Conrols HVAC Controls HVAC Inst. and Conrols		79,743.00	aqft	3.50	/sqft	279,10° 279,10°
		-1 /	oor hours ulpment hours					2,085,49
		15H		 		25.902	/eqft	2,065,49
		79,743.00 sqi 5,181,764.140 Lab 7,974.30 Equ	oor hours					
16P		7,874.30 Equ	иричени поого					
15200.000	<u> </u>	PLUMBING						
15200.100		PLUMBING GENERAL					_	
GC01 GC02		Bonds and Insurances General Conditions PLUMBING GENERAL		527,088.00 527,086.00	isum isum	•	/Isum /Isum	10,541 42,165 52,707
15290.000	3906	Piumbing Demolition Demo Plumbing Complete Plumbing Demolition	`	79,743.00	sqft	2.50	/sqft	199,358 199,358
15310.000	1105	Domestic Water Piping Domestic Water Piping		79,743.00	saft	1,00	/sqft	79,743
					•		-	•

16130.000

RACEWAY, FITTINGS & BOXES

						Otal	
	Description		Takeoff Qty	•	Unit Cost		Amoun
	Domestic Water Plp	ing				-	79,743
	Sanitary Weste/Ver	et Ppg.					
5708			79,743.00	sqft	0.88 //	eqft _	70,174
	Sanitary Weste/Ven	t Ppg.					70,17
	Natural Ges Piping						
3306			79,743.00	8qft	0.24 /	_ fipe	19,138
		Labor hours					19,138
	Eletura Boresh in		•				
1000		rftines.	79 743 00	anfi	0.48.76	a cft	38,277
9000				sqft			61,402
	Fixture Rough In	•		- 1	2		99,679
	Plumbing Fixtures						
1000	Plumbing Fixtures		79,743.00	sqft	0.78 /s	qft	62,200
	Plumbing Fixtures						62,200
	PLUMBING	1-1					582,998
	30,302.34	Labor hours					
	15P				7.311/e	qft	582,998
	79.743 00	enft					
	Renovation	· · · · · · · · · · · · · · · · · · ·			109.29 /s	qft	8,715,124
	79,743.00 6,454,139.25 21,514.70	saft Labor hours Equipment hours					
				•			
	01						
· ·	017-110						
	SITEWORK	·					
	Site General Condition	ons .					
			1.00	laum			109,809
	_		1.00	laum			146,413
	Site General Conditio	ns .					256,222
	SITEWORK		· · · · · · · · · · · · · · · · · · ·			•	256,222
	01						256,222
	18						
	1000 9000	Sanitary Waste/Ver Sanitary Waste/Ver Sanitary Waste/Ver Sanitary Waste/Ver Natural Gas Piping Gas Piping Natural Gas Piping 30,302.34 Fixture Rough in Rough In, Plumbing Fixture Final Fixture Rough in Plumbing Fixtures Plumbin	Sanitary Wester Vent Ppg. Sanitary Wester Vent Ppg. Sanitary Wester Vent Ppg. Natural Ges Piping 30,302,34 Labor hours Fixture Rough in 1000 Rough In, Plumbing Fixtures 9000 Plumbing Fixtures Inal Hook Up Fixture Rough in Plumbing Fixtures 1000 Plumbing Fixtures Plumbing Fixt	Sanitary Waste/Vent Ppg. Sanitary Waste/Vent Ppg. Sanitart Drain Piping 79,743.00 Sanitart Drain Piping 79,743.00 Sanitary Waste/Vent Ppg. Natural Gas Piping 79,743.00 Ros Piping 79,743.00 Fixtura Rough in 79,743.00 Plumbing Fixtures 179,743.00 Plumbing Fixtures 179,743.00 Plumbing Fixtures 79,743.00 Plumbing Fixtures 79,7	Sanitary Waste/Nent Ppg. Sanitary Waste/Nent Ppg. 79,743.00 sqft Sanitary Marker Piping 79,743.00 sqft Sanitary Sanit	Description Takeoff Qty Unit Cost	Description Takeoff City Unit Cost

Page 45 9/16/2011 11:12 AM

					Total	
Item		Description	Takeoff Qty		Unit Cost	Amount
16132.155		BRANCH CIRCUIT WIRING	•			
	4	3/4"sch.40 pvc w/4#10 thhn	2,246.00	lf	29.34 M	65,892
		BRANCH CIRCUIT WIRING				65,892
		293.552 Labor hours				
		RACEWAY, FITTINGS & BOXES				65,892
		293.552 Labor hours				
18500.000		FIXTURE SCHEDULES				
16500.100		Fixtures by Type				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	250	TYPE \$10 - 24' ROADWAY LIGHT/POLE W/ 1	6.00	ea	1,895.00 /ea	: 13,560
		FIXTURE			0.700.00 /	40.00
	255	TYPE \$11 - 24' ROADWAY LIGHT/POLE W/ 2 FIXTURES	5.00	68	2,760.00 /ea	13,800
		Fixtures by Type			· —	27,360
		44.000 Labor hours				
		FIXTURE SCHEDULES				27,360
		44.000 Labor hours			the second second	
16510.000		LIGHTING				
		LIGHTING				
16520.300		HID Fixures [Outdoor]				
	470	100W MH 42-IN BRNZ BOLLARD	9.00	88	520.22 /ea	4,682
		HID Fixures [Outdoor]				4,682
		11.25 Labor hours				
		LIGHTING				4,682
		11.25 Labor hours				
16900.000		SITE WORK & MATERIALS				
16930.000		Pre-cast Concrete				
n	35	12-iN Dia x 6-FT Preçast Light Pole Base	13.00	ea .	282.28 /ea	3,670
		Pre-cast Concrete				3,670
		26.00 Labor hours				
		SITE WORK & MATERIALS				3,670
		26.00 Labor hours				
		16				101,804
		374.802 Labor hours				
)28						
2100.000		SITEWORK				
2130.000		Maintenance & Protection				
		Rd Cleaning	40.00	days	361.62 /days	15,265
_		8' temp fence	2,584.00	inft	16.00 /Inft	41,344

RCSD Modernization

					*Total	
Item	Description		Takeoff Qty	•	Unit Cost	Amount
		<i>tion</i> Labor hours Equipment hours				56,600
2200.000	SITE DEMO					
	19 Rem Baseball Backstop		120.00		12.00 /lf	1,440
	19 Rem CL Fence		2,024.00		3.50 /ff	7,084
	19 Rem Granite Curb 19 Rem Playground Structur		2,289.00		7,50 /H	17,186
	Rem Trees ig	T e	4.00 23.00	68	600.00 /ea 750.00 /ea	2,400
	Rem Conc Pavement		28,459.00	ea eqft	750.00 /6g 0.85 /sqft	17,250 24,190
	Rem Drain Inlet		6.00	60	200.00 /ea	1,200
	Rem Misc sm (flagpole, s	sian)	2.00	68	200.00 /ea	400
	SITE DEMO	0-7				71,132
		Labor hours				, ,,,,,,
	44.37	Equipment hours				
	SITEWORK	·				405 - 40
		_abor hours				127,740
		Equipment hours				
2300.000	EARTHWORK					
2316.201	Site Exc- Earth					
	10 Site Earthwork		5.30	acue	55,000.00 /acre	291,500
	Site Exc- Earth	-LL				291,500
		Labor hours Equipment hours				
2370.150	Temp Erosion Control					
	Temp Érosion Control		1.00	lsum	15,000.00 /lsum	15,000
	Temp Erosion Control					15,000
	EARTHWORK					306,500
	0.295 L	abor hours				,
	0.295 E	Equipment hours				
2530.000	SANITARY					
			,			
2531.101	Sewer- DI Pipe Push C Sanitary - Allowance	On	1.00	Alfo	25 000 00 (All-	07.866
	Sewer- DI Pipe Push O	'n	1.00	Allu	35,000.00 /Allo	35,000 35,000
	SANITARY	,				35,000
2630.0 00	STORM DRAINAGE					•
	<u> </u>					
2630.004	Storm Structures			A (*=	ADE 004 An	
_	Storm- Allowance Storm Structures		1.00	Alio	225,000.00 /Allo	225,000
						225,000
	STORM DRAINAGE					225,000
2700.000	PAVEMENTS & SURF	ACES				
740.120	Asphalt Paving - SY					

Page 47 9/16/2011 11:12 AM

Item							
		Description	Takeoff Qty		Unit Cost		Amount
740.120		Asphalt Paving - SY	70 400 00		4.05	to mile	312,205
7700		Asphalt Pavement	73,460.00	sqft	4.20	/sqft _	312,205
		Asphalt Paving - SY					312,200
750.100		Concrete Paving Conc Walk	32,485.00	sqft	6.55	/sqft	212,777
		18" Wide Concrete Mow Strip	721.00	sqft		/sqft	3,245
		Concrete Paving		•		_	216,021
760.100		Pavement Marking .			5 000 00		E 000
	4	Pavement Markings	1.00	isum	5,000.00	/isum _	5,000
•		Pavement Marking			•		5,000
770.110		Curbs	3,643.00	Inft	35.00	Anft	127,505
_		Granite Curb	0,040.00	11111	00.00		127,508
		Curos					,
780.100	20	Site Pevers Pevers Brick Grouted	937.00	sf	3.15	/sf	2,952
	20	Site Pavers	007.00	U .	U. 10	_	2,952
		78.083 Labor hours					•
790.110		Athletic Surfeces			* : + *		
	100	Artificial Turf (Micro Play Field)	17,212.00	sf	5.00	/sf _	88,060
		Athletic Surfaces					86,060
		PAVEMENTS & SURFACES 78.083 Labor hours					749,743
800.000		SITE IMPROVEMENTS					
810.000		Site Amenaties					
		Traffic Signs	1.00	Alto	5,000.00	/Allo -	5,000
		Site Amenaties				_	5,000
320,006		Chain Link Fence					
	2	6' Decorative Metal Fence w/ concrete mow strip	1,574.00	If	70.00		110,180
	4	6' Fence Man Gate	6.00	ea	1,000.00	/ea _	6,000
		Chain Link Fence	•				110,180
B70.100		Ext Benches & Planters	2.02		700 AA	<i>t</i> ==	5 400
	_	6' Metal Benches	8.00 4.00	00 68	600.00 1,200.00		6,400 4,800
	40	Metal Picnic Table Ext Benches & Planters	4.00	Ca	1,200.00		11,200
		12.00 Labor hours			•		.,,
		12.00 Equipment hours					
880.200		Playground Equipment	40 000 00	^	40.00	(a=4)	400 000
		Playground Surface	12,623.00	sqft is	10.00 40,000.00		126,230 40,000
_		Playground Equipment Playground Equipment	1.00	ΙΦ	40,000.00	119 _	168,230
		SITE IMPROVEMENTS					298,610
		12.00 Labor hours					100,070
		12.00 Equipment hours					

						Total	
item		Description	Takeoff Qty	,	Unit Cost		Amoun
2910.100		Soil Preparation					
'	100	Planting Bed Preparation	72.33	Cy	8.00	/cy	579
		Soil Preparation					578
2920.110		Lawns & Grasses					
п	10	Restore Lawn - Topsoll & Seed	57,984.00	8f	0.37	/sf	21,454
		Lawns & Grasses					21,454
2933.100		Shrubs & Hedges	,				
	10	Shrubs - Standard Species	243.00	ea	40.00	/ee	9,720
		Shrubs & Hedges					9,720
2933.200		Trees					
		Trees - Small	6.00	ea	125.00		750
	500	Trees - Shade	45.00	88	350.00		15,750
		Additional Plantings Allowance Trees	1.00	ls	5,000.00	/18	5,000 21,500
							21,500
		LANDSCAPE					53,253
1000.000		MASONRY	••				
£210.100		Brick: All Types					
72.10.100	10	4x4 Brick Column w/Precest Cap	11.00	ea	2,500.00	/en	27,500
		Brick Raised Seat Wall w/Precast Cap	133.00	8f	40.00		5,320
		Brick: All Types				•	32,820
		3,744.00 Labor hours					
		MASONRY					32,820
	•	3,744.00 Labor hours		•			52,424
0000.000		SPECIALTIES					
0350.000		Fiagpoies					
	10	Flagpole	1.00	ea	1,500.00	/ea	1,500
		Flagpoles				_	1,500
		SPECIALTIES					1,500
		028					1,830,166
		4,038.75 Labor hours					.,,
		216.885 Equipment hours					
		Sitework					2,187,992
		4,413.550 Labor hours					A, 101,05£
		040.000 5 1 11					

THEPIKECOMPANY

216.665 Equipment hours

Page 49 9/16/2011 11:12 AM

Estimate Totals

Description	Amount	Totals
Labor	425,832	
Material	441,985	
Subcontract	11,976,665	
Equipment	2,052,851	
Other	4,286,461	
	19,183,794	19,183,794
Design Contingency	1,918,379	
Total		21,102,173

4 4 , •

Project name

Henry Hudson School 28 SD

Estimator

WM/BB/SK

Sorted by 'Area 1/CSI1/Assembly/Phase' 'Detail' summary

Report format



9/15/2011 3:35



Electri	21 Fire Suppression	14 Conveying	D3090	#	14 Conveying	10 Spe	D3094	Comm	Metal L	Tollet /	Toilet (Signage	Tackboards	1	10 Specialties	09 Finishes	D309(Painting	Fixed	Carpet Tile	Тепах	Resilie	₩ood.	Susper	Quarry Tile	Sylven	Lt. Gag	09 Finishes	08 Openings	D309	Skylights	Alumir	Glazeo	Alumir	Overhe
Electric Fire Pump Assembly with Jockey Pump	ppression	weying	nyorausic Passenger Elevators D3090 110 1680	,	/ing	10 Specialties	D3090 110 1680	Commercial Food Preparation Equipment	Metal Lockers	Tollet Accessories	Toilet Compartments	.	Fræd Chaikboards Tackboards		ties	hes	D3090 110 1680		Fixed Sound-Absorptive Panels	핆	Terrazzo Flooring	Resilient Tile Flooring	Wood Flooring	Suspended Ceilings, Completa	Cuarry Tile	Gypsum board Cellings	Lt. Gage Metal Back-up	is .	nings	D3090 110 1680	is is	Aluminum Windows	Glazed Aluminum Curtain Walls	Aluminum Entrances And Storefronts	Overhead Coiling Doors
embly with Jou			Succession				,	xaration Equipr											ve Panels					ompleta	T	7		The Albert designation of the Control of the Contro		•			rain Walls	And Storefront	
key Pump								Tent																										u,	
													••																		•				
	-1-411-4		I—I E——	·			. :									.13				<u></u>							TIME INTE								
19,024						22,896	22,896	•	1,500	3,000	7,000	1,081	5,075			700,580	700,580	190,816	20,800	10,258	86.600	50.154	13.096	123 907	112,706	37,080	43,500		315,550	315,550	11,000	14,400	191,400	2.200	96,000
119,528						100,899	100,899	,	13,500	10,000	26.600	7 500	25,025			591,304	591,304	45,937	80,000	46,980	28.000	75 165	7.275	152 220	89,255 7 783	22,460	36,250		885,700	885,700	33,000	26,400	597,400	14.000	212,150
2									3 :	8	8 3	3]	2 25			2	2	37	<u>8</u>	8	8 (5	3 8	3 8	3 5	2	8		8_	8	8	<u>\$</u> _	2 3	3 8	9 29
		56,000	56,000			237.960	237.960	237.960														··· · · · · · · · · · · · · · · · · ·		. 			<u>-</u>						*******		
									-2	at a							,											***							
ļ									<u></u>									·····					·		·····										
																1,291,884	1 291 884																		

																																					:					4
	Circulating Pump Systems, P-CW-1/2	Circulating Pump Systems, P-CT-1/2	Boiler, AERCO BMK-1.5LN 1500MBH Quote from RP Fedder	HVAC Demolition 2nd floor	HVAC Demolition 1st floor	23 Heating Ventilating & Air Conditioning	22 Plumbing	Circulating Pump Systems - Plumbing	Plumbing Demolition 2nd floor	Plumbing Demolition 1st floor	Roof drain, Cl, Storm System 2nd floor	Elevator Sump Pump - w/High Water Level & Oil Alert	Sanitary Waste System & Vent 2nd floor	Sanitary Waste System & Vent 1st floor	Gas fired water heater,commercial,100< f rise,300 mbh input,278 gph	Damestic Water Distribution 2nd floor	Domestic Water Distribution 1st floor	Water cooler, electric, floor mounted, dual 2nd floor	Water cooler, electric, floor mounted, dual 1st floor	Shower, stall, fiberglass 1 piece, 2nd fi	Shower, stall, fiberglass 1 piece, 1st fi	Service sink w/trim, corner floor, 28" x 28", w/rim guard 2nd fl	Service sink w/trim, corner floor, 28" x 28", w/rim guard 1st fl	Kitchen sink withim, countertop, stainless steel, 25"x22" single bowl 2nd	Kitchen sink withim, countertop, stainless steel, 25"x22" single bowl 1st	Lavatory withim, wall hung, vitreous china, 24" x 20" 2nd fi	Lavatory w/trlm, wall hung, vitreous china, 24" x 20" 1st fl	unnal, vitreous china, stall type 2nd fl	Urinal, vribeous china, stall type 1st fi	Water closet, vitreous china, with flush valve, wall hung 2nd floor	Water closes, vitreous china, with flush valve, wall hung 1st floor	General Plumbing Allowances Kitchen Equipment installations Only	General Plumbing DemoRtion 2nd floor	General Plumbing Demolition 1st floor	Makeup Water RPZ Assembly	22 Plumbing	21 Fire Suppression	Wet standp risers, class i,steel,black,sch 40,4"dm pipe,second floors	Wet standpipe risers,class i,steet,black,sch 40,4"diam pipe,1 floor	Wet pipe sprnkl systems, steel, second floor, 47,650 SF	Wet pipe sprinkler systems, steel, 1 floor, 47650 SF	
	12.423	15 170	46 211	62,694	62,644		335,935	8,968	5,429	4,794	13,627	796	36,356	14,477	9,399	39.252	39,252	2,158	2,158	2,704	2,704	1,687	1,687	2,936	1,468	18,815	27,846	6,394	1,599	12,744	24,817	7,800	21,681	21,681	2,707		244,753	3,451	8,412	101,079	112,787	
and the	20.428	24 580	163 490	rraniii			414.187	18.836		:	14.975	3.004	27,676	24.005	56,260	30.828	30.828	4.914	4,914	3,114	3,114	2,450	2,450	4,937	2,468	34,565	51,156	7,621	1,905	20,017	38,980	5,000	4,765	4,765	10,639		253,583	3,372	9,773	49,975	70,935	
			11- 1		<u>.</u>		4 250					•••••••	j	4 250							··			·······					- t											,		
1,123	1,15	2,33 4	200	3 030	900 E		A R/10										· · - · ·			-													2383	2.383	2		0 0 5 8			4 373	5.583	
499	499	<u> </u>				199	100	3								***************************************					**** # ** **								P.11111.1.3					•••••••••••			·······	••••				August 10
34,479	41,363	211,044	66,623	00,5/3		158,719	28,303	0,429	4,794	20,002	3,300	54,032	42,732	60,659	70,080	080,0	70,07	7,071	5,016	5,010	4,137	4,137	1,013	7 072	3,380	53 390	70,00	14015	3 504	39 761	63 707	47 800	28 879	36.5	3	267'800	6,824	18,185	135,427	165,303	505 081	Total Amount



																																								W. 1
Fire Detection and Alarms	Security	Clock Equipments	Public Address System (E-Rate NIC)	Television Equipment (E-Rate NIC)	Communication (E-RATE NIC)	Sound And Video Cables & Fittings (E-RATE NC)	Interior Lighting Fixtures	Emergency Power Distribution	Lighting Control	Receptacles	Power Distribution Feeders	Power Distribution Equipment	Equipment Connections	Electrical Demolition	Building Temporary power and Lighting	26 Electrical	23 Heating Ventilating & Air Conditioning	Chill Water Loop 3rd floor	Chill Water Loop 2nd floor	Chill Water Loop 1st floor	Hot Water Loop 2nd floor Primary & secondary	Hot Water Loop 1st floor Primary & secondary	Spit sys,air cooled andnsn unit, Data Closets 2 per floor 2nd fi	Splt sys,air cooled codoso unit, Data Closets 2 per floor 1st fl	Fin Tube Assembly 2nd floor	Fin Tube Assembly 1st floor	Exhaust Fan System Roof	Variable Air Volume Mixing Boxes 2nd floor	Variable Air Volume Mixing Boxes 1st floor	Misc. Area's Air Distribution 2nd fl Ductwork	Misc. Area's Air Distribution 1st fl Ductwork	AHU Central Station 1000 CFM 2nd Floor	AHU Central Station 5000 CFM 1st Floor Cafe	AHU Central Station 2000 CFM 1st Floor Gym	AHU Central Station 1000 CFM 1st Floor	Chiller, centrifugal, water cooled, pkgd, STD. controls, 240 ton	Circulating Pump Systems, P-HW-1/2/3/4/5 Secondary Pumps	Circulating Pump Systems, P-CW-1/2/3 Secondary Pumps	Circulating Pump Systems, P-HW-1/2	
										• .							:																							
71 485	23,787	9,527					195,005	7,749	47,636	95,271	28,082	9,490	61,562	71,423	19,017		1,460,351	9,823	15,259	15,259	30,517	30,517	2,702	2,702	48,860	46,417	64,170	115,625	123,885	259,406	259,406	70,210	30,158	27,042	31,206	36,362	18,283	10,970	12,423	
25	23,825	9,530					243,250	13,886	47,650	95,300	53,489	58,000	124,783	23,825	9,530		1,183,996	11,627	16,290	16,290	32,579	32,579	3,081	3,081	51,000	48,450	43,176	110,403	118,289	63,344	63,344	57,375	29,306	24,215	25,500	163,736	26,497	15,898	20,428	
						mas	. /101 1818		86-U-181 ·	*********							476,500										1.1.1.1HH			238,250	238,250								de se de	
				and the second								, .					42,924										5,000			5,003	5,003	6,750	1,000	1,500	3,000	1,809	190	114	1,129	ent Effilip Amount Other Automit
																	94,688								4,536	4,309	8,042	17,332	18,570	12,078	12,078	7,745	861	1,721	3,442	482	1,247	748	499	
156 795	47,612	19,057					438,255	21,635	95,286	190,571	81,571	67,490	186,345	95,248	28,547		3,258,459	21,450	31,548	31,548	63,096	63,096	5,783	5,783	104,396	99,176	120,387	243,359	260,744	576,081	578,081	142,081	61,324	54,479	63,148	202,389	46,217	27,730	34,479	Total/Amount.



Datable 1980 1980 2000 1980 20000 2000 2000 2000 2000 2000 2000 2000 2000 200	214,500 42,480 28,920 3,450 30,000 319,350 319,350 81,520 81,520 81,520 81,520 3,675 3,675	Metal Pen Stairs Metal Pen Stairs Metal Railings Miscellaneous Metal D3090 110 1690 05 Metals 06 Wood & Plastics Blocking Millwork and Casework D3090 110 1690 06 Wood & Plastics 07 Thermal & Moisture Protection Thermal Protection Metal Wall Panels Modified Bituminous Membrane Flashing & Sheet Metal Firestopping Caulking And Sealants
D300 110 1880 D300 110 1890 D300 110 189	6,520 81,520 81,520 3,675 3,675	Metal Pen Stairs Metal Pen Stairs Metal Railings Miscellaneous Metal D3090 110 1690 05 Metals 06 Wood & Plastics Blocking Millwork and Casework D3090 110 1690 06 Wood & Plastics 07 Thermal & Moisture Protection Thermal & Moisture Protection Metal Wall Panels Modified Bituminous Membrane Flashing & Sheet Metal Firestopping
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### Protection 93,143 248,516 343,500 ##################################	Salura Protection	5 ·		3,372	3,451	Wet standp risers, class i, steel, black, sch 40,4"dm pipe, third floors
Salura Prosection Salura 248,516 343,550 343,5		57.	1,625	18,564	37,546	Wet pips sprinkl systems, steel, third floor, 17,700 SF
Nest 1980 244,516 343,550	Part					Tre Suppression
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10 1690 93,143 248,918 343,550	10 1630 93,143 248,818 343,550 1	380		162,013	218,536	D3090 110 1690
10 1690 93,143 248,618 343,550 all & Moisture Protection 93,143 248,818 343,550 amnes, Hardware 14,400 31,250 3,300 21,000 n Entrances And Storefronts 251,240 773,040 1,100 n Windows 2,400 4,400 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 <td> 10 1650</td> <td>* .</td> <td></td> <td>8,943</td> <td>37,243</td> <td>Painting</td>	10 1650	* .		8,943	37,243	Painting
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 all & Moisture Protection 3,300 21,000 uminum Curtain Walls 251,240 773,040 4,000 uminum Curtain Walls 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 10 1690 271,340 829,690 1,100 Metal Back-up 48,750 40,625 Soard Cellings 23,333 12,153 A Porcelain Tibe 23,489 31,333 of Cellings 20,625 32,508 Tipe Plooring 20,626 32,600 11,400	10 1690 93,143 248,818 343,550 343,5			1,392	304	Carpet Tile
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 ames, Hardware 14,400 31,250 31,250 n Entrances And Storefronts 2,400 77,3040 71,000 numinum Curtain Walls 251,240 773,040 773,040 10 1690 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,7340 10 1691 271,340 829,690 1,734	10 1630	<u> </u>		14,400	39,600	Terrazzo Flooring
10 16900 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 armes, Hardware 14,400 31,250 343,550 armes, Hardware 14,400 31,250 21,000 n Entrances And Storefronts 251,240 773,040 21,000 uminum Curtain Walls 251,240 773,040 4,400 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 829,690 1,73,040 10 1690 271,340 82	10 1690 93,143 248,818 343,550 Column (10 m) Co	3 6		20,160	13,306	Resilient Tile Flooring
10 1690 93,143 248,818 343,550 al & Moisture Protection 1,400 31,250 al & Moisture Protection 73,400 21,000 4,400 773,040 773,040 4,400 4,400 4,400 4,400 4,400 4,400 10 1,50 4,50 4,50 11,7 4,00 4,00 12,7 4,400 4,00 13,7 4,00 4,00	10 1690 93,143 248,818 343,550 An Amount fool A	,	1 · · · ·	32,508	26,462	Suspended Cellings, Complete
10 1650 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 1,400 31,250 31,250 343,550 2,400 21,000 21,000 21,000 2,400 4,400 4,400 4,400 10 1690 271,340 829,690 1,7 10 1690 271,340 829,690 1,7 10 1690 271,340 829,690 1,7 10 1690 48,750 48,625 1,7 10 1690 48,750 48,625 1,7 10 1690 48,750 48,625 1,7 10 1690 48,750 48,625 1,7 10 1690 48,750 48,625 1,7	10 1690 93,143 248,818 343,550 <th< td=""><td><u></u></td><td></td><td>31,833</td><td>29,489</td><td>Ceramic & Porcelain Tile</td></th<>	<u></u>		31,833	29,489	Ceramic & Porcelain Tile
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 amnes, Hardware 14,400 31,250 n Entrances And Storefronts 3,300 21,000 turninum Curtain Walls 251,240 773,040 10 1690 271,340 829,690 1,11 10 1690 271,340 829,690 1,11 10 1691 48,750 48,750 40,625	10 1690 93,143 248,818 343,550 343,5	35 25		12,153	23,383	Gypsum Board Cellings
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 amnes, Hardware 14,400 31,250 n Entrances And Storefronts 3,300 21,000 luminum Curtain Walls 251,240 773,040 n Windows 2,400 4,400 10 1690 271,340 829,690 1,11 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1	10 1690 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143			40,625	48,750	Lt. Gage Metal Back-up
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550	10 1630 93,143 248,818 343,550 343,5			777		Finishes
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 smes, Hardware 14,400 31,250 Entrances And Storefronts 3,300 21,000 uminum Curtain Walls 251,240 773,040 Windows 2,400 4,400 0 1690 271,340 829,690	1690 93,143 248,818 343,550	* ;	e la caractería de la c	829,690	271,340	08 Openings
14.400 93,143 248,818 343,550	14,400 14,400 1,	1 10 0		829,690	271,340	D3090 110 1690
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550 93,143 248,818	1690 93,143 248,818 343,550			4,400	2,400	Ahminum Windows
10 1690 93,143 248,818 343,550 21 & Moisture Protection 93,143 248,818 343,550 22 A B B B B B B B B B B B B B B B B B B	10 1690 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550 93,143 9	1 024		773,040	251,240	Glazzed Aluminum Curtain Walls
10 1690 93,143 248,818 343,550 (al & Moisture Protection 93,143 248,818 343,550 (ames, Hardware 14,400 31,250 31,250	10 1690 93,143 248,818 343,550 (a) & Moisture Protection 93,143 248,818 343,550 (a) & Moisture Protection 93,143 248,818 343,550 (a) & Moisture Protection 93,143 248,818 343,550 (b) & Moisture Protection 93,143 248,818 343,550 (c) & Moisture Protection 93,143 248,818 (c) & Moisture Protection 93,143 (c) & Moisture Protection 93,1	. 24		21,000	3,300	Aluminum Entrances And Storefronts
10 1690 93,143 248,818 343,550 al & Moisture Protection 93,143 248,818 343,550	10 1690 93,143 248,818 343,550 93,143 248,818 343,550 93,143 248,818 343,550	A 5	•	31,250	14,400	Doors, Frames, Hardware
93,143 248,818 343,550 93,143 248,818 347,550	93,143 248,818 343,550 93.143 248.818 343.550	085				Openings
93.143 248.818 343.550	93.143 248.818 343.550	689	343 550	248.818	93.143	07 Thermal & Moisture Protection
	Amount one areas district.	non and and and and and and and and and an	343, 550	248.818	93,143	D3090 110 1690

						With a second to disconnect disco	
314,093				17.		31 Sitework	
314,093			• • •••••	179.719	134.374	26 Electrical	
30,965			••••••	179 749	134.374	D3090 110 1680	
8,843				17 700	13.265	Fire Detection and Alarms	
3,539				4.425	4.418	Security	
				770	1.769	Clock Equipments	
						Public Address System (E-Rate NIC)	
						Television Equipment (E-Rate NIC)	
						Communication (E-RATE NIC)	
84,404	•••••			40,740		Sound And Video Cables & Fittings (E-RATE NIC)	
3,539	4.464			45 Ann	39 004	Interior Lighting Fixtures	
1,320			· • · · · · · · · · · · · · · · · · · ·	1 770	1.780	Lightning Protection For Buildings	
17,686				800,	520	Emergency Power Distribution	
35,383				225	8 836	Lighting Control	
33,680			······································	17.700	17,683	Receptacles	
34,090	-			21.200	12,480	Power Distribution Feeders	
34,041				24,125	10,465	Power Distribution Equipment	
206,6				34,209	20,632	Equipment Connections	
71			··· Pi Wd	1,770	3,532	Building Temporary power and Lighting	
292,372						Zo Electrical	
		2 100	88,500	191,225	277,008	23 Heading Ventilating & Air Conditioning	
34 540				16,290	15,259	Not water Loop 3rd floor Primary & secondary	
				3,081	2,702	Spit sys,air cooled cridnsn unit, Data Closets 2 per floor 3rd fl	
	•	ş		25,500	24,430	rin lube Assembly 3rd noor	
		1,750		15,111	22,459	En Tithe Acceptable 2 and 1	
				63,087	66,070	Exhaust Car souther Month Doxes and Hoof	
		1,859	88,500	29,905	99,282	Variable Air Volume Mixing Boxes and Boxes	•
5,164 94,721		4,500		38,250	46,807	Misc. Area's Air Distribution and a post-	
						AHU Central Station 1000 CEM 3-L Elec-	_
151.214				80,981	70,233	23 Heating Ventilating & Air Conditions	
16,904				8,850	8,054	22 Plumbing	
36,699				16,335	20,364	Roof drain, Cl. Storm System 3rd floor	
25,053				10,000	30.00	Sanitary Waste System & Vent 3rd floor	_
7,071				1,514	4 100	Domestic Water Distribution 3rd floor	
5,818	•			2 -	2158	Water cooler, electric, floor mounted, dual 3rd floor	•
4,137				3 114	2.704	Shower, stall, fiberglass 1 piece, 3rd fl	
3,937				2.450	1.687	Service sink within, comer floor, 28" x 28", within guard 3rd fl	
20,02				2,468	1,468	numen sink w/mm,countertop,stainless steel,25"x22"single bowl 3rd	
35.000			********	16,591	9,031	Lavatory within, wall nung, vitreous china, 24" x 20" 3rd fl	
7 200				3,810	3,197	Criticity Prince County Stall type 3rd fi	-
48 007				11,589	7,378	India with a series of the ser	
						Water cheek without ship with a series and a	1



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Estimate Totals

Total	FF&E	Data/Telecom/Audio/Visual		Construction Contingency			Bond		Contingency, Escalation 2nd yr	Contingency, Escalation 1st yr	,	General Conditions		Other_	Egulpment	Subcontract	Waterial	· 8
, graden			5,153,208	2,061,283	3,091,925	204,087	204,087	1,441,510	758,689	682,821	1,510,047	1,510,047	17,457,189	122,718	198,746	3,641,793	7,208,016	6,285,916
25,766,041 25,786,041			25,766,041			20,612,833		20,408,746			18,967,236		17,457,189					- Fermion
				10.000	15.000		1.000		4.000	3.600		8,650						
·				*	₩		*		×	*		%						in.
	ဂ	_																Cost
				4	4		-4		4	4		- 1						COST BASIS COST

Project name

RCSD Modernization

Rochester

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Report format

Sorted by 'Location/CSI Div/Group phase/Phase'

'Detail' summery Allocate addons

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Page 2 \(\) 9/12/2011 12:06 PM

1,007,087

17.941/sqft

		•		Total	To the book of
item	Description	Takeoff Qty		Unit Cost	Amount
Addition					
	01				
000.000	GENERAL REQUIREMENTS				
1000.100	Division 1 Subcontractors	-			
	10 GC Gen Conditions 6%	1.00	muai	431,982.00 /lsum	431,982
	10 GC Fee 4%	1.00	lsum	287,988.00 /lsum	287,988
	Division 1 Subcontractors				719,970
	GENERAL REQUIREMENTS				719,970
	01			12.83 /eqft	719,970
	58,134.00 eqft				
	03	ment of the second			
3000.000	CONCRETE			-	
310.140	Conc: Footings				
c 30	Footing Conc 3000 psi	501.00	су	350.00 /cy	175,350
	Conc: Footings		1 2		175,350
	250.50 Labor hours				
310.160	Conc: Wells		٠.		
c 30	Wall Conc 3000 psi	495.00	су	550.00 /cy	272,250
	Conc: Walls			_	272,250
	309.38 Labor hours			•	
310.210	Conc: Slabs On Grade				
c 40	5" S.O.G. Conc	42,163.00	sf	5.00 /sf	210,815
	Conc: Slabs On Grade	·		_	210,815
240 450	Const Tourism				
3310.450 c 30	Conc: Topping 2" Topping Conc	18,929.00	saft	4.00 /sqft	75,716
	Conc: Topping	.5,523.50	******	Non tadir	75,716
	5,878.71 Labor hours				•
400.100	Precast Concrete		_		
	80 10" HC Concrete Precast Deck (sqft)	18,929.00	sf	14.42 /af _	272,956
	Precast Concrete 946.45 Labor hours				272,956
	CONCRETE				1,007,087
	7,185.031 Labor hours			•	.,,
	A4			49 6 44 1- 6	4 447 667

56,134.00 sqft 7,185.031 Labor hours

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Page 3 142/2011 12:08 P**M**

•					Total	
Item	Description		Takeoff Qty		Unit Cost	Amoun
	03				17.941/aqft	1,007,087
	56,134.00 aqf 7,185.031 Lab					
	04					
1000.000	MASONRY					
1210.100	Brick: All Types					· · · · · · · · · · · · · · · · · · ·
10	Brick Veneer		20,179.00	sqft	28.00 /sqft	565,012
	Brick: All Types	٠.				565,012
1220.100	Conc. Block 10"					
lw 1	BIK 12" CMU		11,229.00	sqft	20.00 /sqft	224,580
	Cona. Block 10" 973.18 Lab	or hours				224,580
1220.110	Conc. Block; 8"				रा-चना रहे .	be the second
rw 1	8" CMU		88,032.00	sqft	16.00 /eqft	1,408,512
rw 1	Glazed Block @ Kitchen Conc. Block: 8"		1,667.00	sqft	29.60 /sqft	49,935 1,458,447
	MASONRY 973.18 Lab	or hours				2,248,039
	04				40.05 /sqft	2,246,039
	68,134.00 sqf i 973.18 Lab	t or hours				
	05					
5000.000	METALS					
310.010	Structural: Steel Deck					
20	Metal Joists/Roof Deck	Deak	35,624.00 7,700.00	sf of	7.50 /ef	267,180
20	Metal Joists/Acoustical Roof Structural: Steel Deck	Deck	7,700.00	sf	14.00 /sf	107,800 374,980
						5,7,500
5510.110	Steirs: Steir Parts Metal Pan Steim & Paitings		4.00	file	10 E00 00 /P+-	40 000
10	Metal Pan Stairs & Railings Stairs: Stair Parts		4.00	fits	10,500.00 /fits	42,000 42,000
		or hours				
810.010	Expansion Joint					
	Expansion Joints		1.00	Alto	25,000.00 /Allo	25,000
	Expansion Joint					25,000
	0.02 Labo	or hours				
	METALS					
	MEIALO					441,980

Standard Estimate Report

RCSD Modernization

Page 4 🦏 9/12/2011 12:06 PM

Total item Description **Takeoff Qty Unit Cost** Amount 05 7.874/eqft 441,980 56,134.00 eaft 80.02 Labor hours 08 6000.000 **WOOD & PLASTICS** 6117.020 Blocking: Misc. 10 Misc Blocking 1.00 Allo 10,000.00 /Allo 10,000 Roof Blacking @ Addition 2,048.00 5.00 /Inft 10,240 Blocking: Misc. 20,240 59.99 Labor hours 6160.010 Plywood: Subfloor 10 Stage Platform Framing 1,179.00 8.00 /sf 9,432 Plywood: Subfloor 9,432 53.06 Labor hours 6410.010 Arch Wd Wrk: Cabinets 10 Wood Base Cabinet 180.00 lf 400.00 Af 72,000 10 Wardrobe Cabinet 1,500.00 /ea 6.00 88 9,000 101 P-Lam Countertops 180.00 45.00 /ff 6,100 Arch Wd Wrk: Cabinets 89,100 6454.010 Arch Wd Wrk: Misc. Trim Decorative Trim/Moulding @ Stage 135.00 If 20.00 /m 2,700 Arch Wd Wrk: Misc. Trim 2,700 13.50 Labor hours **WOOD & PLASTICS** 121,472 126.543 Labor hours 08 2.164/sqft 121,472 58,134.00 aqft 126.543 Labor hours 07 7000.000 THERMAL & MOISTURE PROT 7111.010 Dempproofing: VaprBerrier 20 Poly Vapor Barrier @ SOG 42,163.00 ef 0.75 /sf 31.622 30 Vapor Barrier @ Exterior Wall 20,179.00 af 2.50 /sf 50,448 Dampproofing: VaprBarrier 82,070 38.074 Labor hours 7210.040 Insulation: Board 70 Expanded Polystyrene 2 " 20,179.00 af 1.85 /sf 37,331



Page 5 2/12/2011 12:06 PM

		•			•	
					Total	
ltem		Description	Takeoff Qty	1	Unit Cost	Amount
		Insulation: Board				37,331
		403.58 Labor hours				
410.010		Metal Wall Panels		_		
	340	Architectural Metal Panels @ Pilasters	0.00	sf		
7510.030 I 20		Membrane: BUR Bitumen Mod Bit 2ply Roofing	42,041.00	sqft	49.00 /	750 700
120		Membrane: BUR Bitumen	42,041.00	aqn	18.00 /sqft	756,738 756,738
810.010		Fireproofing: Spray On				
	10	Fireprig Sprayd	12,228.00	8f	3.00 /sf	36,684
		Fireproofing: Spray On	,,,,			36,684
840.000		Firestopping				
		Firestopping	1.00	Alfo	10,000.00 /Allo	10,000
		Firestopping				10,000
920.010		Sealant - Jt Filler Gaskt				
_		Joint Sealants	1.00	Allo	7,500.00 /Allo	7,500
		Sealant - Jt Filler Geskt				7,500
		THERMAL & MOISTURE PROT			<u> </u>	930,323
		441.654 Labor hours				
		07			16.573/eqft	930,323
		56,134.00 sqft			•	
		441.854 Labor hours				
		08				
1000.000		DOORS & WINDOWS				
100.000		Doors: Metel With Frames				
	20	New HM Frame (Single)	148.00	0 a	204.762 /ea	30,306
	20	New HM Frame (Double)	9.00	ва	329.762 /ea	2,968
	20	HM Door 3 X 7	2.00	ea	254.78 /ea	510
	20	HM Door 6 x 7	9.00	0 2	304.762 /ea	2,743
		Doors: Metal With Frames 336.00 Labor hours				36,528
210.010		Doors: Wood				
b226		3 X 7	146.00	ea	429.782 /ea	62,746
		Doors: Wood			_	62,748
		292.00 Labor hours				
100.000		Metal-Framed Storetronts	_	_		
		Aluminum-Framed Storefronts	5,785.00	sf	60.00 /sf	347,100
		Aluminum Operable Windows @ Gym	72.00	8f	65.00 /sf	4,660
		Architectural Aluminum Awnings Canopies	727.00	lf ı#	45.00 /lf	32,715
	00	Metal-Framed Storefronts	53.00	lf	125.00 /lf	8,625 391,120
800.000		Skylights				.,
	40	Metal-Framed Skylights @ Gyrn, Cafeteria, Inst.Music	1.00	Allo	25,000.00 /Alto	25,000

RCSD Modernization

					Total	N. A. S.
ltem		Description	Takeoff Qt	y	Unit Cost	Amount
		Skylights			**	25,000
8700.000	10	Hardwere: Finishing Finishing Hardware	168.00	ea	504.782 /es	92.704
	,,	Herdwere: Finishing	100.00	94	504.702748	83,794 83,794
		166.00 Labor hours		•		03,784
		DOORS & WINDOWS				599,190
		794.00 Labor hours			•	
		08			10.674/aqft	599,190
		56,134.00 eqft ,794.00 Labor hours				
		09				
9000.000		FINISHES				
9134.010		GWB: WALL BOARD SYSTEMS		•		-
3104.015	30	GWB Soffit Above Lockers	443.00	8f	10.00 /sf	4,430
		GWB: WALL BOARD SYSTEMS	710.00	٠.	10.00 /91	4,430
9310.020		Tile: Mosaics				
	20		4,743.00		12.00 /sf	58,916
	20 20	Ceramic Tile Walls Ceramic Tile Base	7,019.00	sf	14.00 /ef	98,266
	20	Tile: Mosaics	592.00	lf	14.00 /lf	8,268 163,470
9400.000		Тептагго				
	10	Precast Terrazzo	, 8, 94 8.00	sf	18.00 /sf	161,064
	11	Terrazzo Cove Base	2,317.00	lf	25.00 /lf	57,925
		Terrazzo				218,989
9511.050		Ceiling: 2x4 Tile				
		SAT 2x4 Ceiling	3,630.00	6f	3.50 /sf	12,705
	10	SAT 2x2 Ceiling Ceiling: 2x4 Tile	39,657.00	sf	3.75 /sf	148,714
	•	•				161,419
9640.010	40	Flooring Wood		_		
		Wood Flooring @ Gymnasium Wood Flooring @ Stage	8,286.00	8f	14.00 /sf	116,004
•	10	Flooring Wood	1,179.00	9f	14.00 /sf	16,508 132,510
		-				132,510
9650.010	10	Flooring Resilient	1 000 55			
	10 10	Rubber Sheet Floor Sheet Linoleum Floor/VCT	1,922.00 21,261.00	sf sf	3.50 /sf	6, 7 27
	40	Rubber Base			3.50 /ef 5.30 /lf	74,414 30,088
		Flooring Resillent	_,	••		111,229
9670.010		Flooring Epoxy				
	10	Paint Epoxy Flooring	927.00	8f	2.00 /ef	1,854
		Flooring Epoxy				1,854
9660.010	_	Flooring Carpet				
	6	Carpet Tile	441,00	8 y	35.00 /sy	15,435

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Page 7 12/2011 12:06 PM

						Total	
Item		Description	Takeoff Qt	y	Unit Cost		Amount
		Flooring Carpet				-	15,435
9800.000		Acoustical Treatment					
	10	Sound Absorbing Panel	1,660,00	əf	25.00	/Bf	41,500
		Acoustical Treatment				-	41,500
9910.020		Painting: Int Detailed					
	5	Paint Interior Partition	96,076.00	8f	1.00	/sf	96,076
		Painting: Int Detailed					96,076
		FINISHES	-11-0/12				946,911
		09			16.87 /	eqft	946,911
		56,134.00 sqft					
		10					
10000.000		SPECIALTIES			·		
		g green and the second			× + *		
10160.010		Toilet Compertments					
	30		6.00	ea	1,000.00 /		6,000
	31	Phenolic ADA Toilet Compartments	6.00	69	1,275.00 /		7,650
	41	Urinel Screen	3.00	88	725.00 /	ea _	2,175
		Tollet Compartments					15,825
10260.010		Wall & Comer Guards					
	20	Bumper Guards	116.00	, If	25.50 /	'lf	2,958
		Wali & Comer Guerds					2,958
10500.010		Lockers					
		Hall Locker	295.00	ea	275.00 A		81,125
	10	Gym Locker	35.00	ėą	225.00 //	ea _	7,875
		Lockers					89,000
10600.000	040	Partitions	040.00				
	340	Operable Fire Rated Partition @ Stage	810.00	8f	42.00 /	8T ·	34,020
		Partitions				*	34,020
10800.010		Misc ToileVBath Equip					
		Soap Dispenser	18.00	ea	75.50 /e		1, 359
		SS Tollet Paper Dispenser- Surface Mt.	18.00	ea	34.50 /6		621
	84	SS Waste Rec./Paper Towel Disp.	12.00	ea	545.00 /6		6,540
	80	Mirror	18.00	e 8	238.00 /		4,284
	100	Grab Bar	24.00	68	56.00 /e	3 a	1,344
		Misc Tollet/Beth Equip					14,148
		SPECIALTIES				·	155,951
12000.000		FURNISHINGS					
12000.010		Floor Mats	,				
	10	Entrance Mets	298.00	Allo	9.50 /A	Mo	0.004
			480.00	AIIO.	8.5 0 //	AILU	2,831

					Total	T.
ltem		Description	Takeoff Qty	,	Unit Cost	Amount
		Floor Mets				2,831
		FURNISHINGS				2,831
		10	······································		2.83 /eqft	158,782
		56,134.00 sqft				
		11				
11000.000		EQUIPMENT				
11060.010		Equip: Theeter & Stage				
	140	Stage Curtains	1.00	0 8	25,000.00 /ea	25,000
_		New Stage Curtain & Rigging Equip: Theater & Stage	1.00	Alio	150,000.00 /Allo	150,000 175,000
		-				1/0,000
11400.010		Equip: Commercial Food				•
		New Food Service Equipment Equip: Commercial Food	1,00		240,420.00 /Alio	240,420
		Equip. Commercial Food	the supple of the state of the	•		240,420
1480.010		Equip: Sports/Therepeutic				
	10 20	Basketball Backboard & Frame Bleachers	6.00	98	2,500.00 /ea	15,000
	60	Gym Divider Curtain @ Gym	270.00 1,480.00	seat sf	125.00 /seat 11.85 /sf	33,750 17,538
		Gymnasium Wall Padding	2,040.00	ef	6.50 /sf	13,260
		Equip: Sports/Therepeutic			-	79,548
		EQUIPMENT				494,968
		11		····	6.82 /eqft	494,968
		56,134.00 sqft				
		12				
2000.000		FURNISHINGS	· , , , , , , , , , , , , , , , , , , ,			
2490.010		Window Treatments				
	20	Louver Blinds	4,178.00	sqft	12.00 /sqft _	50,136
		Window Treatments				50,138
		FURNISHINGS				50,136
		12			0.893/eqft	50,136
		59,134.00 sqft			I	
		14	•			
4000.000		CONVEYING SYSTEMS				

14200.010

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Page 9 9/12/2011 12:06 PM

			_			
44000 040		Planatana				
14200.010	20	Elevators Elevator Automatic	2.00	stop	28,000.00 /stop	56,000
		Elevators		0.04		56,000
		CONVEYING SYSTEMS				56,000
		14			1.00 /eqft	58,000
		56,134.00 sqft				,
		16				
18010.000		GENERAL CONDITIONS				
						
16010.060	45	MOBILIZE/DEMOBILIZE	4.00	1-	F 000 00 #-	5 000
n 	15	Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	19	5,000.00 /ls	5,000 5,000
16010.190		TEMPORARY UTILITIES				
n "		Allow, panelboards for temp power to 225A	2.00	88	-1,250.00 /ea	•
n	50	Allow, Temp.Power & Lights TEMPORARY UTILITIES	56,134.00	apft	0.25 /sqft	14,034 16,534
		GENERAL CONDITIONS				21,534
16050.000		BASIC MATERIALS & METHODS			·	
16060.810		Lightning Protection				
•	5	Lightning Protection	0.00	eqft		
		BASIC MATERIALS & METHODS		•••		ō
16130.000		RACEWAY, FITTINGS & BOXES				
16132.156		FEEDER CONDUIT/WIRE				
	17	HVAC Equipment Power	56,134.00	sqft	1.50 /sqft	84,201
		FEEDER CONDUIT/WIRE				84,201
		RACEWAY, FITTINGS & BOXES				84,201
16140.000		WIRING DEVICES			·	
8140.150		RECEPTACLES, BLADE TYPE				
1	5	Conduit and Wire for Electrical Power	56,134.00	sqft	1.00 /sqft	56,134
		RECEPTACLES, BLADE TYPE				56,134
		WIRING DEVICES	•			56,134
6510.000		LIGHTING				
6510.440		Flourescent Fixtures				
		Lighting Emergency Lighting	56,134.00	sqft	4.50 /sqft	252,603
		Energency Lighting Lighting Control System	56,134.00 56,134.00	sqft saft	1.00 /sqft 0.50 /sqft	56,134 28,067

		•			Total	n en
item		Description	Takeoff Qt	y	Unit Cost	Amount
		Floureacent Fixtures				336,804
		LIGHTING	<u> </u>			336,804
16700.000		SPECIAL SYSTEMS				
16720.310		FIRE ALARM SYSTEM				
	495	Fire Alarm System	56,134.00	sqft	2.50 /sqft	140,335
		FIRE ALARM SYSTEM				140,335
16720.320		Security System				
n	5	Security System Access Control	56,134.00	sqft	0.50 /sqft	28,067
n	45	CCTV System	581,334.00	fipa	0.25 /sqft	140,334
		Security System			•	188,401
		3,789,004.500 Labor hours				
16720.340		SOUND/PAGING SYSTEM				
n		PA System	56,134.00	saft	0.25 /sqft	14,034
n	5	Gym/Stage Sound System	1,00	Allo	125,000.00 /Allo	125,000
		SOUND/PAGING SYSTEM				139,034
16720.420		TELEBATA OVOTERA				
10120.420 N		TELE/DATA SYSTEM Tele/Data/CATV Raceways	50 40 4 00			
	3	TELE/DATA SYSTEM	56,134.00	sqft	2.00 /sqft	112,268 112,268
		SPECIAL SYSTEMS 3,789,004.500 Labor hours				560,037
		16			18.88 /sqft	1,058,710
		58,134.00 sqft				
		3,789,004.500 Labor houre				
028			•			
2300.000		EARTHWORK				
2047.405						
2317.105		Building Excavation Building Earthwork - Excav, Backfill & Subbase	39,942.00	sqft	3.25 /sqft	129,812
_		Addition Building Earthwork - Sm Additions	A =0.0 cc			
		Building Earthwork - Sm Additions Building Excavation	2,728.00	sqft	5.50 /sqft	15,004 144,816
		EARTHWORK				144,816
		000	<u>.</u>			
		025			2.58 /eqft	144,816
		56,134.00 eqft				
5H						
5500.000		HVAC			_	

15810.000

Heating Bollers and Acces

Page 11 9/12/2011 12:06 PM

						Total	
ltem		Description		Takeoff Qty		Unit Cost	Amoun
15610.000		Heating Bollers and	Acces				
	0201	HVAC		56,134.00	, sqft	28.00 /sqft	1,571,752
		Heating Boilers and					1,571,75
		1,796,288.00	Labor hours				
15940.000		HVAC inst. and Con	rols		_		
	1610	HVAC Controls		56,134.00	sqft	4.00 /sqft	224,53
		HVAC Inst. and Con	ro/s				224,53
•		HVAC					1,796,28
		1,796,288.00	Labor hours				
		15H				32.00 /eqft	1,790,280
		56,134.00	eqft			7	
		1,798,288.00	Labor hours				
15P							
15200.000		PLUMBING				<u></u>	
			 			Accessed to	······································
15300.000		PLUMBING PIPING					
	1000	Plumbing		56 ,134.00	eqft	10.00 /sqft	561,340
		PLUMBING PIPING					561,340
		56,134.00	Labor hours				
		PLUMBING					551,340
		56,134.00	Labor hours			• .	
		15P				10.00 /sqft	581,340
		56,134.00	aqft				
•			Labor hours				
		Addition				201.95 /sqft	11,336,012
		Addition				201.3078QR	11,330,012
		56,134.00	sqft				
		5,851,028.93	Labor houre				
Renovation							
						·	
		01				·	
000.000		GENERAL REQUIRE	EMENTS			_	
 	····	· · · · · · · · · · · · · · · · · · ·					<u> </u>
000.100	40	Division 1 Subcontrac	ctora			450 004 00 4	
		GC Gen Conditions 6% GC Fee 4%			lsum	158,024.00 /laum 105,349.00 /laum	158,024
	10	Division 1 Subcontrac	tors	1.00	laum	100,048.00 //800	105,349 263,373
		GENERAL REQUIRE	MENTS				263,373

Page 12 9/12/2011 12:06 PM

30,300

Total Item Description **Takeoff Qty Unit Cost** Amount 01 4.72 /sqft 263,373 55,832.00 sqft 04 4000.000 MASONRY 4220.110 Conc. Block: 8" 8" CMU rw 1 21,112.00 sqft 16.00 /sqft 337,792 Conc. Block: 8" 337,792 MASONRY 337,792 6.05 /sqft 337,792 55,832.00 sqft 06 5000.000 **METALS** 5121.010 Structural: W Shapes w04a Strengthen Ex Structure to Accomodate Snow 1.00 Allo 50,000.00 /Allo 50,000 Drift Load w04a Reinforce New Openings @ Addition Tie In 2.00 66 15,000.00 /ea 30,000 Structural: W Shapes 80,000 **METALS** 80,000 05 1.433/soft 80,000 55,832.00 aqft DB 8000.000 WOOD & PLASTICS 6410,010 Arch Wd Wrk: Cebinets 10 Plam Base Cabinet @ Nurse's Office 10.00 If 345.00 /if 3,450 P-Lam Countertops @ Nurse's Office 10.00 lf 45.00 /lf 450 130 Custom Millwork @ Main Office 12.00 H 550.00 /lf 6.600 130 Wall Cabinet @ Nurse's Office 12.00 88 400.00 /ea 4,800 130 Custom Millwork @ Library 1.00 Allo 10,000.00 /Alfa 10,000 130 Relocate Millwork from Exist Art Room to New 1.00 5,000.00 /Allo 5,000 Arch Wd Wrk: Cabinets 30,300 26.00 Labor hours **WOOD & PLASTICS**

THEPIKECOMPANY

26.00 Labor hours

Page 13 9/12/2011 12:06 PM

			Total		
item	Description	Takeoff Qty	Unit Cost	Amoun	
	O8	·	0.543/aqft	30,300	
	55,832.00 sqft 26.00 Labor hours				
	07				
7000.000	THERMAL & MOISTURE PROT		·		
7510.030	Membrene: BUR Biturnen				
1 20	Mod Bit 2pty Roofing Including Tear Off Existing	57,998.00 sqft	20.00 /sqft	1,159,960	
	Membrane: BUR Bitumen			1,159,960	
	THERMAL & MOISTURE PROT			1,159,960	
	07		20.78 /sqft	1,159,960	
	65,832.00 aqft				
•	08		e de la companya de La companya de la co		
9000.000	DOORS & WINDOWS				
3100.000	Doors: Metal With Frames				
	New HM Frame (Single)	61.00 ea	204.782 /ea	16,587	
20		10.00 ea	254.782 /ea	2,548	
100	Aluminum Doors	12.00 ea	3,500.00 /ea	42,000	
	Doors: Metal With Frames 206.00 Labor hours			61,135	
1210.010	Doors: Wood				
b226	3X7	71.00 ea	429.782 /ea	30,515	
	Doors: Wood 142.00 Labor hours			30,515	
700.000	Hardware: Finishing				
10	Finishing Hardware	61.00 ea	504.762 /ea	40,887	
	Hardware: Finishing 81.00 Labor hours			40,887	
	DOORS & WINDOWS 429.00 Labor hours			132,537	
	08		2.374/sqft	132,537	
	66,832.00 sqft 429.00 Labor hours				
	09		•		

9000.000

FINISHES

					Conference and the State of the Conference and Conf	economica a tradicioni della contratti capa
Item		Description	Ťaksoff Qí	ty	Total Unit Cost	Amount
				-		
9134.010		GWB: WALL BOARD SYSTEMS				
	30) GWB Soffit & Ceiling Clouds @ Main Office, Library & Cafeteria	8,117.00	D sf	14.00 /sf	113,638
		GWB: WALL BOARD SYSTEMS				113,638
9310.020		Tīle: Mosaics				
	20		4,503.00) af	12.00 /sf	54,036
	20	Ceramic Tile Walls	11,949,00) sf	14.00 /af	167,286
	. 20		230.00) if ·	14.00 /H	3,220
e e		Ceremic Tile Backsplesh @ Kindergarten & 1st Grade Rooms	144.00) ef	14.00 /af	2,016
	20	Tile @ Kindergarten & 1st Grade Toilet Rooms	1,660.00) af	12.00 /sf	19,920
	20	Clean Tile & Grout @ Corridora	8,968.00) ef	2.00 /sf	17,936
		Tile: Mosaics				264,414
9400.000		Terrezzo				
		Precast Terrazzo @ Corridor	0.00			
	11	Тептаzzo Cove Base @ Corridor	0.00) if		
9511.050		Ceiling: 2x4 Tile				
	10		2,524.00	sf	3.50 /af	8,834
•	10	SAT 2x2 Ceiling	35,829.00	8f	3.75 /sf	134,359
		Ceiling: 2x4 Tile				143,193
9640.010		Flooring Wood				
	10	Wood Flooring	273.00	вf	14.00 /sf	3,822
		Flooring Wood				3,822
9650.010		Flooring Resillent	•			
	10	Rubber Sheet Floor	783.00	əf	3.50 /sf	2,741
	10		8,817.00	8f	3.50 /sf	30,860
	10		1,140.00	8f	3.50 /sf	3,990
	40	Rubber Base	0,242.00	If	5.30 /lf	33,083
		Flooring Resillent				70,673
9870.010		Flooring Epaxy				
	10	Paint Epoxy Flooring	1,810.00	af	2.00 /sf	3,620
		Flooring Epaxy				3,620
9680.010		Flooring Carpet				
	6	Carpet Tile	1,468.00	89	35.00 /ay	51,380
		Flooring Carpet		•		51,380
9890.000		Flooring Restoration	•			•
	10	Flooring Leveling @ Library	2,918.00	sf	1.00 /sf	2,918
		Flooring Restoration				2,918
9910.020		Painting: Int Detailed				
	5	Paint Interior Partition	98,283.00	ef	1.00 /sf	96,263
	5	Paint Millwork @ Pre-K Classroom	2.00	ea	150.00 /ea	300
	5	Paint Millwork @ 4th & 5th Grade Classroom	12.00	98	150.00 /ea	1,800
		Peinting: Int Detailed				98,383
		FINISHES				752,040
		09	<u> </u>		13.47 /sqft	749 848
					13A/ /6QR	752,040

55,832.00 eqft

Page 15 9/12/2011 12:08 PM

•					Total		
ltem		Description	Takeoff Qty	•	Unit Cost		Amount
		10					
0000.000		SPECIALTIES					
0180.010		Tollet Compertments					
	30		18.00	88	1,000.00	lea	18,000
	31		7.00	92	1,275.00		8,925
	41	Urinal Screen	8.00	68	725.00		5,800
		Tollet Compartments					32,725
0800.010		Misc Tollet/Beth Equip					
	80	Soap Dispenser	41.00	ea	75.50	les	3,096
	82	SS Toilet Paper Dispenser- Surface Mt.	38.00	ea	34.50		1,311
	84	SS Waste Rec./Paper Towel Disp.	18.00	98	545.00		9,810
	90	Mirror	41.00	ea	238.00		9,758
	100	Grab Bar	48.00	68	56.00		2,668
		Misc Toilet/Bath Equip			55.05	_	26,663
		SPECIALTIES					59,388
• •		10			1.064	/naft	59,388
		55,832.00 e qft					55,000
		12					
				,			
2000.000		FURNISHINGS					
2300.010		Manufactured Casework		<u>-</u>			·
	40	Library Perimeter Book Shalves	66.00	ínft	350.00	/Inft	23,100
		Manufactured Casework					23,100
•		FURNISHINGS	·		·		23,100
		12		 .	0.414/	aqft	23,100
		55,832.00 eqft					
		13					
1000.000		SPECIAL CONSTRUCTION					
280,010		Demo: Asbestos Removal					
•	10	Remove Asbestos Floor Tile	1,512.00	af	8.00 /	ef .	9,072
		Demo: Asbestos Removal	, \$		0.00		9,072
		SPECIAL CONSTRUCTION					9,072
					. <u>. </u>		
		13			0.162/6	qft	9,072

65,632.00 sqft

RCSD Modernization

item		Description	Takeoff Qt	y	Tötat Unit Cost	Amoun
		16				
18010.000		GENERAL CONDITIONS			<u></u>	
1 6010.060 n	15	MOBILIZE/DEMOBILIZE Average cost, mob-demob, large project > \$500k MOBILIZE/DEMOBILIZE	1.00	ls	5,000.00 /is	5,000 5,000
16010.190 n	37 50	TEMPORARY UTILITIES Allow, panelboards for temp power to 225A Allow, Temp.Power & Lights TEMPORARY UTILITIES	2.00 55,832.00		1,250.00 /ea 0.25 /sqft	2,500 13,958 16,458
18020.110	5	Demo Existing Electrical Electrical Demo Existing Electrical 558.32 Labor hours	55,832.00	eqft	0.50 /sqft	27,916 27,916
		GENERAL CONDITIONS 558.32 Lebor hours	<u></u>			49,374
6050.000		BASIC MATERIALS & METHODS				
6060.810	5	Lightning Protection Lightning Protection	0.00	sqft		
8130.000		BASIC MATERIALS & METHODS RACEWAY, FITTINGS & BOXES				0
6132,156	10	FEEDER CONDUITAVIRE 800A Undersiab Feeder 3000A Underground Secondary Feeder HVAC Equipment Power FEEDER CONDUITAVIRE 355.24 Labor hours RACEWAY, FITTINGS & BOXES	50.00 50.00 55,832.00	if if sqft	173.093 /ff 500.70 /ff 1.50 /sqft	8,655 25,035 63,748 117,438
3140.000		355.24 Labor hours WIRING DEVICES				117,438
3140.150	5	RECEPTACLES, BLADE TYPE Conduit and Wire for Electrical Power RECEPTACLES, BLADE TYPE	55,832.00	sqft	1.00 /sqft	55,832 55,832
9400.000		WIRING DEVICES GEAR SCHEDULES				55,832
3400.100		PANELS BY TYPE OR DESCRIPTION	······································			

5 100A Panelboard

1,754.34 /ea 2,659.173 /ee 7,017 7,978

5 100A Panelboard 4.00 ea 1,754 25 200/225A Panelboard 3.00 ea 2,659.

					Total 4-		
ltem		Description	Takeoff Qty		Unit Cost		Amount
16400.100		PANELS BY TYPE OR DESCRIPTION					
	40		1.00	ea	4,372.88	/ea	4,373
	60		1.00	ea	5,730.17	/88	5,730
	75		1.00	laum	80,000.00	/îsum	60,000
	75		3.00	each	5,000.00	/each	15,000
	80		1,00	ea	49,145.54	/ee	49,146
•		PANELS BY TYPE OR DESCRIPTION					169,243
		264.662 Labor hours					
		GEAR SCHEDULES					169,243
		264.662 Labor hours			•		
16510.000		LIGHTING					
6510.440		Flourescent Fixtures					
		Lighting	55,832.00	sqft	4.50	/enft	251,244
		Emergency Lighting	55,832.00	eqit	1.00		251,244 55,832
		Lighting Control System	55,832.00	sqft	0.50		27,916
		Flourescent Fixtures	00,002.00	2411	2,00		334,992
		LIGHTING			<u></u>		334,992
6700.000	,	SPECIAL SYSTEMS			4		,,,,
6720.310		FIRE ALARM SYSTEM	<u></u>				·
	495	Fire Alarm System	55,832.00	fipa	2.50		400 505
		FIRE ALARM SYSTEM	00,00£. 00	oqu	2.50	adır _	139,580 139,580
							138,000
3720.320		Security System					
	5	Security System Access Control	55,832.00	sqft	0.50 /	saft	27,916
	45	CCTV System	55,832.00	aqft	0,25 /		13,958
		Security System		•		_	41,874
		376,866.000 Labor hours					71,017
720.340		SOUND/PAGING SYSTEM					
	5	PA System	55,832.00	sqft	0.25 /	saft	13,956
		SOUND/PAGING SYSTEM				• -	13,958
720.420		TELE/DATA SYSTEM					
	5	Tele/Data/CATV Raceways	55,832.00	eqft	2.00 /s	sqft	111,664
		TELE/DATA SYSTEM				_	111,664
		SPECIAL SYSTEMS					307,076
		376,866.000 Labor hours					501,010
		18			18.52 /e	qft	1,033,955
		55,832.00 sqft					
		378,044.222 Labor hours					
D	<u></u> _	<u> </u>					
30.000		DEMOLITION			_		

1738.010

Demo: Doors & Windows

40 Remove Interior Door, Frame and Hardware 71.00 ea 113.53 /ea

6,060

						3 PT 23 PT 24 PT 2
item		Description	Takeoff Qty	ı	Total Unit Cost	Amoun
1738.010		Demo: Doors & Windows				
п	40	Remove Exterior Door, Frame and Hardware	22.00	ea	113.53 /ea	2,49
ח	130	Note 3 Remove Aluminum Window System	812.00	sf	4.12 /sf	3,34
		Demo: Doors & Windows	3.2.00	Ψ.		13,90
		329.20 Labor hours				13,80.
1738.050		Demo: Misc Items				
	10	Note 4- Remove Ex Trailers (By Owner)	0.00	68		
1739.010	10	Demo: Finishes, Fioors Remove Flooring	27 200 50	-4		
	10	•	37,389.00	8f	0.85 /sf	31,781
		Demo: Finishes, Floors 1,246.30 Labor hours				31,781
739.040		Demo: Finishes, Wells				
1	30	Note 2- Remove Interior Partition	12,058.00	sf	1.50 /sf	18,087
)	30		1,423.00	sf	2.25 /sf	•
1		Cut Opening & Remove Portion of Exterior Wall	1,000,00	8¶	10.00 /sf	3,202
		for Addition Tie-In	1,000,00	01	10.00 781	10,000
		Demo: Finishes, Wells 472.60 Labor hours				31,289
739.080	20	Demo: Finishes, Ceilings Remove Ceiling	00.070.00			
	20	Demo: Finishes, Ceilings	38,353.00	8f	0.50 /sf	19,177
		383.53 Labor hours				19,177
		DEMOLITION				00.440
		2,431.63 Labor hours				96,148
		02D			1.722/sqft	99,148
		55,832.00 sqft				
		2,431.63 Labor hours				
8H					•	
5500.000		HVAC				
5810.000		Heating Boilers and Acces				
	0201		55,832.00	sqft	13.35 /sqft	746 06-
		Heating Bollers and Acces	00,002.00	эцп	13.35 /8qft	745,357
		1,766,624.00 Labor hours				745,357
5940.000		HVAC Inst. and Conrols				
	1610	HVAC Controls	55,832.00	sqft	4.00 /sqft	223,328
		HVAC Inst. and Conrols	· · ·	• *		223,328
		HVAC	-			968,685
		1,786,624.00 Labor hours				800,003
	•	15H			17.35 /sqft	089 694
					прв. сс. 11	968,685

55,832.00 sqft 1,766,624.00 Labor hours

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						F Total	1.1
ltem		Description		Takeoff Q1	y	Unit Cost	Amoun
16P							
15200.000		PLUMBING					
15300.000	1000	PLUMBING PIPING Plumbing PLUMBING PIPING		55,832.00	sqft	2.00 /sqft	111,664
			Labor hours				111,664
		PLUMBING 55,832.00	Labor hours				111,664
		15P				2.00 /sqft	111,664
		55,832.00 55,832.00	eqīt Labor hours				,
		Renovation		· · · · · · · · · · · · · · · · · · ·		90.593/sqft	5,058,014
		55,832.00 2,223,386.852	sqft Lebor hours				. 4410
Sitework		-m					
		01					
100.000		SITEWORK					
115.000		Site General Condition	ns				
		Site GC's 6% Site Bonding & Fee 8%		- 1.00 1.00	isum Isum	66,000.00 /lsum 93,000.00 /lsum	68,000 93,000
		Site General Condition	18		,	oojooo.oo nagai	161,000
							•
		SITEWORK					181,000
		SITEWORK					
28							181,000
28 100.000	· 						181,000
100.000	· 	01 SITEWORK Site Allowances				·	181,000
· · · · · · · · · · · · · · · · · · ·		01 SITEWORK Site Allowances Courtyard Modifications		17,650.00	sqft	2.25 /sqft	181,000 1 8 1,000 39,713
100.000		01 SITEWORK Site Allowances	fine	17,650.00	sqft	2.25 /sqft	181,000 1 8 1,000

					Total	
Item		Description	Takeoff Qty	!	Unit Coat	Amoun
		Maintenance & Protection				63,266
		160.00 Labor hours				•
		160.00 Equipment hours				
200.000		SITE DEMO				
	19	Sawcut Pavement	500.00	If	5.50 /H	2,750
	19	Rem Baseball Backstop	.77.00	lf	12.00 /lf	924
	19	Rem CL Fence	878.00	lf .	3.50 Af	3,073
	19	Rem Guiderail	30.00		10.00 /H	300
	19	Rem Granite Curb	63.00	If	7.50 /H	623
	19		3.00	68	600.00 /ea	1,800
		Rem Trees Ig	2.00	68	750.00 /ee	1,500
		Rem Trees sm	3.00	68	250.00 /ea	750
_		Rem Conc Pavement	9,332.00	saft	0.85 /sqft	7,932
					•	
		Rem Temp Classrooms & Ramp	4,300.00	sqft	0.75 /sqft	3,225
		Rem Playground Surface	4,239.00	sqft	0.55 /eqft	2,331
		Rem Misc Sm	6.00	88	200.00 /ea	1,200
		SITE DEMO				26,408
		15.71 Labor hours 15.71 Equipment hours				
		SITEWORK				129,385
		175.710 Labor hours	No. of the State of			100
		175.710 Equipment hours				
300.000		EARTHWORK	•			
316.201		Site Exc- Earth			· · · · · · · · · · · · · · · · · · ·	
370.207	40		0.57		55 555 55 1	4
		Site Earthwork	2.57	acre	55,000.00 /acre	141,350
	10	Site Earthwork - Alternate	0.33	acre	55,000.00 /acre	18,150
		Site Exc- Earth				159,500
		0.161 Labor hours				
		0.161 Equipment hours				
370.150		Temp Erosion Control				
		Temp Erosion Control	1.00	lsum	15,000.00 /lsum	15,000
		Temp Erosion Control				15,000
		EARTHWORK				174,500
		0.161 Labor hours				
		0.161 Equipment hours				
530.000		SANITARY				
531.004		Manholes				
	10	Senitary Manhole 4'	2.00	0 8	3;250.00 /ea	8,500
		Connect To Exist	1.00	68	5,000.00 /ea	5,000
		Manhotes	1.00		01000'00 1AB	
						11,500
		3.00 Labor hours 3.00 Equipment hours				
524 404				•		
531.101		Sewer- Di Pipe Push On				
			400.00	1.5		14
_		Sanitary - 6" PVC Pipe Sewer- Di Pipe Push On	180.00	IT	38.00 M	6,840

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Page 21 9/12/2011 12:06 PM

14	B 1. 44						C .
item	Description		Takeoff Qt	y	Unit Cost		Amoun
	SANITARY					<u> </u>	18,340
		Labor hours Equipment hours					
2830.000	STORM DRAINAGE	•					
2630.004	Storm Structures			·	·		
	Stm Cartridge Filter MH		1.00	ls	26,000.00) //a	26,000
	Inlet		5.00		1,200.00		6,000
	Stm Doghouse Connection	on ·	1.00		9,000.00		9,000
_	Inlet		2.00		1,200.00		2,400
	Storm Structures				1,_00.01		43,400
2831.301	HDPE Storm Pipe						
	8" SICPP		172.00		26.00) /lf	4,472
	12" SICPP		498.00		31.00		15,376
_	48" Det System		302.00		152,00		45,904
	12" SICPP		109.00	H.	31.00	/lf	3,379
	HDPE Storm Pipe						69,131
	STORM DRAINAGE				grave graves	Ultr	112,531
2700.000	PAVEMENTS & SURF	ACES					
27 4 0.12 0	Asphalt Paving - SY						
	Asphalt Pavement	1	16,319.00	sqft	4 25	/soft	77,856
	Asphalt Mill & Overlay		31,283.00	saft		/sqft	56,309
	Asphalt Pavement		10,854.00	aqft		/sqft	46,130
_	Asphalt Utility Repair		605.00		13.80	•	8,349
	Asphelt Peving - SY					. –	188,644
750.1 0 0	Concrete Paving						
****	Conc Walk		10,279.00	sqft		/sqft	67,327
-	Conc Walk		552.00	sqft	6.55	/sqft	3,616
	Concrete Paving						70,943
760.100	Pavement Marking 4 Pavement Markings		1.00	lsum	4,200.00	llau una	4.000
	Pavement Marking		1.00	iouiii	4,200.00	//84/17	4,200 4,200
770.110	Curbs		-				
	Granite Curb		663.00	Inft	35.00	/Inft	23,205
	Granite Curb		453.00	Inft	35.00		15,855
	Curbs						39,060
	PAVEMENTS & SURFA	CES					302,847
800.000	SITE IMPROVEMENTS	3					
810.000	Site Amenaties						
	Site Amenaties		1.00	Allo	15,000.00	/Allo	15,000
_	Traffic Signs		10.00	8 8	350.00		3,500
	Site Amenaties						18,500
320.980	Fencing						
	Dumpster Enclosure		1.00	is.	6,500.00	/le	6,500

Item		Description	Takeoff Qty	,	Unit Cost	Amount
2820.980		Fencing				
		4' CL Fence	470.00	Inft	24.00 /lnft	11,280
		Fencing				17,780
2880.200		Playground Equipment				•
_		Playground Surface	4,274.00	sqft	. 10.00 /sqft	42,740
****		Playground Equipment	1.00	ls	40,000.00 /ls	40,000
		Playground Equipment				82,740
		SITE IMPROVEMENTS			·	119,020
2900.000		LANDSCAPE			·	
2920.110		Lewns & Grasses				
П	10	Restore Lawn - Topsoil & Seed	70,000.00	sf	0.37 /af	25,900
		Lawns & Grasses				25,900
2933.200		Trees				
_		Plantings Allowance	1.00	ls.	5,000.00 /ls	5,000
		Trees				5,000
		LANDSCAPE		.,		30,900
		028				887,523
		178.871 Labor hours				
		178.871 Equipment hours				
		Sitework				1,048,523
		178.871 Labor hours				.,070,020
		178.871 Equipment hours			·	

Standard Estimate Report RCSD Modernization

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9/12/2011 12:06 PM

Estimate Totals

Deacrit	tion Amount	Totals
Labor	115,132	
Material	501,713	
Subcontract	14,624,329	
Equipment	1,944,942	
Other	256,433	
	17,442,549	17,442,549
Design Contingency	872,127	
Total		18,314,676

The Pike Company Estimate Breakdown 9/12/2011

Project Name: RCSD Modernization Location: Behool #50

Architect: Clark Patterson Associates

Construction Date: 2012
Building Type: School

Square Pootage:

Addition 56134 sqft Renovation 55332 sqft 1E+05 sqft





CSI BREAKDOWN

	BYETER/ASSEMBLY	Estimate Admitten 9/12/2011	entra de la constantia della constantia de la constantia de la constantia della constantia
Div 1	GENERAL CONDITIONS	\$719,97 0	\$12.83
DIV 28	SITEWORK	\$144,816	\$2,5 6
DIV 2D	DEMOLITION	60	· \$0.00
Div 3	CONCRETE	\$1,007,087	\$17, 0 4
DIV 4	MASONRY	\$2,248,039	\$40.05
DIV 8	METALS	\$441,080 .	\$7.67
DIV 8	WOODS & PLASTICS	\$121,472	82.10
DIV 7	THERMAL & MOISTURE PROTECTION	\$930,323	\$16.57
DIV 8	DOORS & WINDOWS/GLASS	\$599,180	\$10.67
Dly 9	FINISHES	\$948, 8 11	\$10,67
DIV 10	SPECIALTIES	\$168,782	\$2.83
Div 11	EQUIPMENT	\$494,869 .	\$8.82
DIV 12	FURNISHINGS	\$60,138	80.89
DIV 13	SPECIAL CONSTRUCTION	60	60,00
DIv 14	CONVEYING SYSTEMS	\$56,000	\$1.00
DIV 15P	PLUMBING	\$56 1,340	\$10.00
DIY 16H	HVAC	\$1,796,288	\$32,00
DIV 16	ELECTRICAL	\$1,05 8,710	84,84
	SUBTOTAL COST	\$11 536 012	- emoj
	Design Contingency 5,00%	\$566,801	810.10
	NOTAL CONSTRUCTION COST	\$10,002,0319	* SPARCE

<u></u>	
Eddinale-Renovation 9/19/2011	Literary (fen) (Media)
\$263,973	\$4.79
\$0	80.00
\$96,148	\$1.72
\$0	00.00
\$337,792	\$8.05
\$80,000	\$1,43
\$30,360	\$0,64
\$1,159,980	\$20,76
\$132,537	\$2.37
\$782,040	\$13,47
\$59,388	\$1.08
\$0	90.00
\$23, 100	80.41
\$9,072	\$0.18
60	80 ,00
\$111,664	\$2.00
\$983,685	\$17.38
\$1,033,965	\$18,52
\$5,058,014	\$20(49)
\$252,901	\$4.53
\$6;310,916	SUM.

9/12/2011	197.
\$181,000	\$1,
\$867,523	\$1,
60	\$
80	\$1,
\$0	62,
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\$0	\$1
\$0	\$2,
80	87
80	\$1,
60	\$2
\$ 0	94
\$ 0	\$1
\$0	
\$ D	\$1
\$ 0	\$6
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60	62,
\$1(048,523	\$117
\$52,426	\$8'
\$1/100,949	\$18

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\$1,032,339	89.22
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\$96,148	BO.86
\$1,007,087	49.69
62,886,831	44 3,09
5521, 9 80	44,65
\$151,772	\$1.36
\$2,080,283	\$16.67
\$731,7 <i>2</i> 7	\$6.54
\$1,698,961	\$10,17
\$218,170	\$ 1.05
\$494,\$ 4 8	\$4.42
\$73,238	\$0.85
\$9,072	60,08
\$58,000	80.80
\$673,004	\$6.01
\$2,764,973	634,69
\$2,092, 0 65	\$18,69
\$177,4422,649	\$11.57.0
\$872,127	\$7.79
\$18,314,678	8139137

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WORLD OF INQUIRY SCHOOL # 58 PROJECT QUALIFICATIONS 9/12/2011 PHASE: SCHEMATIC ESTIMATE REVISION: BUILDING TYPE (1) RESIDENTIAL RETAIL PEDICATIONAL PROJECT TYPE **☑** RENOVATION ROJECTA WORLD OF INQUIRY SCHOOL # 58 EMPLOYER: ROCHESTER JOINT SCHOOL CONSTRUCTION BOARD ROGHESTER, NEW YORK 14621 JCJ ARCHITECTURE ESTIMATOR IAN TAYLOR RUSCB / GILBANE The estimate excludes the following: A-E Fees CM Fees Testing Agency Fees; Permits, etc. Phasing. Overtime Escalation : Construction Contingency Excavation in contaminated soils. Abatement of hazardous materials. "F.F. and E." (Unless Otherwise Noted) Loose technology equipment (Unless Otherwise Noted) Audio / video equipment (Unless Otherwise Noted) The estimate includes the following -Allowance for General Conditions (10%). Allowance for CM Fee (TBD) (0%). Allowance for Escalation (TBD) (0%). Allowance for Design Contingency (10%). Allowance for Construction Contingency (TBD) (0%) he estimate is based on the following :-Drawings and information prepared by JCJ Architecture: Site are as heightagen Drawing Carda satSha Plansacks as The electrical estimate is based on the following :-ASSUME BRANCH WIRING IN MC CABLE, HOME RUNS IN EMT ASSUME FIRE ALARM WIRING IN BARE TEFLON. INCLUDE TELECOMM CABLING NO MECH WORK CONTROLS NO SITE WORK, NO TRENCHING, CONCRETE OR BACKFILL LV SYSTEMS' WIRING RUN BARE IN CABLE TRAYS

WORLD OF INQUIRY SCHOOL # 58

PROJECT SUMMARY

Draft

TOSCANO CLEMENTS TAYLOR

WORLD OF INQUIRY SCHOOL # 58

PROJECT DIVISIONAL BREAKDOWN

PHASE .	SCHEMATIC ESTIMATE REVISION 4							
GTYP								
RESIDENTIAL	☐ RETAIL [2] EDUCATIONAL							
			:					
PROJECT TYPE:								
☐ NEW CONSTRUCTION	RECTION SECTION SERVICEMENT OF RENOVATION							
· .	WORLD OF INQUIRY SCHOOL #58							
LOCATION: R	ROCHESTER JOHN SCHOOL CONSTRUCTION BOARD ROCHESTER, NEW YORK 14621	BOARD						
	ICJ ARCHITECTI IAP	I PROJECT AREA!	(SE):					
	RISCR / GILBANE		SNO	PENCOLATIONS	The state of the s	TOTAL AME	XINT	
ECT#		TOTAL AREA	32.506		TOTAL AREA 124.435	TOTAL AREA 1 12	124.435	-
								1.
DIVISION	DESCRIPTION	MACUINT	COST/SF	SLASO) CONTRACTOR	AMOUNT COST/1SF	AMOUNT	COST/SF	COMMENTS
T	According	Victorial designations of the control of the contro	のでは、 のでは、	320,055,02				
O MONTO	SHEWARA SHE DDEDABATION	010 010	-		2007/06/2	4 990 E07	40.00	
0220	EADTHWOOD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	の記述を持ち		TALL COLUMN TO THE PARTY OF THE	÷		
03500		3 6			202 O	362 20	02.0	
0000	DRAINAGE AND CONTAINMENT				10, 172	104 748		
2	RASES RAII ASTS DAVEMENT AND	•				2		
02700	APPURTENANCES	3	4		5 783.642 5 6.30	783.642	\$ 6.30	
02800	SITE IMPROVEMENTS AND AMENITIES		1000	**************************************	255,185 \$ 2:05	+		
02300	PLANTING	発送が必然が必要	第二次 · · · · · · · · · · · · · · · · · · ·		\$ 7.06,917	106,917	\$ 0.86	
	THE COLUMN TWO IS NOT		90			-	\$	
ט שעענע	SOPTION	,	On the second	C+0		7,007,007	\$ 62.30	
	CAST-IN-PLACE CONCRETE	\$ 828.242	\$ 25.48			626 242	999	
			等其人表示的 \$2	*	か、またさいなのは、丁からられいをあいる	+-	69	
	SUB-TOTAL	. \$1000	25.48		500 DEC 1040	828,242.	\$ 6.66	
:	MASONRY	美国外的	罗克烈汉		440000000000000000000000000000000000000			
04200	MASONRY UNITS	49				469,842		
36/40	SIMULATED MASONRY	20,000	29'0	第	STATE OF THE PROPERTY OF THE P	819,353	6.58	
	SUB-TOTAL	. 175	15.02				40 36	
000S0	METALS		The state of the s	The second secon	The state of the project control of the state of the stat			
	STRUCTURAL STEEL	\$ 83,925	\$ 27.19			901.925	\$ 7.25	
05300	METAL DECK					104,535		
00250			\$ 239		9	170,150		AND THE PERSON NAMED IN COLUMN
02/00	ORNAMENTAL METAL	子学 (デンス)	等任 带成字章	\$ 101 101	三人のないないない 年のはないというない	٠-	\$ 0.75	
		1000年の日本の	· · · · · · · · · · · · · · · · · · ·		STATES OF THE CONTRACTOR OF	•		
70000	DAYOO AND SI ASTIM	1,004,50U	4 32.14			\$ 1,289,360 \$	10.20	
	ROUGH CARPENTRY	\$ 56.006	177		1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	_	1 28	
06400	ARCHITECTURAL WOODWORK		100			180 153	122	
00690	WOOD AND PLASTIC RESTORATION AND CLEANING	4			9	300.000		
		S	\$ 10 mm		Control of the State of the state of	+	\$	
	TATCH BEIN							

WORLD OF INQUIRY SCHOOL # 58

TOSCANO CLEMENTS TAYLOR

PROJECT DIVISIONAL BREAKDOWN

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										ŀ
L NEW CORSTRUCTION	M RENOVATION	×								
": " [WORLD OF INDE	IRY SCHOOL #58									
1 :	ROCHESTER JOINT SCHOOL CONSTRUCTION BOARD	BOARD								
LOCATION: ROCHESTER, NE	W YORK 14621				-					
JCJ ARCHITECTO	RE	ü	(SF):							
		ADDITIONS	ONS	SWITTEN BENOWATIONS	CALCAST SACRED	NEWS CONTRACTOR		TATAL ALS	1410	
PROJECT#:		TOTALAREA	32,506	SAME AND COME SHAPE OF THE SAME SHAPE SHAP		TOTAL AREA 124 435	124,435	TOTAL AREA 12	124 435	1774
DIVISION	DESCREPTION	ENIDONY	COST/SF	THE COLUMN	3-8/2889	MOUNT	-SO2 (SE	AMOUNT	SONT (SE	STATEMENT OF
07000 THERMAL AND MA	THERMAL AND MOISTURE PROTECTION	The state of the s	The second secon	MANAGEMENT OF THE PARTY OF THE	などはないのとなる					
	THERMAL PROTECTION	A1 774	20 1			いいのかられるなどの			,	
	MEMBRANE ROOFING	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2			を見れてはなる。のから	71.000000000000000000000000000000000000	41,204	\$ 0.33	
	FIRE AND SMOKE PROTECTION	6	•			人名英格兰 人名英格兰	100 m	453,740	3.65	
07900	JOINT SEALANTS				000	出のでいるというという		83,471	29.0	
					000	*		_		
A	SUB-TOTAL	\$ 543.703	4 C C C C C C C C C C C C C C C C C C C			Local Control	て、主なな事を	,		
08000 DOORS AND WINDOWS		8	が 一般の はない ないの はない ないかい ないかい ないかい ないかい ないかい ないかい ないかい		Chill School State		7 (10 mm) (10	\$ 640,632	\$ 5.15	
	DOORS AND FRAMES	DUS PL	Contract of the contract of th				意の語彙を発音の			
08300	SPECIALTY				200		一个种 以下 建二十二	_	\$ 2.99	
08400 ENT	SANCES AND STOREE BOATS		0		30				\$ 0.46	
	MINION		*			がたがらからが経		637,790		
0880	GLAZING		9.00		90 P		変化なるので			
		9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			10年を選択の選挙を発展し		75,000	\$ 0.60	
	SUB-TOTAL	Sp. 118		CHAPTER TO THE PERSON OF THE P		18 (18 (18 (18 (18 (18 (18 (18 (18 (18 (•		
SHSINH 00060		23.	PROPERTY AND		27 H. W. W. W. W.	事が行うなど対象情報を	\$ 1000	2,060,846	\$ 16.56	
<u></u>	PLASTER AND GYPSUM BOARD	\$ 152.306					1. 格别·2.20			
			22.4	073 73 75 75 75		A CONTRACTOR		382,050		
	CEILINGS	1000				のでは、10mmのでは、	\$ 200 min 100	118,599	0.95	
						A	10 to	661,012	٠	
	ACOUSTICAL TREATMENT	17.00					1/2/2/4	794,802 \$	6.39	
	PAINTS AND COATINGS	440.082	00.0		.		\$			
			0.03	2007	17.	Company of the Compan	The second of th	422,348	!	
	SUB-TOTAL	F07.264	27 76		A CONTRACTOR OF THE PROPERTY O	存入を対するともなって	S			
10000 SPECIALTIES		Section Control	17	A PROTECTY	* 18:05 *	建筑物 医乳头虫	\$ LONG CONTRACTOR	2,448,951	19.68	
	VISUAL DISPLAY BOARDS	- ST 200				ののである。	· · · · · · · · · · · · · · · · · · ·		† 	
MOS		700'10	The state of the s	S1108	980	かというないというとうなって	\$	118.155 \$	980	
	O MERS AND VENTER	000		642	* * 100 × **	1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$ 100-3000000	45.475		
5	WALL AND CORNER GLIABOR	000	CLD .	2000	\$ 900	ではないのかがい	5 10 10 10 10 10 10 10 10 10 10 10 10 10			
	El ACOCA ES				\$ 0.2E		9	30.000		
	IDENTIFICATION DEVACES	- COCK	1	900.9	00%	· · · · · · · · · · · · · · · · · · ·	9	٠.		
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FIRE	FIRE PROTECTION SPECIAL TIES	000		00007	261 \$	行の名ととの数数	9			-
			51 O	4200	\$ 0.05	のないないない。	\$ 100 miles to 100 miles	8,400		
		C C C C C C C C C C C C C C C C C C C			*		9	,		
<u></u>	TON ET / BATH ACCESSORIES	37.50		90.25	**** T 0.98	A 100 (100 (100 (100 (100 (100 (100 (100	* 一門は必須の	122.761	08	
		9.335	0Z0	3210	E	多にいかであれる。 では、これでは、これでは、これでは、これでは、これでは、これでは、これでは、これ	9			
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PROJECT DIVISIONAL BREAKDOWN

TOSCANO CLEMENTS TAYLOR

PROJECT DIVISIONAL BREAKDOWN WORLD OF INQUIRY SCHOOL # 58

PHASE:	SCHEMATIC ESTRIATE REVISION 1								
BUILDING TYPE	<u> </u>								
☐ RESIDENTIAL	П кетил. 🗹 вриситоми.					'	:	:	
DOO EAT TABE								١.	
	TO SERVICE STATE OF SER	-							
L. New Landsteller		:.							
PROJECT	WORLD OF WOURY SCHOOL #58		April Andrews	A CONTROL OF THE CONT				V I	
EMPLOYER	ROCHESTER JOINT SCHOOL CONST							,	the Age of the State of the Sta
LOCATION:	_								
A/E:	DCJ ARCHITECTURE	JECI AREA	(10)	SECURIOR STREET, CONTRACTOR OF	SACMETTS COMPACTOR	2Km grant grant to	TOTAL AMOUNT		
500 IETT *	-		22 FAR		TOTAL AREA	124.435	TOTAL AREA	124,435	
			,						military and the second
DIVISION	DESCRIPTION	AMOUNT	203T/3F	A LEGIS AND AND AND AND ADDRESS OF THE PARTY.	LNNOWY	COST / SF	AMOUNT	COST / SF	COMMENTS
11000		ALCOHOL STATE OF THE STATE OF T	Service Control		と の	神経の対象を			
11010	MAINTENANCE EQUIPMENT	· ·		**************************************	3	₩ 新於那些於經濟的資 供	Н		
11050	LIBRARY EQUIPMENT	的程序發展			は、大学のでは、それらいは、まればればればればればればればればればればればればればればればればればればれば	\$	-		
11130	AUDIO-VISUAL EQUIPMENT	2/2	\$	\$			-		
11170	SOLID WASTE HANDLING EQUIPMENT	*	では、自然を行うないが、	X 2000 000 000 000 000 000 000 000 000 0		なるとなるでは、	\$ 000'17	2 22	
11140	FOOD SERVICE EQUIPMENT		200			9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	+		
004	ATT I THE ECONOMINATION OF THE PROPERTY OF THE		070		ははないとうというのは	のは、これのでは、	-		
11480	THERAPEUTIC ECUIPMENT	0876/2 S	\$	801 2 305	49	6	226,980	1.82	
11600	LABORATORY EQUIPMENT	•	建筑建筑	\$ 7 2 2 204 FM 48 1 2 22		のは、大学の大学の	-	\$ 2.19	
					\$ 1966年的高级的影响。	文学是多种的主义	┥		
	SUB-TOTAL	353,530	海里的 類多形形式	89-00 - St. 18-20		・ 一年の一年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	1,336,480 \$	10.74	
12000	FURNISHINGS						210 040		
12300	MANUFACTURED CASEWORK	7	7			100 PM 10		30.0	
12400	FURNISHINGS AND ACCESSORIES	34,130	14			4	8 005 55		
			3				<u> </u>		
	SUB-TOTAL	\$ 259,686	\$ 1.00 Personal Property (1995)	\$ 100 C C C C C C C C C C C C C C C C C C	基本的基本的基本的基本的基本的基本的基本的基本的基本的基本的基本的基本的基本的基	Same of the Same	875,215	5 7.03	. /-
14000	CONVEYING SYSTEMS	STATE OF THE PARTY.				The second second			
14200	ELEVATORS			4:11:3 SOUTH	《 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图		7		
14400	LIFTS	3.	97.0			9	15,000	0.12	
	SUB-TOTAL	100 S6 × 100 S	292	Section with the section of the sect	STATE OF THE PROPERTY OF THE P	のでは、 ないのでは、 ないの	215.000 \$	173	
15000	MECHANICAL - FIRE PROTECTION	は、動いない	THE REPORT OF		Contract Contract	是多数的数据			
15300	FIRE PROTECTION INSTALLATIONS	\$ 24290	\$	\$34.00 \$34.800 \$7.50 m6.91	では、 では、 は、 では、 では、 では、 では、 では、 で	* **************	\$59,190 \$	06.9	
		经过多的时间的现在分	からの変化を		建筑的建筑的		-		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUB-TOTAL IS	18272		1 634,000 p.S 6.019	· 图像张系指点原数多数。	AND	\$59,190 \$	06'9	
15000	MECHANICAL - PLUMBING		国は対象ははいいから		いて はない はない という				
15050	BASIC MATERIALS AND METHODS		100	20 7 10 10 10 10 10 10 10 10 10 10 10 10 10	A M M A M A M A M A M A M A M A M A M A	然是接接機器	-+		
15100	BUILDING SERVICES PIPE	6	\$200 m		•	100 mm 10	-+		
15200	S BILL ST CLE CLU TOTA CARGOLI S				•		-		
0040	TOTAL OF STAND EQUIPMENT	AND THE PERSON NAMED IN			Visit Name of the Control of the Con	4	-+		
DOSCI	IESTING, ADJUSTING AND BALANCING	3016	\$70 ***		4		A Varion	0.28	
	SUB-TOTAL S	\$ 284,102	77.8	10.24	であるないでは、	で 連合 ごない	1,225,371	9.85	
		1		l					

WORLD OF INQUIRY SCHOOL # 58

PROJECT DIVISIONAL BREAKDOWN

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	COLIENSTOCKTHIST DECK	NOW.				``				4 4 4						
EST.		Mental Services				1						00000				.: A.
ILDING TYPE :	r V.		3/4													
] RESIDENTIAL	TRETAIL SEDUCATIONAL		: ·.			<i>:</i> .						V.				
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S ICAT TABE.							· ·,		100 M		<u> </u>		2.7.2	- 78/A		w.
ביו ויברי												7			ii.	21.
☐ NEW CONSTRUCTION	STRUCTION STRUCTION	E-J REMOVATION								١		7				
SOJECT :	WORLD OF INDUIRY SCHOOL # 58	# 58	in the second	 	W. 1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	6. 数章: -							*		يمرا
APLOYER:		CONSTRUCTION	BOARD													
XCATION:		121												14		
/ E	JC.I ARCHITECTURE		PROJE	PROJECT AREA	(SF):	200	1.00	14 48	2.27		8 S. S. S.	1.50				
	P. KSCR / CAI BANE		では	A CONTRACTOR OF	SHO	の政治を	B-44	RENOWATIONS			SITEMORK	35 g 32%	TOTAL AMOUNT	TANK		
OLIECT#	-		10		32.506	5 ESS.		\$ 1 A 2	5.026	TOTAL ARE	TO SHEAR SAN THE SAN SHEET SHE		TOTAL AREA	124,435		
DEVISION	DESCRIPTION	e te et	7	AMOUNT	COST/SF	35	li te s	8	HS MISO	AMOGINT	COSTINE	See	AMOUNT	COST / SF	COMMENTS	SEE
4 Choo	MEGUANICAL UNAC		Service Control	マロー 小様の		Carried Annual Control				作業の意思	· · · · · · · · · · · · · · · · · · ·			200	si.	į,
15060		C AND METHOD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									#	137.011	1.10	-	
15400	NIC IS A	BEILDING SERVICES DIDE		213.033		89.5	3 THE P.		6963		**************************************	100	₩.	\$ 9.63		
15,000		HAZE EDITOR SELECTION		113801	4	5.73	Cart for the	200	2	がきなくの	# 10 mm		 	\$ 12.73		
15800		AIR DISTRIBUTION S	8	282.879		10.6	128.8866	10	200	•	が過ぎる	↔	1,121,546	5 9.01		
15900	HVAC INSTRUMENTATION AND CONTROLS	A AND CONTROL		*237.294		7.30	100	334	06.54.74		いなどの	9	908,625	7.30		T
15950	TESTING ADJUSTING AND BALANCHAG	AND BALANCIN		57.287		2.07	10 OBJ 3 18 18 18 18 18 18 18 18 18 18 18 18 18	35 778	2.08	•	美術的學術學	9 電影	258,161	5 0 2.07		
						1000				· 一次的意义	公司的外班	\$ 200				
		SUB-TOTAL S	77.00	124,294	Act design	10.174 E.S.	A 100 C 100 C	300	17.77	を は 日本の	*D*0122***	3 - 3 - SOF	5,207,692	41.85		
16000	16000 ELECTRICAL					Salah Bandar				が一般の動物を	设置的第三位置的 199 5年	"一个"			şi L	N W
16200		ELECTRICAL POWER	3	301.177	5	13.57	58238	269	87.5	4	場別性のなる。	会は舞り	1,680,374	\$ 13.50		
16500		LIGHTING 8 - 291.690	9	291 690	1	768	2		80.5E		で変えると	· 40	905,574	\$ 7.28		::
16600	S	SPECIAL SYSTEMS 5: 404:375	8 9	404.375	**************************************	244	278.1	3 700	244		新教 对 1000 年 1000	(1) (4) (1) (1)	1,548,279	12.44		
16900		MISCELLANEOUS	S 8	84.516		2.60	S.		192	400		· · · · · · · · · · · · · · · · · · ·	323,983	2.60		
					· · · · · · · · · · · · · · · · · · ·	2000年			建 公司经验	大学 · · · · · · · · · · · · · · · · · · ·	* - S	\$ C.		9	. A.	
		SUB-TOTAL 15 1221,687	T Kanada	1,221,687	15 THE 137 580	17.58	97.73	完全的安全到货和股份的货柜的	新石工能			1 3 See 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,458,210	\$ 35.83	X	: `
TAI FOR	TALEOP CONSTBICTION COST (NET)			8 872 660		21 00 446	1487		X	2 73 177 S 777 S 57		13.84 S 2	26 933 549	s 216.45		fi m
	Conclusion to the contract of	, , , , , ,		The second second second		olo ase	Control Color Control	The state of the s	e en la supra de la como de la co							

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WORLD OF INQUIRY SCHOOL # 58

										9/12/201
PHASE:	SCHEMATIC ES	IMATE REVISION	1		PROJECT ARE	A/SE)				<u> </u>
BUILDING TYPE	:	ML			NEW CONST.	ADDITION	TRE	NOVATION	_	TOTAL
☐ INDUSTRIAL	COMMERCIAL	RESIDENTIAL	☐ RETAIL	☑ EDUCATIONAL	32,506	0	 	0	╫╌	
.:			: "		02,000			U_	١.	32,506
PROJECT TYPE						<u> </u>		: ·	-	_
☐ NEW CONSTR	RUCTION	☑ ADDITION		RENOVATION						
PROJECT:	WORLD OF INQU	JIRY SCHOOL # 58) .					٠		
EMPLOYER:	ROCHESTER JO ROCHESTER, N	INT SCHOOL CON	STRUCTION	BOARD						
A/E:	JCJ ARCHITECT	EW TORK 14621	····							
CM:	RJSCB / GILBAN					······································			···-,	
PROJECT#:	•									
a*		4 1							_	
DIVISION		DE80	CRIPTION	<u></u>	QUANTITY	UNIT	7 0	NIT PRICE	1.	AMOUNT
										7
2 .	ľ			DIVIBION	2 - SITEWORK					·-
02200		SITE PR	EPARATION		QUANTITY	Thirt				
02220			emolition	. "	GOANTIT	UNIT	<u> </u>	NIT PRICE	L.,	AMOUNT
1	Demotish existing	building complete: (two storev		13,308	SF		0.00		
2	Demoilsh existing	brick chimney (Dar	mo Note 25)		10,000	LS	" -	6.00	\$_	79,848
	ļ					 	- 	00,000,00	۳	50,000
02250			d Underpinni	ng						
<u> </u>	Underpinning exis	ting foundations			198	LF	\$	600.00	\$	118,800
		<u> </u>	-				\$	-	65	
02300		EVIS	HWORK		SUB-TOTAL	TA IN			\$	248,648
02315	-		tion and Fill		QUANTITY	UNIT	<u> </u>	NIT PRICE		AMOUNT
1	Excavate @ slab	on grade @ Lower L	evel (Assuma	ed 1' deep)	420	CY.		40.00		
2 - San San Branch	Excavate @ elab	on grade @ Ground	Level (Assun	ned 1' deep }	208	Transcription of	\$	10.00	-30	4,200
3	Excavate @ colur	nn foetings			37	CY	š	25.00	*	2,080 925
44	Excavate @ colur	nn footings; on line o	of / inside exis	ling building	71	CY	1 \$	25.00	\$	1,775
. 5 6	Excavate @ retain	ing / foundation wal	l footings		1,826	CY	\$	25.00	Š	45,650
	Excavate @ eleva	itor pit itor pit; inside existin			27	CY	\$	25.00	\$	675
'8	Backfill	irot bir! iuaide existiil	ig building		27	CY	\$	25.00	\$	675
9	Disposal				852	CY	\$	8,00	\$	6,816
10	Stone base @ gre	de slab @ Lower Le	vel	, , , , , , , , , , , , , , , , , , ,	1,764 11,353	CY	 \$	16.00	\$	28,224
10	Stone base @ gra	de sìab @ Ground L	.evel		5,619	SF SF	- \$ \$	1.00	<u>\$</u>	11,353
					0,0,0		3	1.00	-	5,619
					SUB-TOTAL				.	107,992
02502									5 .	
02500		UTI	LITIES	<u> </u>	QUANTITY	UNIT	UN	VIT PRICE	ş .	AMOUNT
	SEE "SITEWORK	. 37	LITIES	-		UNIT		VIT PRICE	\$.	AMOUNT
02500	SEE "SITEWORK	. 37	LITIES			UNIT	UN \$	VIT PRICE	\$.	AMOUNT
1	SEE "SITEWORK				QUANTITY	UNIT		NIT PRICE	\$.	AMOUNT
02600	SEE "SITEWORK	. 37			QUANTITY SUB-TOTAL		\$	-	\$ \$	AMOUNT
02600 02630		DRAINAGE AN			QUANTITY	UNIT	\$	NIT PRICE	\$ \$	AMOUNT
02600	SEE "SITEWORK	DRAINAGE AN	D CONTAINN		QUANTITY SUB-TOTAL		\$	IT PRICE	\$ \$ \$	AMOUNT
02600 02630		DRAINAGE AN	D CONTAINN		SUB-TOTAL QUANTITY 298	UNIT	\$ \$	-	\$ \$ \$ \$	AMOUNT
1 02600 02630	Perimeter foundat	DRAINAGE AN Storm on drain	D CONTAINN		SUB-TOTAL QUANTITY	UNIT	\$ \$	IT PRICE	\$ \$ \$ \$	AMOUNT 3,576
02600 02630		DRAINAGE AN Storm on drain	D CONTAINN		SUB-TOTAL QUANTITY 298	UNIT	\$ \$	IT PRICE	\$ \$ \$ \$ \$	AMOUNT 3,576
02600 02630	Perimeter foundat	DRAINAGE AN Storm on drain	D CONTAINN		SUB-TOTAL QUANTITY 298 SUB-TOTAL	UNIT	\$ \$	12.00	\$ \$ \$ \$ \$	AMOUNT 3,576 3,576 360,216
02600 02630 1 TOTAL FOR	Perimeter foundat	DRAINAGE AN Storm on drain	D CONTAINN	LENT	SUB-TOTAL QUANTITY 298 SUB-TOTAL	UNIT	\$ \$	IT PRICE	\$ \$ \$ \$ \$ \$ \$	AMOUNT 3,576 3,576
1 02600 02630 1 TOTAL FOR	Perimeter foundat	DRAINAGE AN Storm on drain	D CONTAINM Drainage	DIVISION 3	SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE	UNIT	\$ \$ \$ \$	12.00	\$ \$ \$ \$	AMOUNT 3,576 3,576 360,216
1 02600 02630 1 TOTAL FOR 3	Perimeter foundat	DRAINAGE AN Storm on drain SITEWORK CAST-IN PEA	D CONTAINM Drainage	DIVISION 3	SUB-TOTAL QUANTITY 298 SUB-TOTAL	UNIT	\$ \$ \$ \$	12.00		AMOUNT 3,576 3,576 360,216
1 02600 02630 1 1 TOTAL FOR 3 03300	Perimeter foundat	DRAINAGE AN Storm on drain SITEWORK	D CONTAINM Drainage	DIVISION 3	SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE QUANTITY	UNIT	S S S	12.00		AMOUNT 3,576 3,576 360,216 AMOUNT
1 02600 02630 1 1 TOTAL FOR 3 03300 03310	Perimeter foundat DIVISION 2 -	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura	D CONTAINI Drainage Drainage	DIVISION 3	SUB-TOTAL CUANTITY 298 SUB-TOTAL CONCRETE QUANTITY	UNIT	\$ \$ UN \$ \$ \$	12.00 12.00 12.00		AMOUNT 3,576 3,576 360,216 AMOUNT 19,500
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3	Perimeter foundat DIVISION 2 - Concrete @ colum Concrete @ colum	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura in footings; on line or	D CONTAINM Drainage ACE CONCRE al Concrete If / inside existi	DIVISION 3	SUB-TOTAL GUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71	UNIT UNIT CY CY	\$ \$ \$ UN \$ \$ \$	12.00 12.00 17 PRICE 500.00 600.00		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4	Perimeter foundat DIVISION 2 - Concrete @ colum Concrete @ colum Concrete @ retain	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura	D CONTAINM Drainage ACE CONCRE of Concrete I f / inside existifootings	DIVISION 3	SUB-TOTAL GUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71 605	UNIT UNIT CY CY CY CY	\$ \$ UN \$ \$ \$	12.00 12.00 12.00 17 PRICE 500.00 600.00 500.00		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5	Perimeter foundat DIVISION 2 - Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ retain Concrete @ buttre	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura in footings in footings; on line or	D CONTAINM Drainage CE CONCRE Concrete I Concrete f/inside existifoctings	DIVISION 3	SUB-TOTAL GUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71	UNIT UNIT CY CY CY CY CY CY	\$ \$ \$ UN \$ \$ \$	12.00 		AMOUNT 3,576 3,576 360,216 AMOUNT 19,500 42,600 302,500 155,950
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4	Perimeter foundat DIVISION 2 - Concrete @ colum Concrete @ retain Concrete @ retain Concrete @ buttre Concrete @ plers	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura in footings; on line or ing / foundation wall ing	D CONTAINM Drainage CE CONCRE al Concrete f / Inside existi foetings s	DIVISION 3 TE	SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22	UNIT UNIT CY CY CY CY CY CY CY CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	12.00 - - 12.00 - - 500.00 600.00 600.00 850.00 850.00		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6	Concrete @ colum Concrete @ retain Concrete @ retain Concrete @ retain Concrete @ plers; Concrete @ plers; Concrete @ plers;	DRAINAGE AN Storm on drain SITEWORK GAST-IN PLA Structura in footings; on line or ing / foundation wall ing / foundation wall ing / foundation wall sees on retaining wa on line of / inside ex	D CONTAINM Drainage CE CONCRE al Concrete f / Inside existi foetings s	DIVISION 3 TE	QUANTITY	UNIT UNIT CY CY CY CY CY CY CY CY	\$ \$ \$ UN \$ \$ \$	12.00 		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750 22,000
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 6 6 7	Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ retain Concrete @ buttre Concrete @ piers, Concrete @ piers, Concrete @ piers,	DRAINAGE AN Storm on drain SITEWORK STEWORK STRUCTURE STRUCTURE In footings; on line or ling / foundation wall ling / foundation wall ling / foundation wall ling on retaining was on retaining wall line of / inside extern pit walls	D CONTAINM Drainage CE CONCRE al Concrete f / Inside existi foetings s	DIVISION 3 TE	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71 605 187 15 22 22 18	UNIT CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	12.00 12.00 12.00 1.00 1.00 1.00 1.00 1.		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 2 3 4 5 6 6 7 7	Concrete @ colum Concrete @ retain Concrete @ buttre Concrete @ piers; Concrete @ elevat Concrete @ el	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura in footings on line or ing / foundation wall ing / foundation wall isses on retaining wa on line of / inside ex or pit walls or pit walls or pit base	D CONTAINM Drainage CE CONCRE al Concrete f / Inside existi foetings s	DIVISION 3 TE	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71 605 187 15 22 22 18 9	UNIT UNIT CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	12.00 12.00 12.00 500.00 600.00 500.00 850.00 1,000.00 1,000.00 850.00 600.00		AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750 22,000 24,200
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 6 7 8 9	Concrete @ colum Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ retain Concrete @ piers Concrete @ piers Concrete @ eleval Concrete @ eleval Concrete @ eleval	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structura in footings; on line or ing / foundation wall ing	D CONTAINM Drainage CE CONCRE al Concrete f / inside existi footings salls	DIVISION 3 TE	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22 22 22 18 9 2	UNIT CY	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	12.00 - 12.00 - 12.00 - 100.00 600.00 850.00 850.00 1,000.00 1,100.00 1,000.00 1,000.00	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	AMOUNT 3,576 3,576 360,216 AMOUNT 18,500 42,800 302,500 158,950 22,000 24,200 24,200 15,300 5,400 2,000
1 02800 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 6 7 8 9	Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ piers Concrete @ piers Concrete @ elevat Concrete @ elevat (X-Cost) Su Concrete @ slab o	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structurs in footings; on line or ing / foundation wall ing	D CONTAINM Drainage CE CONCRE al Congrete f/ inside existi footings s sisting building	DIVISION 3 TE	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71 605 187 15 22 22 21 18 9 2 11,353	UNIT LF CY	UN	12.00 		AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750 22,000 24,200 15,300 5,400 2,000 79,471
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 6 7 8 9	Concrete @ column Concrete @ column Concrete @ retain Concrete @ piers; Concrete @ piers; Concrete @ piers; Concrete @ elevat (X-Cost) Su Concrete @ slab of Concret	DRAINAGE AN Storm on drain SITEWORK GAST-IN PLA Structura in footings; on line or ing / foundation wall ing	D CONTAINM Drainage ACE CONCRE al Concrete If / Inside existi footings s aits isting building evel; 5" thick evel; 5" thick und Level; 3"	DIVISION 3 TE ing building	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22 22 22 18 9 2 11,353 5,619 14,304	UNIT LF CY SP EA SF SF	UN	12.00 12.00 10.00 10	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750 22,000 15,300 2,000 79,471 39,333
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13	Concrete @ column Concrete @ retain Concrete @ retain Concrete @ piers; Concrete @ piers; Concrete @ pieva (X-Cost) Su Concrete @ slab of Concre	DRAINAGE AN Storm on drain SITEWORK GAST-IN PLA Structura in footings; on line or ing / foundation wall ing	D CONTAINM Drainage ACE CONCRE al Concrete If / Inside existi footings s aits isting building evel; 5" thick evel; 5" thick und Level; 3"	DIVISION 3 TE ing building	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22 22 22 18 9 2 11,353 5,619 14,304	UNIT LF CY	UN	12.00 12.00 10.00 10	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 12,750 22,000 24,200 15,300 5,400 2,000 79,471
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 7 7 8 8 9 10 11 12 13	Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ plers Concrete @ plers Concrete @ elevat Concrete @ elevat (X-Cost) Su Concrete @ slab o Concrete @ slab o Concrete @ linfill @ Concrete @ linfill @ thick	DRAINAGE AN Storm on drain SITEWORK Structura in footings on line or ing / foundation wall ing / foundation wall ing / foundation wall ing on line of / inside ex ion pit walls or pit base in grade @ Lower Le in grade @ Cround I gmatel deck @ Ground gmatel deck @ Ground gmatel deck @ Ground gmatel deck @ Ground	D CONTAINM Drainage ACE CONCRE AI Concrete If / inside existif footings sails Aisting building Ai	DIVISION 3 TE ing bullding /2" thick ide existing bullding; 3 1//	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL CONCRETE QUANTITY 37 71 605 187 15 22 22 18 9 2 11,353 5,619 11,391	UNIT UNIT CY SF SF SF	UN	12.00 12.00 - 12.00 - 12.00 - 12.00 - 12.00 12.0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 22,000 15,300 24,200 15,300 5,400 2,000 79,471 39,333 56,955
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13	Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ plers Concrete @ plers Concrete @ plers Concrete @ elevat Concrete @ elevat Concrete @ sleb o Concrete @ sleb o Concrete @ infill @	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structurs in footings on line or ing / foundation wall ing / foundation ing / fo	D CONTAINN Drainage CE CONCRE of Concrete of Inside existing building sisting building evel; 5" thick evel; 5" thick und Level; 3 1 und Level; 13 1 und Level; 13 1	DIVISION 3 TE Ing building /2" thick Ide existing building; 3 1//	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22 22 18 9 2 11,353 5,619 11,391 27 2,498	UNIT LF CY SP EA SF SF	UN	12.00 	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,800 302,500 158,950 22,000 24,200 24,200 15,300 5,400 2,000 79,471 39,333 56,955 14,988
1 02600 02630 1 1 TOTAL FOR 3 03300 03310 1 2 3 4 5 6 7 7 8 8 9 10 11 12 13	Concrete @ colum Concrete @ colum Concrete @ retain Concrete @ plers; Concrete @ plers; Concrete @ pleva (X-Cost) Su Concrete @ slab o Co	DRAINAGE AN Storm on drain SITEWORK CAST-IN PLA Structurs in footings on line or ing / foundation wall ing / foundation ing / fo	D CONTAINM Drainage CE CONCRE al Concrete al Concrete f/ inside existi foetings s sisting building evel; 5" thick evel; 5" thick und Level; 3 1" und Level; 3 1" high School D ler Level; 3 1"	DIVISION 3 TE ing bullding /2" thick ide existing bullding; 3 1//	QUANTITY SUB-TOTAL QUANTITY 298 SUB-TOTAL - CONCRETE QUANTITY 37 71 605 187 15 22 22 18 9 2 11,353 5,619 11,391 27 2,498	UNIT CY CY CY CY CY CY CY CY CY SF SF SF	UN	12.00 12.00 - 12.00 - 12.00 - 12.00 - 12.00 12.0	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 3,576 3,576 3,576 360,216 AMOUNT 18,500 42,600 302,500 158,950 22,000 15,300 24,200 15,300 5,400 2,000 79,471 39,333 56,955

WORLD OF INQUIRY SCHOOL # 58



				1. A		9/12/2011
17	Concrete @ infill @ metal steirs; from Lower Level to Ground Level; 21 treads, 22 risers; including railings					
	Concrete @ infill @ metal stairs; from Ground Level to Upper Level; 21 treads,	11	FLT	\$ 1,300	00 \$	1,300
18	22 risers; including rallings	1	FLT	\$ 1,300		4 000
	Concrete @ infili @ metal stairs; from first quarter space lending (of stair from			\$ 1,300	00 \$	1,300
	Lower Level to Ground Level) to Staff Dining; 14 treads, 15 risers; including					
19	rallings	1	FLT	\$ 1,000	00 \$	1,000
	Concrete @ Infill @ metal stairs; from Main Lobby to Ground Level; 6 treads, 7					
20	risers,8' 2 3/4" wide; including railings Concrete @ infili @ metal stairs; from Main Lobby to Ground Level; 8 treads, 7	1	FLT	\$ 750	00 \$	750
21	Irisers,8' 11" wide; Including railings	1	E1.7			
		 	FLT	\$ 1,000	00 8	1,000
		SUB-TOTAL		<u> </u>	- 🐉	828,242
TOTAL FOR	DIVISION A CONCRETE			·	1.7	
TOTAL FOR	DIVISION 3 - CONCRETE	<u>-</u> -			. \$	828,242
4	DIVISION 4	- MASONRY				
04200	MASONRY UNITS	QUANTITY	UNIT	UNIT PRICE		AMOUNT
04210	Clay Masonry Units			Oldi Pido	` 	AMOUNT
1	Face brick veneer @ exterior wall @ Lower Level	2,592	SF	\$ 25.	00 \$	64,800
2	Face brick veneer @ exterior wall @ Ground Level	3,950	SF		00 \$	98,760
. 3	Face brick veneer @ exterior well @ Upper Level	4,364	8F		00 \$	109,100
44	Face brick veneer detailing (Allowance)	1	LS	\$ 20,000		20,000
04220	Concrete Masonry Units					
<u>1</u> _	CMU @ back-up @ exterior wall @ Lower Level	2,592	SF	\$ 12.	00 \$	31,104
	CMU @ back-up @ exterior wall @ Ground Level	3,950	SF	\$ 12.		47,400
3 4	CMU @ back-up @ exterior wall @ Upper Level (X-Cost) Acoustic CMU	4,364	SF	\$ 12.		52,368
and the transfer of the second section of the	A-coat / Accoate Coto	9,264	SF		00 '\$	46,320
		SUB-TOTAL	<u></u>		\$	744 428
	SIMULATED MASONRY		UNIT	UNIT PRICE	- 1	469,842 AMOUNT
04700		A MUANINY				AMOUNI
04700 04720	Cast Stone	QUANTITY	OAT!	DINI FRIOR	_	
		1	LS			
	Cast Stone	1		\$ 20,000.		20,000
	Cast Stone			\$ 20,000.		
04720 1	Cast Stone Cast stone features (Allowance)	1		\$ 20,000.	00 \$ \$	20,000
	Cast Stone	1		\$ 20,000.		20,000
04720 1 TOTAL FOR	Cast Stone Cast stone features (Allowance) DIVISION 4 - MASONRY	1 SUB-TOTAL		\$ 20,000.	00 \$ \$	20,000
04720 1 TOTAL FOR	Cast Stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5	1		\$ 20,000.	00 \$ \$	20,000
04720 1 TOTAL FOR 5 05100	Cast Stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5	1 SUB-TOTAL		\$ 20,000.	00 \$ \$ \$	20,000
04720 1 TOTAL FOR 5 05100 08120	Cast Stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel	SUB-TOTAL - METALS - QUANTITY	LS	\$ 20,000.	00 \$ \$ \$	20,000 20,000 469,842
04720 1 TOTAL FOR 5 05100 05120	Cast Stone	SUB-TOTAL - METALS QUANTITY 31	UNIT TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250.	00 \$ \$ \$	20,000 20,000 469,842 AMOUNT
04720 1 TOTAL FOR 5 05100 05120 1 2	Cast Stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building	SUB-TOTAL - METALS QUANTITY 31 9	UNIT TONS TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000.	00 \$ \$ \$ \$ \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000
04720 1 TOTAL FOR 5 05100 05120	Cast Stone	SUB-TOTAL - METALS QUANTITY 31	UNIT TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250.	00 \$ \$ \$ \$ \$ 00 \$	20,000 20,000 469,842 AMOUNT
04720 1 TOTAL FOR 5 05100 05120 1 2 3	Cast Stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level	SUB-TOTAL - METALS QUANTITY 31 9 43	UNIT TONS TONS TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250.	00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ 00 \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ 00 \$ \$ \$ \$ 00 \$ \$ \$ \$ 00 \$ \$ \$ \$ 00 \$ \$ \$ \$ 00 \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ 00 \$ \$ \$ \$ \$ \$ \$ \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750
04720 1 TOTAL FOR 5 05100 05120 1 2	Cast Stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural Steel @ columns on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level	SUB-TOTAL - METALS QUANTITY 31 9 43 9	UNIT TONS TONS TONS TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250.	00 \$ \$ \$ \$ 00 \$ 00 \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 38,000 139,750 36,000
04720 1 TOTAL FOR 5 05100 05120 1 2 3	Cast Stone Cast Stone Cast Stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural Steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level	- METALS QUANTITY 31 9 43	UNIT TONS TONS TONS TONS TONS TONS	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250.	00 \$ \$ \$ \$ 00 \$ 00 \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250.	90 \$ \$ \$ 90 \$ 90 \$ 90 \$ 90 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500
04720 1 TOTAL FOR 5 05100 08120 1 2 3	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns Structural steel @ columns Ground Level Structural steel @ floor framing @ Ground Level; inaide existing building Structural steel @ floor framing @ Upper Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel illing beams @ elevator shafts	- METALS QUANTITY 31 9 43	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 3,250.	90 \$ \$ \$ \$ 30 \$ 50 \$ 50 \$ 50 \$ 50 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level;	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250.	90 \$ \$ \$ \$ 30 \$ 50 \$ 50 \$ 50 \$ 50 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel iffing beams @ slevator shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 3,260. \$ 1,000.	00 \$ \$ \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ floor support for new live load @ Ground Level; Inside existing framing / floor support for new live load @ Ground Level; Inside existing framing / floor support for new live load @ Upper Level;	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 66 16 2 5,974	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 3,260. \$ 1,000.	00 \$ \$ \$ 00 \$ 00 \$ 00 \$ 00 \$ 00 \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Upper Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building	1 SUB-TOTAL - METAL6 QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 3,260. \$ 1,000. \$ 26.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Roof Level; building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 66 16 2 5,974	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 3,260. \$ 3,260. \$ 3,260. \$ 3,260. \$ 3,260. \$ 3,260. \$ 3,260. \$ 3,260.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000 149,350
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Upper Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building	1 SUB-TOTAL - METAL6 QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923	UNIT TONS TONS TONS TONS TONS TONS TONS SONS TONS T	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000 149,350 48,075
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Inside existing building Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1	UNIT TONS TONS TONS TONS TONS TONS TONS EA SF SF TONS	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 25.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 35,000 214,500 52,000 2,000 149,350 48,075 50,000 10,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Upper Level Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffting beams @ slevetor shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, engles, brackets - Allowance	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 SUB-TOTAL	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,260. \$ 3,260. \$ 1,000. \$ 26. \$ 5,000. \$ 10,000.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 149,350 48,076 50,000 10,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ durnage - Allowance Miscellaneous steel lintels, engles, brackets - Allowance	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1	UNIT TONS TONS TONS TONS TONS TONS TONS EA SF SF TONS	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 35,000 214,500 52,000 2,000 149,350 48,075 50,000 10,000
04720 1 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9	Cast stone Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel ilfling beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, engles, brackets - Allowance METAL DECK Steel Deck	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 SUB-TOTAL QUANTITY	UNIT TONS TONS TONS TONS TONS TONS TONS EA SF TONS LS	\$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 3,260. \$ 1,000. \$ 25.6 \$ 25.6 \$ 10,000.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 214,500 2,000 149,350 48,075 50,000 10,000 - 883,925 AMOUNT
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 05300 05310	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shefte Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance METAL DECK Steel Deck Metal deck @ floor framing @ Ground Level; 11/2" x 20 gauge	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 SUB-TOTAL	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,260. \$ 3,260. \$ 1,000. \$ 26. \$ 5,000. \$ 10,000.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 149,350 48,076 50,000 10,000
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel iffting beams @ slevetor shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, engles, brackets - Allowance Miscellaneous steel lintels, engles, brackets - Allowance Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; Inside existing building	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,577	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 1,000. \$ 26. \$ 5,000. \$ 10,000. \$ 10,000. \$ 2.5.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 38,000 139,750 36,000 45,500 214,500 52,000 149,350 48,075 50,000 10,000 883,925 AMOUNT 23,943
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 05300 05310	Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel infing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,677 1,765	UNIT TONS TONS TONS TONS TONS TONS TONS TO	\$ 20,000. \$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 10,000. \$ 26. \$ 25.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 214,500 52,000 2,000 149,350 48,075 50,000 10,000 10,000 883,925 AMOUNT 23,943 4,388
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12	Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel infing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,577	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 1,000. \$ 26. \$ 5,000. \$ 10,000. \$ 10,000. \$ 2.5.	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 38,000 139,750 36,000 45,500 214,500 52,000 149,350 48,075 50,000 10,000 883,925 AMOUNT 23,943
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1	Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel illing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge; inside existing building	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 - 88 16 2 - 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,677 1,765 1,815	UNIT TONS TONS TONS TONS TONS TONS TONS TON	UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 10,000. \$ 10,000. \$ 2. UNIT PRICE \$ 2.5	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000 149,350 48,075 50,000 10,000 - 883,925 AMOUNT 23,943 4,388 4,538
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level Structural steel @ roof framing @ Roof Level Structural steel @ roof framing @ Roof Level; over existing building Structural steel integrating peams @ elevator shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Structural steel integrating framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance METAL DECK Steel Deck Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge; inside existing building Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge; inside existing building Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,677 1,765	UNIT TONS TONS TONS TONS TONS TONS TONS TO	### 20,000. ### 20,000. ### 3,250. ### 4,000. ### 3,250. ### 3,	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMCUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000 149,350 48,076 50,000 10,000 883,925 AMCUNT 23,943 4,388 4,538 1,858
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; Inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge	1 SUB-TOTAL - METALS - QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL - QUANTITY 9,577 1,765 1,815 743	UNIT TONS TONS TONS TONS TONS TONS TONS EA SF TONS LS UNIT SF SF SF	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 10,000. \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 38,000 139,750 36,000 45,500 214,500 52,000 149,350 48,075 50,000 10,000 883,925 AMOUNT 23,943 4,388 4,538 1,858 13,798
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1 2 3	Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Structural steel @ floor framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; Inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Roof Level; 1 1/2" x 22 gauge; over existing Metal deck @ roof framing @ Roof Level; 1 1/2" x 22 gauge; over existing Metal deck @ roof framing @ Roof Level; 1 1/2" x 22 gauge; over existing	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 88 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,577 1,765 1,815 743 5,519	UNIT TONS TONS TONS TONS TONS TONS TONS TON	UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 10,000. \$ 10,000. \$ 2. UNIT PRICE \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMCUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 2,000 149,350 48,076 50,000 10,000 883,925 AMCUNT 23,943 4,388 4,538 1,858
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1	Cast stone Cest stone features (Allowance) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shafts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Reconstruct existing framing / floor support for new live load @ Upper Level; inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; Inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Upper Level; 1 1/2" x 22 gauge	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 88 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,577 1,765 1,815 743 5,519	UNIT TONS TONS TONS TONS TONS TONS TONS TON	\$ 20,000. \$ 20,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 3,250. \$ 1,000. \$ 26. \$ 26. \$ 25. \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 38,000 139,750 36,000 45,500 214,500 52,000 149,350 48,075 50,000 10,000 883,925 AMOUNT 23,943 4,388 4,538 1,858 13,798
04720 1 TOTAL FOR 5 05100 05120 1 2 3 4 5 6 7 8 9 10 11 12 06300 05310 1 2 3	Cast stone features (Allowance) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural Steel @ columns Structural steel @ columns Structural steel @ columns; on line of / Inside existing building Structural steel @ floor framing @ Ground Level; Structural steel @ floor framing @ Ground Level Structural steel @ floor framing @ Ground Level; inside existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel @ roof framing @ Roof Level; over existing building Structural steel iffing beams @ elevator shefts Reconstruct existing framing / floor support for new live load @ Ground Level; inside existing building Structural steel @ floor framing / floor support for new live load @ Upper Level; inside existing building Structural steel @ dunnage - Allowance Miscellaneous steel lintels, angles, brackets - Allowance Metal deck @ floor framing @ Ground Level; 1 1/2" x 20 gauge; Inside existing building Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Ground Level; 1 1/2" x 22 gauge Metal deck @ floor framing @ Roof Level; 1 1/2" x 22 gauge; over existing Metal deck @ roof framing @ Roof Level; 1 1/2" x 22 gauge; over existing Metal deck @ roof framing @ Roof Level; 1 1/2" x 22 gauge; over existing	1 SUB-TOTAL - METALS QUANTITY 31 9 43 9 14 68 16 2 5,974 1,923 10 1 1 SUB-TOTAL QUANTITY 9,577 1,765 1,815 743 5,519 17,483	UNIT TONS TONS TONS TONS TONS TONS TONS TO	UNIT PRICE \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 4,000. \$ 3,250. \$ 1,000. \$ 26. \$ 25. \$ 10,000. \$ 10,000. \$ 2. UNIT PRICE \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5 \$ 2.5	00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,000 20,000 469,842 AMOUNT 100,750 36,000 139,750 36,000 45,500 214,500 52,000 149,350 48,075 50,000 10,000 10,000 883,925 AMOUNT 23,943 4,388 4,538 1,858 13,798 43,658

WORLD OF INQUIRY SCHOOL # 58



05500	METAL FABRICATIONS	QUANTITY			
05510	Stairs and Jackdore	WOMEN T	UNIT	UNITPRICE	AMOUN
	Metal stairs; @ newly formed Corridor @ rear of Stage: 7 treads, 8 risers:				
11	Including handrallings	1 , 1		7 (1) (1) (1) (1) (1) (1) (1) (1)	
		11	FLT	\$ 5,000.00	\$
	Metal exterior fire escape staircase from Upper Level to grade; 23 treads, 23	1		- 15 A	
2	risers, 1 quarter-space landing, 1 access landing; including handrallings	1			ļ.
3	Ladders @ elevator pits	11	EA	\$ 15,000.00	\$1:
	- The state of the	11	EA	\$ 1,000.00	
05520	Mandalla and Burn				\$
	Handralle and Reilinge Miscellaneous handrailings		·		<u> </u>
	missonaliecus narkitaliings	1	LS	\$ 5,000,00	
05580				υ υ,υυυ.υυ	.5
	Formed Metal Fabrications				·
- <u>-</u>	Canopy @ Entrance	226	SF	4 - 189 24	
	Column covers; decorative (Allowance)	 	LS	\$ 125.00	\$ 28
3	Elevator sill plates @ Lower Level	┦┈┈┈ ┼		\$ 10,000.00	\$ 10
4	Elevator sill plates @ Ground Level	 	EA	\$ 160.00	\$
5	Elevator sill plates @ Upper Level		EA	\$ 150.00	\$
6 J	Bike racks (Allowanca)	1	EA	\$ 150.00	\$
7	Miscelianeous metal fabrications	11	<u>EA</u>	\$ 3,000.00	\$ 3
		1.	LS	\$ 10,000.00	\$ 10
أسنتهم				\$	\$
05700	ORNAMENTAL METAL	SUB-TOTAL			\$ 77
05710		QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Ornamental Stairs Ornamental metal stairs				701100141
	Ornamental metal stairs	SE	E "RENOVATIOI	Ne*	\$
	·			· · · · · · · · · · · · · · · · · · ·	\$
AL FOR	DIVISION 5 - METALS	SUB-TOTAL			\$ \$ 1,064,
	DIVISION 8 - WOO	D AND PLASTIC	<u> 1529 - Jan</u>		\$
6	DIVISION B - WOO		CS UNIT	UNITPRICE	\$ \$ 1,064;
08100 06105	ROUGH CARPENTRY Miscellaneous Carpentry	D AND PLASTIC	<u> 1529 - Jan</u>		\$
6 06100 06105	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage	OD AND PLASTIC	<u> 1529 - Jan</u>	UNIT PRICE	\$ 1,064; AMOUNT
6 06100 06105	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry	D AND PLASTIC	UNIT	UNIT PRICE \$ 25.00	\$ 1,064;; AMOUNT \$ 23,
6 06100 06105	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage	OD AND PLASTIC	UNIT	UNIT PRICE	\$ 1,064; AMOUNT
6 05100 06105 1 F	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry	OD AND PLASTIC	UNIT	UNIT PRICE \$ 25.00	\$ 1,064,3 AMOUNT \$ 23, \$ 32,
05100 06105 1 F 2 A	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK	QUANTITY 940 32,506	UNIT SF GSF	\$ 25.00 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32.
08100 08105 1 F 2 A	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood States and Relitors	QUANTITY 940 92,506	UNIT	UNIT PRICE \$ 25.00	\$ 1,064,3 AMOUNT \$ 23, \$ 32,
08100 08105 1 F 2 A	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK	QUANTITY 940 32,506 SUB-TOTAL QUANTITY	UNIT SF GSF UNIT	\$ 25.00 \$ 1.00 UNIT PRICE	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT
08100 08105 1 F 2 A 08400 08430	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings	QUANTITY 940 92,506	UNIT SF GSF	\$ 25.00 \$ 1.00 UNIT PRICE	\$ 1,064; AMOUNT \$ 23, \$ 32.
08100 08105 1 F 2 N 08400 08430 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Piatform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall	QUANTITY 940 32,506 SUB-TOTAL QUANTITY	UNIT SF GSF UNIT	\$ 25.00 \$ 1.00 UNIT PRICE	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT
06100 06105 1 F 2 A 06400 08430 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stools @ windows	QUANTITY 940 32,506 SUB-TOTAL QUANTITY	UNIT SF GSF UNIT EA	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
06100 06105 1 F 2 A 06400 08430 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Piatform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall	940 940 32,506 SUB-TOTAL QUANTITY 2	UNIT SF GSF UNIT EA	\$ 25.00 \$ 1.00 UNIT PRICE \$ 1,260.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
06100 06105 1 F 2 A 06400 08430 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stools @ windows	QUANTITY 940 32,506 SUB-TOTAL QUANTITY	UNIT SF GSF UNIT EA	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,6
06100 06105 1 F 2 A 06400 08430 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stools @ windows	940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506	UNIT SF GSF UNIT EA	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
08100 06105 1 F 2 A 06400 08430 1 V 08450 1 V 2 S	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; Including handrell Standing and Running Trim Wood stools @ windows Standing and running trim	940 940 32,506 SUB-TOTAL QUANTITY 2	UNIT SF GSF UNIT EA	\$ 25.00 \$ 1.00 UNIT PRICE \$ 1,260.00 \$ 0,50 \$ 1.00	\$ 1,064, AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,6
08100 06105 1 F 2 A 06400 08430 1 V 08450 1 V 2 S	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; Including handrell Standing and Running Trim Wood stools @ windows Standing and running trim	940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506	UNIT SF GSF UNIT EA	\$ 25.00 \$ 1.00 UNIT PRICE \$ 1,260.00 \$ 0,50 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
08100 06105 1 F 2 A 06400 08430 1 V 08450 1 V 2 S	ROUGH CARPENTRY Miscellaneous Carpentry Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stools @ windows	940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506	UNIT SF GSF UNIT EA	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 1,000 \$ 1.000 \$ 1.000	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
08100 08105 1 F 2 A 08400 08430 1 V 06450 1 W 2 S	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stobis @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS	940 940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506	UNIT SF GSF UNIT EA GSF GSF	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 1,000 \$ 1.000 \$ 1.000	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
08100 08105 1 F 2 A 06400 08430 1 V 08450. 1 W 2 S	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stobis @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS	940 940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506	UNIT SF GSF UNIT EA GSF GSF	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 1,000 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
08100 08105 1 F 2 A 06400 08430 1 V 06450. 1 S AL FOR C	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Nood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND	QUANTITY 940 32,506 SUE-TOTAL QUANTITY 2 32,506 32,506 32,508 SUE-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 0.50 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 4MOUNT \$ 2,0 \$ 16,0 \$ 32,5 \$ 107,20
06100 06105 1 F 2 A 06400 08430 1 V 06450 1 V 2 S AL FOR D	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Nood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building houseston	940 940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506	UNIT SF GSF UNIT EA GSF GSF	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 1,000 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 4MOUNT \$ 2,0 \$ 16,0 \$ 32,5 \$ 107,20
06100 06105 1 F 2 A 06400 08430 1 V 06450 1 V 2 S AL FOR D	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Nood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building houseston	940 92,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506 32,506 32,508 SUB-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION UNIT	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 0.50 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0
06100 06105 1 F 2 A 06400 08430 1 V 06450 1 V 2 S AL FOR D	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings Wood stairs @ Stage; including handrell Standing and Running Trim Wood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION	QUANTITY 940 32,506 SUE-TOTAL QUANTITY 2 32,506 32,506 32,508 SUE-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 0,50 \$ 1.00 \$	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0 \$ 16,2 \$ 107,20 AMOUNT
08100 08105 1 F 2 A 06400 08430 1 V 08450 1 V 2 S AL FOR D 07200 07210	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrell Standing and Running Trim Wood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building Insulation	940 92,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506 32,506 32,508 SUB-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION UNIT	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 0.50 \$ 1.00	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0 \$ 18,2 \$ 107,20
08100 08105 1 F 2 A 06400 08430 1 V 08450 1 V 2 S AL FOR D 07200 07210	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings Wood stairs @ Stage; including handrall Standing and Running Trim Nood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building insulation Standing insulation	940 940 92,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506 32,508 SUB-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION UNIT	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 0,50 \$ 1.00 \$	\$ 1,064; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,0 \$ 16,2 \$ 107,20 AMOUNT
06100 06105 1 F 2 A 06400 08430 1 V 06450 1 S AL. FQR C 7 07200 07210 1 In 07260 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Raillings Wood stairs @ Stage; including handrall Standing and Running Trim Wood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building Insulation suletion @ exterior wall Vapor Retarders	940 940 92,506 SUB-TOTAL QUANTITY 2 32,506 32,506 32,506 32,508 SUB-TOTAL	UNIT SF GSF UNIT EA GSF GSF OTECTION UNIT	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 1,250.00 \$ 1.00 \$ 1.00 \$ 2.00 \$ 2.00 \$ 3	\$ 1,064,3
06100 06105 1 F 2 A 06400 08430 1 V 06450 1 S AL. FQR C 7 07200 07210 1 In 07260 1 V	ROUGH CARPENTRY Miscellaneous Carpentry Platform structure @ Stage Miscellaneous rough carpentry ARCHITECTURAL WOODWORK Wood Stairs and Railings Wood stairs @ Stage; including handrall Standing and Running Trim Nood stools @ windows Standing and running trim DIVISION 6 - WOOD AND PLASTICS DIVISION 7 - THERMAL AND THERMAL PROTECTION Building insulation Standing insulation	QUANTITY 940 32,506 SUB-TOTAL QUANTITY 2 32,506 32,508 SUB-TOTAL QUANTITY 10,908	UNIT SF GSF UNIT EA GSF GSF OTECTION UNIT	UNIT PRICE \$ 25.00 \$ 1.00 UNIT PRICE \$ 0,50 \$ 1.00 \$	\$ 1,064;; AMOUNT \$ 23, \$ 32, \$ 56, AMOUNT \$ 2,1 \$ 16,2 \$ 107,26 AMOUNT 21,8

WORLD OF INQUIRY SCHOOL # 58



PROJECT DETAILED ESTIMATE - ADDITIONS

9/12/2011 MEMBRANE ROOFING 07500 QUANTITY UNIT UNIT PRICE AMOUNT. 07500 Membrane Roofing Roofing system @ Main Roof 17,463 8F 20.00 349,260 Roofing system @ Roof over existing building 4,222 SF 20.00 84,440 3 Roofing system @ Roof Garden 1,002 SE 20.00 20,040 SUB-TOTAL 453,740 07800 FIRE AND SMOKE PROTECTION QUANTITY UNIT UNIT PRICE AMOUNT 07810 Applied Fireproofing Patching @ existing spray applied fireproofing at steel framing 32,508 GSF 0.50 16,253 07841 Through-Penetration Firestop Systems Miscellaneous fire stopping, 32,500 GSF 0.50 16,253 SUB-TOTA 32,506 07900 JOINT SEALERS QUANTITY UNIT AMOUNT UNIT PRICE 07921 Joint Sealants Miscellaneous Joint sealants 32,506 GSF 0.50 18,253 **SUB-TOTAL** 16,253 TOTAL FOR DIVISION 7 - THERMAL AND MOISTURE PROTECTION 502,499 DIVISION 8 - DOORS AND WINDOWS 8 08100 DOORS AND FRAMES QUANTITY UNIT UNIT PRICE AMOUNT 08100 Doors and Frames Exterior doors @ Lower Level; steel; Type C; double; including frames and hardware PAIRS 2,000.00 4,000 Exterior doors @ Lower Level; steel; Type D; double; Including frames and .2 hardware PAIRS 1 \$ 2,000.00 2,000 Exterior doors @ Ground Level; steel; Type D; double; including frames and hardware 10 PAIRS \$ 2,000.00 20,000 Exterior doors @ Upper Level; steel; Type C; single; including frames and EΑ 1,500.00 1,500 Exterior doors @ Upper Level; steel; Type D; double; including frames and hardware **PAIRS** \$ 2,000.00 4,000 Interior doors @ Lower Level; wood; Type A; double; including frames and R hardware PAIRS 2,000.00 2,000 Interior doors @ Lower Level; hollow metal; Type A; single; including frames and hardware 1,500.00 1,500 (X-Cost) Fire-rating; 90 minutes EΑ 100.00 100 Interior doors @ Ground Level; wood; Type A; double; including frames and 9 hardware 12 PAIRS 2,000.00 24,000 Interior doors @ Ground Level; hollow metal; Type A; single; including frames 10 and hardware 3 EΑ 1,500.00 4,500 nterior doors @ Ground Level; steel; Type D; double; including frames and 11 hardware PAIRS 2,000.00 8,000 interior doors @ Upper Lower Level; wood; Type A; single; including frames 12 2 EΑ 1,500.00 3,000 SUB-TOTA 74,600 08300 SPECIALTY DOORS QUANTITY UNIT UNIT PRICE **AMOUNT** 08311 Access Doors and Frames Access doors and frames 32,506 GSF 0.30 9,752 SUP TOTAL 9,752 08400 ENTRANCES AND STOREFRONTS QUANTITY UNIT UNIT PRICE AMOUNT 08411 Aluminum-Framed Entrances and Storefronts Storefront systems; exterior; @ Staff Dining @ Lower Level 876 SE 65.00 56,940 (X-Cost) Doors; double 2 PAIRS 4,000.00 8.000 Storefront systems; exterior; @ Gymnasium @ Ground Level 252 SF 65.00 16,380 (X-Cost) Doors; double PAIRS 4 000 00 8,000 Storefront systems; exterior; @ Gymnasium @ Upper Level 1,938 SF 65.00 125,970 Storefront systems; exterior; @ Entrance Vestibules @ Ground Level 408 SF 65.00 26,520 (X-Cost) Doors; double PAIRS 4 4,000.00 16,000 8 Storefront systems; exterior; @ Main Lobby @ Ground Level 876 SF 65.00 56,940 9 (X-Cost) Doors; double PAIRS 4,000.00 4,000 Storefront systems; exterior; @ Main Lobby @ Upper Level 10 1,212 SF 85.00 78,780 11 Storefront systems; exterior; @ New Wing @ Ground Level 70B SF 65.00 46,020 Storefront aystems; exterior; @ Naw Wing @ Upper Level 1,800 SF 65.00 117,000 13 (X-Cost) Doors: double PAIRS 4,000.00 8,000 Storefront systems; Interior; @ Entrance Vestibules @ Ground Level 14 408 SF 65.00 26.520 15 (X-Cost) Doors; double 4 PAIRS 4,000.00 16,000 16 Storefront systems; Interior; @ New Wing @ Ground Level 288

17

(X-Cost) Doors; double

18,720

8,000

637,790

65.00

4,000.00

PAIRS

SUB-TOTA

WORLD OF INQUIRY SCHOOL # 58



PROJECT DETAILED ESTIMATE - ADDITIONS

	PROJECT DETAILED EST				9/12/
08500	WINDOWS		N 9 1		
08520	Aluminum and Glass Windows	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Aluminum and glass windows @ Ground Level		····		
2	Aluminum and glass windows @ Upper Level	550	8F	\$ 60.00	
	S S S S S S S S S S S S S S S S S S S	500	SF	\$ 60,00	\$ 30
08580	Special Function Windows	—			
1	Aluminum / glass windows; interior @ Principal's Office	~			
2	Side ghts @ doors	130	SF	\$ 55.00	
3	Miscellaneous Interior windows	32,506	GSF	\$ 1.00 \$ 20,000.00 \$ -	\$ 32
			LS	\$ 20,000.00	\$ 20
المستحدث				\$	\$
-		SUB-TOTAL			\$ 122,
TAL FOR	DIVISION 8 - DOORS AND WINDOWS				
	THE PARTY PARTY AND THE THE PORTY				_ \$ 844,7
	· · · · · · · · · · · · · · · · · · ·				· · · ·
9		ON 9 - FINISHES			
09200	PLASTER AND GYPSUM BOARD	QUANTITY	DVD		
09260	Gypsum Board Assemblies	down	דוואט	UNIT PRICE	AMOUNT
1	Metal stud furred wall @ Ground Level; one layer GWB on furring				
2	Metal stud demising partitions @ Lower Level	264	SF	\$ 5.00	
3	Metal stud demising partitions @ Ground Level	3,450	8F	\$ 8.50	
4	Metal stud demising partitions @ Upper Leval	4,956	SF	\$ 8,50	\$ 42,
5	Metal double stud demising partitions @ Lower Level	2,298	SF	\$ 8.50	\$ 19,
- 8	Matal stud shaft walls @ elevators @ Lower Level	1,896	SF	\$ 10.50	\$ 19,
7	Motel stud shall walls (@ elevelors @ Lower Level	504	SF	\$ 8.50	\$ 4,
	Metal stud shaft walls @ elevators @ Ground Level	504	SF	\$ 8.50	\$ 4,
8	Metal stud shaft walls @ elevators @ Upper Level	504	SF	\$ 8.50	
9	Metal stud shaft walls @ riser shafts @ Ground Level	426	SF		\$ 4,3
10	Metal stud shaft walls @ elevators @ Upper Level	426	SF	\$ 6.50	\$ 3,1
11	Miscellaneous metal stud walls	1	LS	\$ 8,50	\$ 3,6
12	Miscellaneous GWB soffit and bulkheads	·		\$ 15,000.00 \$ 15,000.00	\$ 15,0
	A Reserve of the second		L8	\$ 15,000,00	\$, 15,0
		SUB-TOTAL	`	ti kananani	\$
09300	TILE	QUANTITY	100		\$ 182,3
09310	Ceramic Tile	COMMITTY.	UNIT	UNIT PRICE	AMOUNT
1	Ceramic tile @ floors @ Lower Level				
2	Ceramic tile @ floors @ Ground Level	2,592	8F	\$ 12.00	\$ 31,1
3	Ceramic tile @ base @ Lower Level	280	SF	\$ 12,00	\$ 3,3
4	Ceramic tile @ base @ Ground Level	554	LF.	\$ 12.00	\$ 6,6
5	Porcelain tile @ floors @ Lower Level	151	LF	\$ 12.00	\$ 1,8
 -	Donald III @ IIIUN @ LOWER LEVEL	152	\$F	\$ 15.00	\$ 2,2
7	Porcelain tile @ floors @ Ground Level	370	SF	\$ 15,00	\$ 5,5
TE	Porcelain tile @ base @ Lower Level	59	ŠF	\$ 15.00	
. 8	Porcelsin tile @ base @ Ground Level	388	8F	\$ 15.00	\$ 8 \$ 5,8
				\$	8 3,0
09500		SUB-TOTAL		· ·	\$ 57,4
09510	CEILINGS	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Acoustical Cellings ACT cellings @ Lawer Level; 2' x 4'				
	ACT cellings (g. cawer Level; 2' x 4'	4,110	SF	\$ 4.00	\$ 16,4
2	ACT ceilings @ Ground Level; 2' x 4'	0,890	SF	\$ 4.00	\$ 27,5
3	ACT ceilings @ Upper Level; 2' x 4'	3,491	ŠF	\$ 4.00	
				4.00	\$ 13,9
09545	Specialty Cellings				
	Suspended celling "clouds' @ Lower Level	152		·	
2	Suspended ceiling "clouds' @ Ground Level	2,608	SF	\$ 25.00	\$ 3,8
			SF	\$ 25.00	\$ 65,20
				\$ -	\$
		SIID TOTAL			
09800	FLOORING	SUB-TOTAL	TIME.		\$ 126,90
09800	FLOORING	SUB-TOTAL QUANTITY	UNIT	UNIT PRICE	3 126,91 AMOUNT
	FLOORING Resilient Flooring	QUANTITY		UNIT PRICE	AMOUNT
09620 1	FLCORING Resilient Flooring VCT @ floors @ Lower Level	QUANTITY 1,182	SF	UNIT PRICE \$ 2.50	AMOUNT
09620 1 2	FLCORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level	1,162 3,495	S F SF	UNIT PRICE \$ 2.50 \$ 2.50	AMOUNT \$ 2,9
09620 1 2 3	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level	1,182 3,495 3,492	S F SF SF	UNIT PRICE \$ 2.50	\$ 2,9 \$ 8,7
09620 1 2 3 4	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level	1,182 3,495 3,492 184	S F SF	\$ 2.50 \$ 2.50	\$ 2,99 \$ 8,77 \$ 8,77
09620 1 2 3 4 5	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Upper Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level	1,162 3,495 3,495 184 940	SF SF SF SF	# 2.50 \$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00	\$ 2,99 \$ 8,73 \$ 8,73 \$ 1,84
09620 1 2 3 4 5 7	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Upper Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level	1,182 3,495 3,492 184	SF SF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00	\$ 2,99 \$ 8,73 \$ 8,73 \$ 1,84 \$ 9,40
09620 1 2 3 4 5 7	FLCORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Upper Level VCT @ floors @ Lower Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level	1,162 3,495 3,495 184 940	SF SF SF SF SF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00	\$ 2,99 \$ 8,73 \$ 8,73 \$ 1,84 \$ 9,40 \$ 85
09620 1 2 3 4 5	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Upper Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level	1,182 3,495 3,495 3,492 184 940 218	SF SF SF SF SF LF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,70 \$ 1,84 \$ 9,44 \$ 87 \$ 5,50
09620 1 2 3 4 5 7 8 9	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level	1,182 3,495 3,492 184 940 218 1,376	SF SF SF SF SF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,70 \$ 1,84 \$ 9,44 \$ 87 \$ 5,50
09620 1 2 3 4 5 7	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Lincleum @ floors @ Lower Level Lincleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring	1,182 3,495 3,492 184 940 218 1,376	SF SF SF SF SF LF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00	\$ 2,9 \$ 8,7 \$ 8,7 \$ 1,8 \$ 9,4 \$ 9,4 \$ 5,5
09620 1 2 3 4 5 7 8 8 9	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level	1,182 3,495 3,495 3,492 184 940 218 1,376 688	SF SF SF SF SF LF LF LF	\$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00	\$ 2,9 \$ 8,7 \$ 8,7 \$ 1,8 \$ 9,4 \$ 8 \$ 5,5 \$ 2,7
09620 1 2 3 4 5 7 8 9	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Lincleum @ floors @ Lower Level Lincleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring	1,182 3,495 3,492 184 940 218 1,376	SF SF SF SF SF LF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,7' \$ 9,7' \$ 1,8' \$ 9,4(\$ 8; \$ 5,56 \$ 2,75
09620 1 2 3 4 5 7 8 9	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Upper Level VCT @ floors @ Upper Level Lincleum @ floors @ Lower Level Lincleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnasium	1,182 3,495 3,495 3,492 184 940 218 1,376 688	SF SF SF SF SF LF LF LF	\$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,7' \$ 9,7' \$ 1,8' \$ 9,4(\$ 8; \$ 5,56 \$ 2,75
09620 1 2 3 4 5 7 8 9	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Lincleum @ floors @ Ground Level Pubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnasium	QUANTITY 1,182 3,495 3,495 184 940 218 1,376 688	SF SF SF SF SF LF LF LF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,7' \$ 9,7' \$ 1,84 \$ 9,41 \$ 5,50 \$ 2,7' \$ 152,21
09620 1 2 3 4 5 7 8 9 09640 1	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Cound Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnasium Fluid Applied Flooring Concrete sealer @ floors @ Lower Level	QUANTITY 1,162 3,495 3,492 184 940 218 1,376 688	SF SF SF LF LF LF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 22.00	\$ 2,9 \$ 8,7 \$ 9,7 \$ 1,8 \$ 9,4 \$ 5,5 \$ 2,7
09620 1 2 3 4 5 7 8 9 09640 1	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnaslum Fluid Applied Flooring Concrete sealer @ floors @ Lower Level Concrete sealer @ floors @ Ground Level	1,182 3,495 3,495 3,492 184 940 218 1,376 688 6,919	SF SF SF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00	\$ 2,99 \$ 8,7' \$ 9,7' \$ 1,84 \$ 9,41 \$ 5,50 \$ 1,52,21 \$ 162,21
09620 1 2 3 4 5 7 8 9 09640 1	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Cound Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnasium Fluid Applied Flooring Concrete sealer @ floors @ Lower Level	QUANTITY 1,162 3,495 3,492 184 940 218 1,376 688	SF SF SF LF LF LF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 22.00	\$ 2,99 \$ 8,77 \$ 8,77 \$ 9,44 \$ 5,50 \$ 1,62,21 \$ 162,21 \$ 6,42 \$ 98
09620 1 2 3 4 5 7 8 9 09640 1 09670 1 2 3	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnaslum Fluid Applied Flooring Concrete sealer @ floors @ Ground Level Concrete sealer @ floors @ Upper Level Concrete sealer @ floors @ Upper Level	1,182 3,495 3,495 3,492 184 940 218 1,376 688 6,919	SF SF SF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$ 22.00 \$ 22.00	\$ 2,99 \$ 8,75 \$ 8,75 \$ 1,84 \$ 9,44 \$ 5,56 \$ 2,75 \$ 162,21 \$ 6,42 \$ 98
09620 1 2 3 4 5 7 8 9 09640 1 09670 1 2 3	FLOORING Resilient Flooring VCT @ floors @ Lawer Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Lincleum @ floors @ Ground Level Lincleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnaslum Fluid Applied Flooring Concrete sealer @ floors @ Lower Level Concrete sealer @ floors @ Upper Level Concrete sealer @ floors @ Upper Level Concrete sealer @ floors @ Upper Level	GUANTITY 1,162 3,496 3,492 184 940 218 1,376 688 5,919 3,211 490 701	SF SF SF SF SF LF LF LF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$ 22.00 \$ 22.00	## AMOUNT \$ 2,99 \$ 8,73 \$ 1,84 \$ 9,40 \$ 87 \$ 5,56 \$ 2,75
09620 1 2 3 4 5 7 8 9 09640 1	FLOORING Resilient Flooring VCT @ floors @ Lower Level VCT @ floors @ Ground Level VCT @ floors @ Upper Level Linoleum @ floors @ Lower Level Linoleum @ floors @ Ground Level Rubber base @ Lower Level Rubber base @ Ground Level Rubber base @ Upper Level Wood Flooring Wood flooring @ Gymnaslum Fluid Applied Flooring Concrete sealer @ floors @ Ground Level Concrete sealer @ floors @ Upper Level Concrete sealer @ floors @ Upper Level	1,182 3,495 3,495 3,492 184 940 218 1,376 688 6,919	SF SF SF SF SF	\$ 2.50 \$ 2.50 \$ 2.50 \$ 10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$ 22.00 \$ 22.00	\$ 2,99 \$ 8,75 \$ 1,84 \$ 9,40 \$ 152,21 \$ 6,42 \$ 98 \$ 1,40

SUB-TOTAL

215,543

WORLD OF INQUIRY SCHOOL # 58



9/1			

09800					9/12/201
	ACQUISTICAL TREATMENT	QUANTITY	UNIT	UNIT PRICE	AMOUNT
09820	Acoustical Insulation and Sealants	777		VIII FINGE.	Alle Olt I
	Acoustical wall panels @ Staff Dining (Allowance)	1,000	SF	\$ 15.00	\$ 15,000
		AIN PARAL		\$ -	
09900	FAINTS AND COATINGS	SUB-TOTAL QUANTITY	UNIT	UNIT PRICE	15,000
09910	Paints	QUANTITY	UNII	UNIT PRICE	AMOUNT
1	Paint @ CMU / GWB walls @ Lower Level	7,102	SF	\$ 1.00	\$ 7,10
2	Paint @ CMU / GWB walls @ Ground Level	21,671	SF	\$ 1.00	\$ 21,67
3	Paint @ CMU / GWB walls @ Upper Level	6,419	ŞF	\$ 1.00	\$ 6,419
<u>4</u> 5	Paint @ CMU / GWB walls, epoxy; @ Lower Level Paint @ CMU / GWB walls, epoxy; @ Ground Level	5,169	8F	\$ 1.50	7,76
7	Paint @ exposed ceiling structures @ Lower Level	1,409	SF	\$ 1.50	\$ 2,11
8	Paint @ exposed ceiling structures @ Ground Level	3,211 8,349	SF SF	\$ 2.50	8,02
9	Paint @ exposed ceiling structures @ Upper Level	701	SF	\$ 2.50 \$ 2.50	\$ 20,87 \$ 1,75
10	Paint @ doors	43	EA	\$ 100.00	\$ 4,30
11	Paint @ door frames, single	7	EA	\$ 55.00	38
12	Paint @ door frames; double	32	ĒA	\$ 65.00	2,08
19	Paint @ exposed structural steel Paint @ exposed mechanical installations	32,508	GSF	\$ 0.50	16,25
15	Paint @ miscellaneous surfaces	32,508	GSF	\$ 0.50	16,25
	T data (@ mileterial leous euritaces		LS	\$ 5,000.00	5,00
		SUB-TOTAL			119,98
74				* * * * * * * * * * * * * * * * * * * *	110,80
TAL FOR	DIVISION 9 - FINISHES				697,254
46	2011015	142 - 144 T	. ,		
10		10 - SPECIALTIES			
10100	VISUAL DISPLAY BOARDS	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10100	Visual Display Boards Visual dipelay boards	20.500			in digital and second and second
- '	Videdi dipalay Donda	32,508	GSF	1.15	37,382
		SUB-TOTAL	· · · · · · · · · · · · · · · · · · ·	- 3	37,382
10150	COMPARTMENTS AND CUBICLES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10160	Tollet Compartments	1 1			74115-0111
	Tollet compartments	15	EA	\$ 1,000.00	15,000
2	Tollet compartments; ADA	<u>4</u>	EA	\$ 1,100,00	4,400
10185	Shower and Dressing Compartments			<u> </u>	<u></u>
1	Plastic shower compartments; 3' x 3' x 6'	14	EA	4 200 00	
2	(X-Cost) Shower curtains and rods	14	EA	\$ 1,000.00 \$ 150.00	i. 14,000 i 2,100
				1 8 3 3	2,100
10000		SUB-TOTAL		<u> </u>	35,500
10200	LOUVERS AND VENTS	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10210	Wall Louvers (Allowance) Wall louvers - Allowance				
	Wall louvers - Allowance		LS	\$ 5,000.0D	5,000
		SUB-TOTAL	· ·	1 4	
10260	WALL AND CORNER GUARDS	QUANTITY	UNIT	UNITPRICE	AMOUNT
10260	Wall and Corner Guards (Allowance)				
	Wall protection / handrails / corner guards	1	LS	\$ 5,000.00	5,000
		0115 -6-10		\$ \$	
10350	් FLAGPOLES	SUB-TOTAL QUANTITY	TIME	T UNIT BRIDE	5,000
					· AMAGINE.
10350	Flagnoles		UNIT	UNIT PRICE	AMOUNT
10350 1	Flagpoles Flagpoles		N 18 18 18 18 18 18 18 18 18 18 18 18 18	Marine Consultation &	
		SE	E "RENOVATIOI	A SECTION OF THE RESERVE OF THE RESE	
11	Fiegpoles	SUB-TOTAL	E "RENOVATIOI	NS*	
10400	Flegpoles IDENTIFICATION DEVICES	SE	N 18 18 18 18 18 18 18 18 18 18 18 18 18	vs" \$	
11	Fiegpoles	SUB-TOTAL QUANTITY	E "RENOVATIOI	UNIT PRICE	AMOUNT
1 10400 10410	IDENTIFICATION DEVICES Directories	SUB-TOTAL QUANTITY	E "RENOVATIOI	VS" S	AMOUNT
10400 10410 1	IDENTIFICATION DEVICES Directories Exterior Signage	SUB-TOTAL QUANTITY	E "RENOVATIOI	UNIT PRICE	AMOUNT
1 10400 10410	Flegpoles IDENTIFICATION DEVICES Directories Directories	SUB-TOTAL QUANTITY SE	E "RENOVATIOI	NS" 3	AMOUNT
1 10400 10410 1 10430	IDENTIFICATION DEVICES	SUB-TOTAL QUANTITY SE	E "RENOVATIOI UNIT E "RENOVATIOI	UNIT PRICE	AMOUNT
10400 10410 1 1 10430 1	Flegpoles IDENTIFICATION DEVICES Directories Directories Exterior Signage Interior Signage	SUB-TOTAL QUANTITY SE	E "RENOVATION UNIT E "RENOVATION E "RENOVATION	VS" \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMOUNT
1 10400 10410 1 10430	IDENTIFICATION DEVICES	SUB-TOTAL QUANTITY SE	E "RENOVATIOI UNIT E "RENOVATIOI	NS" 3	AMOUNT
10400 10410 1 1 10430 1	Flegpoles IDENTIFICATION DEVICES Directories Directories Exterior Signage Interior Signage	SE SE	E "RENOVATION UNIT E "RENOVATION E "RENOVATION	VS" \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMOUNT 12,000
10400 10410 1 1 10430 1 10440 1	Flegpoles IDENTIFICATION DEVICES Directories Directories Exterior Signage Interior Signage	SE SUB-TOTAL QUANTITY SE SE	UNIT E "RENOVATION E "RENOVATION E "RENOVATION LS	UNIT PRICE US" \$ 12,000.90 \$ \$\$	12,000
10400 10410 1 10430 1 10440	IDENTIFICATION DEVICES	SE SE	E "RENOVATION UNIT E "RENOVATION E "RENOVATION	VS" \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMOUNT 12,000
1 10400 10410 1 1 10430 1 1 10440 1 1 10500 10500 1	IDENTIFICATION DEVICES Directories Directories Exterior Signage Exterior Signage Interior Signage LOCKERS Lockers Lockers @ Locker Rooms; metal; 12" x 15" x 72"; 4-tier	SE SUB-TOTAL QUANTITY SE SE	E "RENOVATION UNIT E "RENOVATION E "RENOVATION L8 UNIT EA	UNIT PRICE \$ 12,000.00 \$ \$ UNIT PRICE	12,000 12,000 AMOUNT
10400 10410 1 10430 1 10440 1 10500 10500	IDENTIFICATION DEVICES Directories Directories Exterior Signage Exterior Signage Interior Signage LOCKERS Lockers Lockers Lockers Lockers @ Locker Rooms; metal; 12" x 15" x 72"; 4-tier Lockers @ Locker Rooms; metal; 12" x 15" x 72"; single-tier; ADA	SE SUB-TOTAL QUANTITY SE SE 1 SUB-TOTAL QUANTITY 101 4	UNIT E "RENOVATION E "RENOVATION LS UNIT EA EA	UNIT PRICE S 12,000.00 \$ UNIT PRICE UNIT PRICE \$ 300.00 \$	12,000 12,000 AMOUNT 30,300
10400 10410 1 10430 1 10440 1 10500 10500 12 3	IDENTIFICATION DEVICES Directories Directories Exterior Signage Exterior Signage Interior Signage Interior signage LOCKERS Lockers Lockers Lockers @ Locker Rooms; metal; 12" x 15" x 72"; 4-fler Lockers @ Locker Rooms; metal; 12" x 15" x 72"; single-tier; ADA Locker Room benches @ Locker Rooms; 5' long	SE SUB-TOTAL QUANTITY SE 1 SUB-TOTAL QUANTITY 101 4 15	E "RENOVATION UNIT E "RENOVATION LS UNIT EA EA EA EA	NS" 3 UNIT PRICE NS" \$ UNIT PRICE \$ 12,000.00 \$ UNIT PRICE \$ 300.00 \$ \$ 300.00 \$ \$ 176.00 \$	12,000 12,000 AMOUNT 30,300 1,200 2,625
10400 10410 1 10430 1 10440 1 10500 10500	IDENTIFICATION DEVICES Directories Directories Exterior Signage Exterior Signage Interior Signage LOCKERS Lockers Lockers Lockers Lockers @ Locker Rooms; metal; 12" x 15" x 72"; 4-tier Lockers @ Locker Rooms; metal; 12" x 15" x 72"; single-tier; ADA	SE SUB-TOTAL QUANTITY SE SE 1 SUB-TOTAL QUANTITY 101 4	UNIT E "RENOVATION E "RENOVATION LS UNIT EA EA	UNIT PRICE \$ 12,000.30 \$ \$ UNIT PRICE \$ 300.00 \$ \$ 300.00 \$	12,000 12,000 AMOUNT 30,300 1,200

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TOSCANO CLEMENTS TAYLOR

WORLD OF INQUIRY SCHOOL # 58

Draft

PROJECT DETAILED ESTIMATE - ADDITIONS

9/12/2011

0520	FIRE PROTECTION SPECIALTIES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10525	Fire Protection Specialties (Allowance)	<u> </u>		\$ 300.00	\$ 4,2
1	Fire extinguishers	14	EA	3 300.00	\$
		SUB-TOTAL .		44.1 (1.45.45). S	4,2
		QUANTITY	UNIT	UNITPRICE	AMOUNT
10600	PARTITIONS	GOMETER		14 14 1	
10650	Operable Partitions		NOT REQUIRED	\$ -	\$
1	Operable partition @ Gymnasium; 24' high; motorized		NOT REQUIRED	Š	\$
2	Operable partition between Gymnasium and Stage; 16' high; motorized			\$	\$
	the second secon	SUB-TOTAL	Payting 1		\$
	STORAGE SHELVING	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10870	Storage Shelving (Allowance)	- May 726 a	Alas Alestates of the		
10674		32,508	GSF	\$ 1.00	\$ 32,
1	Storage shelving; metal	Aldrei a 111	A grant was in the con-	\$	\$
		SUB-TOTAL			\$ 32,
10800	TOILET / BATH ACCESSORIES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Tollet Accessories		to a south that		
10810	Mirrors; 16" x 36"	15	EA	\$ 120.00	\$ 1, \$ 1,
2	Liquid soop dispensers	16	y EA	\$ 100.00	
3	Paper towel dispensers	9	EA	\$ 110,00	\$ \$ 1,
4	Toilet tissue dispensere	15	EA	\$ 80.00	<u> </u>
5	Sanitary napkin dispensers	2	EA	\$ 575.00 \$ 160.00	\$ 1
- 6	Sanitary napkin disposal units	7	EA		š 1
7	Grab bar sets	9	EA	\$ 175.00	•
\$ 157 Pers	A STATE OF THE PROPERTY OF THE	SUB-TOTAL	N 9-13-4-2-4-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	1 1♥ 35 (25	\$ 9
	DUGGION 11	FOLIPMEN		of the state of the	
11	DIVISION 11 -	Jan 1987 198 198 198 198 198	ter er til for	UNIT PRICE	AMOUNT
11130	AUDIO-VISUAL EQUIPMENT	EQUIPMEN' QUANTITY	UNIT		
	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment	QUANTITY 6	UNIT	\$ 5,000.00	\$ 30
11130 11130 1	AUDIO-VIBUAL EQUIPMENT Audio-Visual Equipment "Smartboards"	QUANT(TY 6 6	UNIT EA EA	\$ 5,000.00 \$ 6,000.00	\$ 30 \$ 30
11130 11130 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens	QUANTITY 6	UNIT	\$ 5,000.00 \$ 6,000.00 \$ 750.00	\$ 30 \$ 30
11130 11130 1	AUDIO-VIBUAL EQUIPMENT Audio-Visual Equipment "Smartboards"	8 6 6 8	EA EA EA	\$ 5,000.00 \$ 6,000.00	\$ 30 \$ 30 \$ 4
11130 11130 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts	QUANTITY 6 6 6 8	UNIT EA EA EA	\$ 5,000.00 \$ 6,000.00 \$ 760.00	\$ 30 \$ 30 \$ 4 \$
11130 11130 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smarthoards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT	8 6 6 8	EA EA EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00	\$ 30 \$ 30 \$ 4 \$
11130 11130 1 2 3	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment	QUANTITY 8 6 6 8 8 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT
11130 11130 1 2 3 3 11450 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smertboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment	QUANTITY 6 6 6 8 8 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT	\$ 5,000.00 \$ 6,000.00 \$ 760.00	\$ 30 \$ 30 \$ 2 \$ \$ AMOUN
11130 11130 1 2 3 11460 11450 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment	QUANTITY 8 6 6 8 8 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ UNIT PRICE \$ 1,000.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT
11130 11130 1 2 3 3 11450 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smertboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13"	QUANTITY 6 6 6 8 8 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT EA EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ UNIT PRICE \$ 1,000.00 \$ 500.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT
11130 11130 1 2 3 11450 11450 1	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smertboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13"	QUANTITY 8 6 6 8 8 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT EA EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT
11130 11130 1 2 3 11460 11450 1 2	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13"	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY	UNIT EA EA EA EA UNIT UNIT UNIT UNIT	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ UNIT PRICE \$ 1,000.00 \$ 500.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUN \$ \$ \$ \$ AMOUN
11130 11130 1 2 3 11450 11450 1 2 11480 11480	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Audio-Visual Equipment Residential Equipment Athletic, Recreational And Therapeutic Equipment Multipade @ Quipment Strick	QUANTITY 8 6 6 8 8UB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY 1,824	UNIT EA EA EA UNIT UNIT SF	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ UNIT PRICE \$ 1,000.00 \$ 500.00 \$	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT \$ \$ \$ \$ \$ \$
11130 11130 1 2 3 11450 11450 1 2 11480 11480	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Audio-Visual Equipment Residential Equipment Athletic, Recreational And Therapeutic Equipment Multipade @ Quipment Strick	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY	UNIT EA EA EA EA UNIT UNIT UNIT UNIT	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ UNIT PRICE \$ 1,000.00 \$ 500.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT \$ \$ \$ \$ \$ \$
11130 11130 1 2 3 11450 11450 1 2 11480 11480	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts Residential Equipment Residential Equipment Residential Equipment Residential Equipment Residential Equipment Audio-Visual Equipment Residential Equipment Residential Equipment Residential Equipment Residential Equipment Audio-Visual Equipment Residential Equipment Athletic, Recreational And Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted	QUANTITY 8 6 8 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY 4 4	UNIT EA EA EA UNIT EA EA EA EA EA EA EA EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 500.00 \$ 15,00 \$ 3,500.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT \$ \$ \$ 3 \$ AMOUNT \$ 1
11130 11130 1 1 2 3 11450 11450 1 2 11480 11480 1 2	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts Residential Equipment Athletic, Residential Equipment Athletic, Recreational And Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Residential backboards @ Gymnasium; glass; retractable type; celling-mounted	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY 1,824 4 2	UNIT EA EA EA UNIT EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 15,000 \$ 3,500.00 \$ 3,500.00 \$ 6,000.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT \$ 5 \$ 4 AMOUNT \$ 2 \$ 1.
11130 11130 1 2 3 11450 11450 1 2 11480 11480	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigarators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic; Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; ceiling-mounted Basketball volleydall and other court markings @ Gymnasium	QUANTITY 8 6 8 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY 4 4	UNIT EA EA EA UNIT EA EA EA EA LS	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 500.00 \$ 3,500.00 \$ 3,600.00 \$ 6,000.00	\$ 30 \$ 4 \$ \$ AMOUN \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
11130 11130 1 2 3 11450 11450 1 2 11480 11480 1 2	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts Residential Equipment Microwave oven @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnaslum; 6' high Basketball backboards @ Gymnaslum; stationary type; wall-mounted Basketball backboards @ Gymnaslum; glass; retractable type; ceiling-mounted Basketball, volleyball and other court markings @ Gymnaslum Basketball, volleyball and other court markings @ Gymnaslum	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 2 SUB-TOTAL QUANTITY 1,824 4 2 1	UNIT EA EA EA UNIT EA EA EA LS LS	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 15.00 \$ 3,500.00 \$ 6,000.00 \$ 7,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ 4 \$ AMOUN \$ 5 \$ 3 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 5 \$ 1 \$ 5 \$ 1 \$ 5 \$ 1 \$ 5 \$ 1 \$ 5 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1
11130 11130 1 1 2 3 11460 11450 1 2 11480 1 1 2 3	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 6" high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; ceiling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pedboards	QUANTITY 8 6 8 8 SUB-TOTAL QUANTITY 1 1 1 2 QUANTITY 1,824 4 2 1 1 4	UNIT EA EA EA UNIT EA EA EA LS LS EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 500.00 \$ 3,500.00 \$ 6,000.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ \$ 84 AMOUNT \$ 5 \$ 1 \$ 1 \$ 1 \$ 1
11130 11130 11130 1 2 3 11450 11450 1 2 11480 11490 1 2	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Pathetic, Residential Equipment Well pade @ Staff Dining Room; 19" x 22" x 13" Athletic, Recreational and Therepeutic Equipment Wall pade @ Gymnasium; 8 high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; calling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Vollayball standard floor plates @ Gymnasium	QUANTITY 8 6 8 8 SUB-TOTAL QUANTITY 1 1 1 SUB-TOTAL QUANTITY 1,824 4 2 1 1 4 8	UNIT EA EA EA UNIT EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 1,000.00 \$ 7,000.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ 4 \$ AMOUNT \$ 1 \$ 5 \$ 1 \$ 1 \$ 5 \$ 1
11130 11130 1 1 2 3 11450 11450 1 2 11480 11480 1 2 3 4	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts Residential Equipment Athletic, Recreational Room, 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; calling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Volleyball standard floor plates @ Gymnasium Chin-up bars and climbing ropes (Allowance)	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 1 1 1 1 1 1 1 1 4 8 1 1	UNIT EA EA EA UNIT EA EA EA LS EA EA LS EA EA LS	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,500.00 \$ 6,000.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4
11130 11130 11130 1 2 3 11450 1 2 11480 1 2 3 4 5 6 7 7 8	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts Residential Equipment Athletic, Recreational and Therepeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; calling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Volleyball standard floor plates @ Gymnasium Chin-up bars and climbing ropes (Allowance) Divider curtain @ Gymnasium	QUANTITY 8 6 6 8 SUB-TOTAL QUANTITY 1 1 1 2 SUB-TOTAL QUANTITY 1,824 4 2 1 1 4 8 1 70	UNIT EA EA EA EA EA EA EA EA EA EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,600.00 \$ 7,000.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 6,4 \$ 6,4
11130 11130 1 1 2 3 3 11450 11450 1 1 2 2 11480 1 1 2 3 4 5 6 7 8 8	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projector mounts RESIDENTIAL EQUIPMENT Residential Equipment Refrigarators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; ceiling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Chin-up bars and climbing ropes (Allowance) Divider curtain @ Gymnasium Stace outsins; act curtains	QUANTITY 8 6 6 8 8UB-TOTAL QUANTITY 1 1 1 3UB-TOTAL QUANTITY 1,824 4 2 1 1 4 8 1 70 576	UNIT EA EA EA EA UNIT EA EA EA LS EA LS EA LS EA LS EA LS EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,500.00 \$ 7,000.00 \$ 7,000.00 \$ 500.00 \$ 500.00 \$ 500.00 \$ 500.00 \$ 500.00 \$ 500.00 \$ 500.00 \$ 500.00	\$ 30 \$ 30 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4 \$ 4
11130 11130 11130 1 2 3 11450 11450 1 2 11480 11480 1 2 3 4 5 6 7 8 9	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, REGREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; glass; retractable type; ceiling-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Volleyball standard floor plates @ Gymnasium Chin-up bars and climbing ropes (Allowance) Divider curtains @ Gymnasium Stage outrains; Proscenium valence	QUANTITY	UNIT EA EA EA UNIT EA EA EA LS EA EA LS EA EA LS EA EA EA SEA EA E	\$ 5,000.00 \$ 750.00 \$ 750.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,500.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 4 \$ \$ 64 AMOUNT \$ 2 \$ 11 \$ 11 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5
11130 11130 1 1 2 3 11450 11450 1 1 2 11480 1 1 2 3 4 5 6 7 8 9 10 11 12	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 8' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; stationary type; cailing-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Volleyball standard floor plates @ Gymnasium Chin-up bars and climbing ropes (Allowance) Divider curtain @ Gymnasium Stage curtains; act curtains Stage curtains; Proscenium valance Stans curtains; side cyclorama curtains	QUANTITY	UNIT EA EA EA UNIT EA EA EA EA LS LS LS LF SF SF	\$ 5,000.00 \$ 750.00 \$ 750.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,500.00 \$ 7,000.00 \$ 7,000.00 \$ 5,000.00 \$ 5,000.00	\$ 30 \$ 30 \$ 4 \$ \$ AMOUNT \$ 2 \$ 1 \$ 1 \$ 5 \$ 5 \$ 1 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5 \$ 5
11130 11130 11130 1 2 3 11450 11450 1 2 11480 1 1 2 3 4 5 6 7 8 9 10 11 11 12 13	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Athletic, Recreational and Therepeutic Equipment Wall pads @ Gymnasium; 6' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Resketball backboards @ Gymnasium; glass; retractable type; calling-mounted Resketball, volleyball and other court markings @ Gymnasium Residential Equipment Resi	QUANTITY 8 6 6 8 8 SUB-TOTAL QUANTITY 1 1 1 1 1 1 4 2 1 1 4 8 1 70 576 170 738 544	UNIT EA EA EA UNIT EA EA EA LS EA EA LS EA EA LS EA EA EA SEA EA E	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 15.00 \$ 3,500.00 \$ 7,000.00 \$ 7,000.00 \$ 7,000.00 \$ 500.00 \$ 500.00	\$ 64 AMOUNT \$ 3 AMOUNT \$ 1: \$ 1: \$ 1: \$ 1: \$ 1: \$ 1: \$ 1: \$ 1:
11130 11130 1 1 2 3 11450 11450 1 1 2 11480 1 1 2 3 4 5 6 7 8 9 10 11 12	AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment "Smartboards" Projection screens Projection screens Projector mounts Residential Equipment Residential Equipment Refrigerators @ Staff Dining Room; 34" x 30" x 24" Microwave oven @ Staff Dining Room; 19" x 22" x 13" ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT Athletic, Recreational and Therapeutic Equipment Wall pads @ Gymnasium; 8' high Basketball backboards @ Gymnasium; stationary type; wall-mounted Basketball backboards @ Gymnasium; stationary type; cailing-mounted Basketball, volleyball and other court markings @ Gymnasium Basketball, volleyball and other court markings @ Gymnasium Pegboards Volleyball standard floor plates @ Gymnasium Chin-up bars and climbing ropes (Allowance) Divider curtain @ Gymnasium Stage curtains; act curtains Stage curtains; Proscenium valance Stans curtains; side cyclorama curtains	QUANTITY	UNIT EA EA EA UNIT EA EA EA LS EA EA LS EA EA SF EA EA EA EA SF EA	\$ 5,000.00 \$ 6,000.00 \$ 750.00 \$ 750.00 \$ 1,000.00 \$ 500.00 \$ 3,500.00 \$ 3,500.00 \$ 7,000.00 \$ 5,000.00 \$ 5,00	\$ 30 \$ 30 \$ 4 \$ 5 \$ AMOUNT \$ 2 \$ 1 \$ 5 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1

WORLD OF INQUIRY SCHOOL # 58



15	NECH	AMICAL		<u> </u>	
10	<u></u>	ANICAL		<u> </u>	
15100	BUILDING SERVICES PIPE	- PLUMBING			
15100	Building Sevices Pipe	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<u>†</u>	Building service pipes	32,506	GSF	\$ 3.70	\$ 120,27
		SUB-TOTAL	y Aerona	\$ -	\$ 120,27
15200 15210	PROCESS PIPE Process Air and Gas Pipe	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Process air and gas pipes	32,506	GSF	\$ 1.00	\$ 32,50
15250	Acid Waste and Vent Pipe		श्रीकेत्तु (स्ट्राइट)		
1	Acid waste and vent pige system	32,506	GSF	\$ 0.50	\$ 16,25
		SUB-TOTAL			\$ 48,75
15400 15410	PLUMBING FIXTURES AND EQUIPMENT Plumbing Fixtures	QUANTITY	UNIT	UNIT PRICE	AMOUNT.
1	Piumbling fixtures and equipment	32,506	GSF	\$ 3.26	\$ 105,97
	1	SUB-TOTAL	Marine Balance State Comment of the	\$ -	\$
15950	TESTING, ADJUSTING AND BALANCING	QUANTITY	UNIT	UNIT PRICE	\$ 105,976 AMOUNT
15960 1	Testing, Adjusting and Balancing Testing, adjusting, balancing, tags, as-builts, etc.	32.506	GS#	\$ 0.28	
744 - 73			The Bolton State of the Control of t		\$ 9,10°
		SUB-TOTAL		(MANAGONA) (MANAGONA) Managonal (Managona)	\$ 9,10
TOTAL FOR	DIVISION 15 - PLUMBING	<u> </u>	The Contract of the Contract o		\$ 284,102
15	C Diggio Managi Alago 49 Asset Palation MECH	ANICAL	1997 (Massive) De		a tanaa aa
<u> </u>	v to the second of the second	. 15			<u>regressi</u> de les
15100	BUILDING SERVICES PIPE	15 - HVAC			
15100	Building Sevices Pipe	QUANTITY	UNIT		AMOUNT
<u> </u>	Building service pipes	32,506	GSF	\$ 9.83	\$ 313,033
		SUB-TOTAL			<u>\$</u> \$ 313,033
15700 15700	HVAC EQUIPMENT HVAC Equipment		UNIT		AMOUNT
1	HVAC equipment	32,506	GSF	\$ 12,73	\$ 413,801
		SUB-TOTAL	A SAND SELLING TO A	\$	\$ \$ 413,801
15800 15800	AIR DISTRIBUTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1 1	Air Distribution	32,606	GSF	\$ 9.01	\$ 292,879
		SUB-TOTAL			\$ -
15900	HVAC INSTRUMENTATION AND CONTROL		UNIT	UNIT PRICE	\$ 292,879 AMOUNT
15960 1	Automatic Temperature Controls Automatic temperature controls	32,508	Get	6 700	
			GSF	\$ 7.30 \$ -	\$ 237,294 \$
15950	A. TESTING, ADJUSTING AND BALANCING	SUB-TOTAL QUANTITY	UNIT	UNIT PRICE	\$ 237,294 AMOUNT
15950 1	Tësting, Adjusting and Balancing Testing, etc.	1961 7. 9			
······································	and the second s	32,506	GSF	\$ 2.07	67,287 -
	The second secon	SUB-TOTAL:		9 g 12 g 2 g 2	67,287
TOTAL FOR	DIVISION 15 - HVAC	21,34,236		<u> </u>	\$ 1,324,294
18	Bugger	De 19	on the second		
16200	DIVISION 16 -	<u> </u>	<u> </u>		
16200	Electrical Power	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Electric power	32,506	G8F	\$ 13.57	
40544		SUB-TOTAL			441,106
16500 16510	LIGHTING Interfor Luminaires	QUANTITY	דואט	UNIT PRICE	AMOUNT
1	Lighting	32,508	GSF	\$ 6.68	217,140
2	Theater Lighting & Control System:	1	EA	\$ 74,550.00	
		SUB-TOTAL	<u> </u>	\$ - 3	5

WORLD OF INQUIRY SCHOOL # 58



PROJECT DETAILED ESTIMATE - ADDITIONS

0/12/2011

16600		SPECIAL SYSTEMS	TRANSPORT	QUANTITY	UNIT	UNIT PRICE	AMOUNT
16600	, 3,456, 3104 ft 3,466, 1,425, 1	Special Systems	18 May 18 18 18 18 18 18 18 18 18 18 18 18 18				
1	Special systems			32,508	GSF	\$ 12.44	\$ 404,375
	Section 1. The section of the	2000年的 教育 2000年	(水域等)(計劃)(計劃)(計劃)			<u>(\$7.60 kg 56-14</u>	\$
				SUB-TOTAL	<u> </u>		404,375
16900	The gold the second property	MISCELLANEOUS		QUANTITY	UNIT	UNIT PRICE :	AMOUNT
16900	e addition Editional Agent transposit of 1900s	Miscellaneous Items		gasta - Caugas Ballia, ka	9 Malason 8 ayıldır.		Page 1765 1660 (\$1
137 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Miscellaneous Items	Grand Roman State of the Co		32,508	GSF	\$ 2.60	\$ 84,516
7	The second state of the second	197	·	an in the graph Administra	and the state of t	\$ -	\$
:				SUB-TOTAL		to the second of	\$ 84,518
TOTAL FOR		TRICAL	marile some services		10 J		\$ 1,221,687
		<u></u>					

WORLD OF INQUIRY SCHOOL # 58

Draft

PROJECT DETAILED ESTIMATE - RENOVATIONS

raft

HASE:	SCHEMATIC ES	IMATE REVISION I			PROJECT ARE	A(SF):			
UILDING TYPE :			·····		NEW CONST.		RENO	DVATION	TOTAL
INDUSTRIAL	COMMERCIAL	RESIDENTIAL	RETAIL DE	UCATIONAL	91,929	0		0	91,929
		A STATE OF STATE							
ROJECT TYPE :	··					·		· · · · · · · · · · · · · · · · · · ·	
☐ NEW CONSTR	UCTION	ADDITION	☑ RENOVA	TION					
ROJECT:	WORLD OF INQU	JIRY SCHOOL # 58							
MPLOYER:			TRUCTION BOARD			:			
OCATION:		EW YORK 14621							
/E: M:	JCJ ARCHITECT RJSCB / GILBAN								
ROJECT#:	- 1000D1 GIEDAIN	<u> </u>				<u> </u>		· · · · · · · · · · · · · · · · · · ·	
						· · ·			
DIVISION		DESC	RIPTION		QUANTITY	UNIT	UNI	T PRICE	AMOUNT
			·	DIMOION A	OITENADA	0.47	•		
2				DIVISION 2 -	SITEWORK	·			
02200			PARATION		QUANTITY	UNIT	UNI	T PRICE	AMOUNT
02220		Selective	Demoiltion		<u> </u>				
· ·········· ·························	Lower Level				· · · · · · · · · · · · · · · · · · ·	·			
1		exterior walls (Demo	Note 1)		1,086	SF	 s	10.00	\$ 10,
2	Remove existing	interior walls (Demo	Note 1)		8,442	SF	- <u>\$</u>	5.00	
3	Remove existing	exterior stairs (Demo	Note 2)		70	ŞF.	\$	30.00	
4		Interior stairs (Demo		72	393	SF	\$	30.00	\$ 11,
5		millwork; base cabine millwork; wall cabine	ets and worktops (De	mo Note 14)	262	LF	\$	20.00	\$ 5,
<u>. 6</u>		millwork; wall cabine millwork; closets (De			49 32	LF LF	\$	20.00	\$
B vises			ns and doors (Demo	Note 14)	1	EA ->-	\$		y lag 1897
	Remove existing		; including frames an				2 Trupti <u>Sar</u>		A). 19915.4.
9	Note 4)			·	1	EA	\$	125.00	\$
40		exterior doors; doubl	e; including frames ar	nd hardware (1 .				_
10	Demo Note 4)	interior doore: einale:	including frames and	Lhardwara (Dame	11	PAIR	. \$	150.00	<u>\$</u>
11	Note 4)	miterior acora, arrigio,	i iraduning iranilaa ark	i naruware (Demo	24	l ea	\$	125.00	\$ 3,0
		Interior doors; double	; including frames an	d hardware (Dem		 	·	120.00	<u> </u>
12	Note 4)		· ·	•	15	PAIR	\$	160.00	\$ 2,3
13			s (Demo Note 28) (.	Allowance)	448	SF SF	\$	10.00	\$ 4,
14 15	Remove existing	windows (Demo Not	9 20)	····	2,931	. <u>\$F</u>	\$	10.00	\$ 29,
16	Remove existing	lifts (Demo Note 26	1		33,762	SF EA	\$	1.50 2,000.00	\$ 50,0 \$ 2,0
17	Remove existing	plumbing fixtures; inc	/ cluding piping (Demo	Note 12)		SEE "DIV. 15"		-	\$
18	Remove existing	mechanical equipme	nt complete { Demo l	ote 13)		SEE "DIV. 15"		-	\$
			loor area in area of ne	w Elementary /					
19	High School Dinii	ng to form new steps	/ bleachers		1,560	SF	\$	25.00	\$ 39,
	Ground Floor Le	ovel		···					
1		exterior walls (Demo	Note 1)		1,080	SF	\$	10.00	\$ 10,4
2		interior walls (Demo			14,604	SF	\$	5.00	73,
3		floor construction			2,498	SF	\$	25.00	\$ 62,
4		interior stairs (Demo			623	8F	\$	30.00	\$ 18,0
5		glezed partitions (De	emo Note 14 } ets and worktops (De	mo Note 14 \	156	SF	· ·\$	10.00	
7		miliwork; closete (De		mo Note 14)	780 302	LF LF	\$	20.00 20.00	\$ 15,0 \$ 6,0
8			ns and doors (Demo	Note 14)	6	EA	\$	150.00	\$
	Remove existing		e; Including frames a			1	1		
9	Demo Note 4)	•			4	PAIR	\$	150.00	\$
40		Interior doors; single	; including frames and	hardware (Demo			1		
10	Note 4)	Interior dearer decide	e; including frames an	d hardware (Da	50	EA	\$	125,00	\$ 6,:
11	Note 4)	arrena appre, codbie	», ភាសាលហេដ្ឋ ភេឌ ភាចទ ស ភ	o natowale (Demi	13	PAIR	ı e	150.00	\$ 1,5
11 12		grills and fire-shutter	s (Demo Note 28)		1	NONE	<u> </u>		<u></u>
13	Remove existing	windows (Demo Not	le 20)		5,106	8F	\$	10.00	51,
			vs; clean and store or	-site for re-		3 6			
14	installation (Den		was Nata 2003	···	385	SF	\$	25.00	9.0
15 16	Remove existing	Interior windows (De	imo Note 20)		179	SF SF	\$	10.00	1,
17		ACT celling finishes			39,013 18,210	SF SF	1 3	1.50 1.25	\$ 58,1 \$ 22
18			duding piping (Demo	Note 12)	10,210	SEE "DIV. 15"	\$	1.45	\$ 22,1 \$
19			nt complete (Demo I			SEE "DIV. 15"	\$		
	Upper Level								
1		omed construction	Note 1)		3,336	SF	\$	5.00	16,0
3	Remove existing	roof construction	ets and worktops (De	rmo Note 14)	4,222	SF	<u> </u>	25.00	105,
4		miliwork; wall cabine		7 110 INUIS 14 J	416 18	LF LF	1	20.00	8,
	T AVIORING		(C) C (1 C (C (C))		. 10	. 6	1 4	20.00 6	\$

WORLD OF INQUIRY SCHOOL # 58



PROJECT DETAILED ESTIMATE - RENOVATIONS

6	Remove existing millwork; lockers (Demo Note 14)	13	EÁ	\$ 20.00	\$ 26
	Remove existing interior doors; single; including frames and hardware (Demo	****		•	
. 7	Note 4)	3	EA	\$ 125.00	\$ 37
	Remove existing Interior doors; double; including frames and hardware (Demo				, , , , , , , , , , , , , , , , , , ,
8	Note 4)	1 2 1	PAIR	\$ 150.00	\$ 15
9	Remove existing grills and fire-shutters (Demo Note 28)		NONE	\$	\$
10	Remove existing windows (Demo Note 20)	3,312 311	SF SF	\$ 10.00	\$ 33,12
11 12	Remove existing skylights Remove existing floor finishes	19,154	SF	\$ 20.00 \$ 1.50	
13	Remove existing ACT ceiling finishes	11,003	SF	\$ 1.26	\$ 13,76
14	Remove existing plumbing fixtures; including piping (Demo Note 12)		SEE "DIV. 15"	s	ŝ
			11 11 1	्रिकारी होते होते.	
02250	Shoring and Underpinning				
	Shoring existing floors @ Ground Level where exterior walls removed @				:
1	Lower Level	91	LF'	\$ 50.00	\$ 4,5
	Shoring existing floors @ Upper Level where exterior walls removed @				
2	Ground Level	91	LE.	\$ 50.00	\$ 4,5
		SUB-TOTAL	[25], 11	In∰. State of the	\$ 774,8
	· Deed Bath College gether Make of the paper with the tell specific getting the paper.	1.000 (0.174) 1.000 (0.174)	e e de la companya d	an dialaha	[] () () () () () () () () () (
OTAL FOR	DIVISION 2 - SITEWORK	La Spiller of the	, de las Anties	1. 00(00 Cappling)	\$ 774,88
	DIVISION 3 -	CONCRETE	V 800 1 380 10749	म् न स्थार अस्तान सहस्य	
3	■ 自身保証	<u> </u>	44 4 5 44	क्षा क्षेत्रपुर्वाक कुर्वके	6
03300	CAST-IN PLACE CONCRETE: 1999 1999 1999 1999 1999 1999 1999 19	QUANTITY	UNIT	UNIT PRICE	AMOUNT
03310	Structural Concrete	e de Arrigan de	MAKIE	1 (a. 1797 a 4 1994) (a. 1	
· <u>1</u>	Concrete San	TO SERVICE THE SERVICE	NONE	San N	
	The state of the s	/ SUB-TOTAL	17.7 Project Control (Control	William Street	·\$.
		ala, gerono un el 1	Gert Grand Grand	<u>an in the state of the state o</u>	:
OTAL FOR-	DIVISION 3 - CONCRETE	Aug 11 A	A STATE OF THE PARTY OF THE PAR	ar and the same of	,
	Control of the Contro				
4		MASONEY	ika nija dipu kipaka		
4	DIVISION 4	[82] C. NORO, Phys. Rev. B 525, 111 (1997).			and the second second
04200	DIVISION 4 -	[82] C. NORO, Phys. Rev. B 525, 111 (1997).	UNIT	UNITPRICE	AMOUNT
04200 04220	MASONRY UNITS Congrete Masonry Units	[82] C. NORO, Phys. Rev. B 525, 111 (1997).		UNITPRICE	AMOUNT
04200 04220 1	DIVISION 4 -	[82] C. NORO, Phys. Rev. B 525, 111 (1997).	NONE		AMOUNT
04200 04220	MASONRY UNITS Congrete Masonry Units	QUANTITY		UNIT PRICE	AMOUNT
04200 04220 1	MASONRY UNITS Congrete Masonry Units	[82] C. NORO, Phys. Rev. B 525, 111 (1997).	NONE		AMOUNT
04200 04220 1	MASONRY UNITS Concrete Masonry Units Concrete masonry units	QUANTITY SUB-TOTAL	NONE		S AMOUNT
04200 04220 1	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades	SUB-TOTAL GUANTITY 24,149	NONE	S 7.00	\$ AMQUNT
04200 04220 1 04900 04910 1 2	MASONRY UNITS Congrete Masonry Units Congrete masonry units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%)	SUB-TOTAL GUANTITY 24,149 2,415	NONE UNIT	UNIT PRICE \$ 7.00 \$ 50.00	\$ AMQUNT \$ 169,0 \$ 120,7
04200 04220 1 04900 04910	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades	SUB-TOTAL GUANTITY 24,149	NONE	S 7.00	\$ AMQUNT
04200 04220 1 04900 04910 1 2 3	MASONRY UNITS Concrete Masonry Units Concrete masonry units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for façade repairs	SUB-TOTAL GUANTITY 24,149 2,415	NONE UNIT	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00	\$ AMQUNT \$ 169,0 \$ 120,7
04200 04220 1 04900 04910 1 2 3	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for façade repairs Stone Restoration	SUB-TOTAL GUANTITY 24,149 2,415 44,174	NONE UNIT SF SF SF	\$	\$ AMOUNT \$ 169.0 \$ 120,7 \$ 353,3
04200 04220 1 04900 04910 1 2 3 04920	MASONRY UNITS Concrete Masonry Units Concrete masonry units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades	SUB-TOTAL GUANTITY 24,149 2,415 44,174	NONE UNIT SF SF SF SF SF	\$ 7.00 \$ 50.00 \$ 8.00	\$ 169.0 \$ 120.7 \$ 353.3
04200 04220 1 04900 04910 1 2 3	MASONRY UNITS Concrete Masonry Units Concrete masonry units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades Repairing existing stone facades (Assumed 25%)	SUB-TOTAL GUANTITY 24,149 2,415 44,174	NONE UNIT SF SF SF	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 5.50 \$ 50.00	\$ 169.0 \$ 120.7 \$ 353.3
04200 04220 1 04900 04910 1 2 3 04920	MASONRY UNITS Concrete Masonry Units Concrete masonry units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades	SUB-TOTAL GUANTITY 24,149 2,415 44,174	NONE UNIT SF SF SF SF SF	\$ 7.00 \$ 50.00 \$ 8.00	\$ 169.0 \$ 120.7 \$ 353.3
04200 04220 1 1 04900 04910 1 2 3 04920 1	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%)	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,188	NONE UNIT SF SF SF SF SF	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 5.50 \$ 50.00	\$ AMCUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$
04200 04220 1 1 04900 04910 1 2 3 04920 1	MASONRY UNITS Concrete Masonry Units Concrete masonry units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades Repairing existing stone facades (Assumed 25%)	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,188	NONE UNIT SF SF SF SF SF	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 5.50 \$ 50.00	\$ AMQUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4
04200 04220 1 1 04900 04910 1 2 3 04920 1	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,188	NONE UNIT SF SF SF SF SF	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 5.50 \$ 50.00	\$ AMCUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,189 SUB-TOTAL	NONE UNIT SF SF SF SF SF	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 50.00	\$ AMCUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Congrete Masonry Units Congrete masonry units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY	QUANTITY SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL	NONE UNIT SF SF SF SF	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ AMGUNT \$ 169.0 \$ 120,7 \$ 353,3 \$ 47.7 \$ 108,4 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Stepher Restoration Repointing existing stone facades Repairing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5	QUANTITY SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL METALS	NONE UNIT SF. SF. SF. SF. UNIT	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ 169.0 \$ 120,7 \$ 353,3 \$ 47.7 \$ 108.4 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Stagne Restoration Repointing existing stone facades Repairing existing stone facades Repairing existing etone facades Repairing existing etone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel	QUANTITY SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL	NONE UNIT SF SF SF SF	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ AMGUNT \$ 169.0 \$ 120,7 \$ 353,3 \$ 47.7 \$ 108,4 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel	SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,168 SUB-TOTAL METALS GUANTITY	UNIT SF SF SF SF UNIT	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 50.00 \$ 9.00 \$ UNIT PRICE	\$ AMQUNT \$ 169.0 \$ 120.7 \$ 353,3 \$ 47.7 \$ 108,4 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Congrete Masonry Units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural steel @ roof freming @ Ground Level; Inside existing Courtyard	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL METALS QUANTITY	UNIT SF SF SF SF TONS	UNIT PRICE \$ 7,00 \$ 56,00 \$ 8,00 \$ 50,00 \$ 9	\$ AMGUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$ 799,3 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2	MASONRY UNITS Congrete Masonry Units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for façade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural steel @ roof freming @ Ground Level; Inside existing Courtyard Miscellaneous steel lintels; angles; brackets - Allowance	SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL METALS GUANTITY 2 1	UNIT SF SF SF SF UNIT	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 50.00 \$ 9.00 \$ UNIT PRICE	\$ AMGUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$ 799,3 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Congrete Masonry Units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for façade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel @ roof freming @ Ground Level; Inside existing Courtyard Miscellaneous steel lintals; angles; brackets - Allowance	QUANTITY SUB-TOTAL QUANTITY 24,149 2,415 44,174 8,676 2,189 SUB-TOTAL METALS QUANTITY 2 1	UNIT SF SF SF SF TONS	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 50.00 \$ 50.00 \$ 10.000.00	\$ 169.0 \$ 120.7 \$ 353.3 \$ 47.7 \$ 108.4 \$ 799.3 \$ 799.3
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Congrete Masonry Units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for façade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 4 - MASONRY STRUCTURAL METAL FRAMING Structural steel @ roof freming @ Ground Level; Inside existing Courtyard Miscellaneous steel lintels; angles; brackets - Allowance	SUB-TOTAL GUANTITY 24,149 2,415 44,174 8,676 2,169 SUB-TOTAL METALS GUANTITY 2 1	UNIT SF SF SF SF TONS	UNIT PRICE \$ 7.00 \$ 50.00 \$ 8.00 \$ 50.00 \$ 50.00 \$ 10.000.00	\$ AMGUNT \$ 169,0 \$ 120,7 \$ 353,3 \$ 47,7 \$ 108,4 \$ 799,3 \$ 799,3
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Concrete Masonry Units Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Stane Restoration Repointing existing stone facades Repairing existing stone facades Repairing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel Structural steel @ roof freming @ Ground Level; Inside existing Courtyard Miscellianeous steel lintels; angles; brackets - Alloyance	QUANTITY SUB-TOTAL GUANTITY 24.149 2,415 44,174 8,676 2,168 SUB-TOTAL QUANTITY 2 1 SUB-TOTAL QUANTITY	UNIT SF SF SF SF SF LS UNIT	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ 169.0 \$ 120.7 \$ 353.3 \$ 47.7 \$ 108.4 \$ 799.3 \$ 799.3 \$ 10.0 \$ 10.0 \$ 10.0
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Concrete Masonry Units Concrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural Steel ② roof freming ② Ground Level; Inside existing Courtyard Miscellaneous steel lintels; angles; brackets - Allowance	QUANTITY SUB-TOTAL QUANTITY 24.149 2,415 44,174 8,676 2,188 SUB-TOTAL METALS QUANTITY 2 1 SUB-TOTAL QUANTITY	NONE UNIT SF SF SF SF UNIT	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ 169.0 \$ 120.7 \$ 353.3 \$ 47.7 \$ 108.4 \$ 799.3 \$ 799.3 \$ 10.0 \$ 10.0 \$ 10.0
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120	MASONRY UNITS Congrete Masonry Units Congrete masonry units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural steel @ roof freming @ Ground Level; Inside existing Courtyard Miscellaneous steel lintels; arigles; brackets - Allowance	QUANTITY SUB-TOTAL QUANTITY 24.149 2.415 44.174 8.676 2.169 SUB-TOTAL QUANTITY 2 1 SUB-TOTAL QUANTITY 720	NONE UNIT SF SF SF SF UNIT	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00	\$ 169.0 \$ 120,7 \$ 353,3 \$ 47.7 \$ 108,4 \$ 799,3 \$ 799,3 \$ 10,0 \$ 10,0 \$ 10,0
04200 04220 1 04900 04910 1 2 3 04920 1 2 OTAL FOR 5 05100 05120 1 2	MASONRY UNITS Congrete Masonry Units Congrete masonry units Congrete masonry units RESTORATION AND CLEANING Unit Masonry Restoration Repointing existing face brick facades Repairing existing face brick facades (Assumed 10%) Scaffolding for facade repairs Stone Restoration Repointing existing stone facades Repairing existing stone facades (Assumed 25%) DIVISION 4 - MASONRY DIVISION 5 STRUCTURAL METAL FRAMING Structural steel @ roof framing @ Ground Level; Inside existing Courtyard Miscellaneous steel lintels; angles; brackets - Allowance METAL DECK Steel Deck Metal deck @ roof framing @ Ground Level; if 1/2" x 22 gauge; Inside existing Metal deck @ roof framing @ Ground Level; if 1/2" x 22 gauge; Inside existing	QUANTITY SUB-TOTAL QUANTITY 24.149 2,415 44,174 8,676 2,188 SUB-TOTAL METALS QUANTITY 2 1 SUB-TOTAL QUANTITY	NONE UNIT SF SF SF SF UNIT UNIT	\$ 7.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 10.000.00	\$ 169.0 \$ 120,7 \$ 353,3 \$ 47.7 \$ 108,4 \$ 799,3 \$ 799,3 \$ 10,0 \$ 10,0 \$ 10,0

WORLD OF INQUIRY 8CHOOL # 58



PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011 05500 METAL FABRICATIONS QUANTITY UNIT UNIT PRICE **AMOUNT** 05510 Stairs and Ladders adders @ elevator pits ĘΑ 1,000.00 1,000 05520 Handrails and Railings Miscellaneous handrailings LS 5,000.00 5,000 05580 Formed Metal Fabrications Column covers; decorative (Allowance) LS 50,000.00 50,000 Elevator sill plates @ Lower Level EA 150,00 150 3 Elevator sill plates @ Ground Level ĒÄ 150.00 150 Elevator sili plates @ Upper Level EA 150.00 150 5 Bike racks (Allowance) EA 3,000.00 6.000 6 discellaneous metal fabrications LS 30,000.00 30,000 SUB-TOTAL 92,450 05700 ORNAMENTAL METAL QUANTITY UNIT UNIT PRICE AMOUNT 05710 Ornamental Stairs Ornamental metal stairs; from High School Dining raised level down to Lower evel; 6 treads, 7 risers; including handrallings FLT 6,600.00 6,500 Ornamental metal stairs; from Lower Level to Ground Level; 21 treads, 22 2 risers; including handrallings **FLT** 19,500.00 19,500 Ornamental metal stairs; from Ground Level to Upper Level; 21 treads, 22 3 risers; including handrailings FLT 19,500.00 19,500 Omamental metal stairs; from first quarter space landing (of stair from Lower Level to Ground Level) to Staff Dining; 14 treads, 15 risers; including handrailings FLT 13,000.00 13,000 Ornamental metal stairs; from Main Lobby to Ground Level; 6 treads, 7 risers,8' 2 3/4" wide; including handrailings 6 FLT 10,500.00 10,500 Ornamental metal stairs; from Main Lobby to Ground Level; 6 treads, 7 r. S · • • • • 6 risers,8' 11" wide; including hendrallings FLT 11,500.00 11,500 Omamental metal stairs; from Main Lobby to Ground Level; 6 treads, 7 risers,9' 6" wide; including handrailings FLT 12,250.00 12,250 SUB-TOTAL 92,750 **TOTAL FOR** DIVISION 5 - METALS 205,000 8 DIVISION 6 - WOOD AND PLASTICS 08100 ROUGH CARPENTRY QUANTITY UNIT **UNIT PRICE** AMOUNT 06105 Miscellaneous Carpentry orming ramps @ existing raised floor 112 SF 100.00 11,200 Miscellaneous rough carpentry 91,929 GSF 1.00 91,929 SUB-TOTAL 103,129 06400 ARCHITECTURAL WOODWORK QUANTITY UNIT UNIT PRICE AMOUNT 06450 Standing and Running Trim Wood stools @ windows 91,929 **GSF** 0.50 45.965 Standing and running trim 91,929 GSF 1.00 91,929 SUB-TOTAL 137,894 ASSECTION OF THE PROPERTY OF T ACUANITA E AMOUNT 級UNTIPRIDE A Wood Reatoration and Cleaning (Allowands))
Reatoration of historical architectural wiscowork a 08810 港南 \$ 300,000.00 en an en 1.8. 300,000 SUB-TOTAL 300,000 TOTAL FOR DIVISION 6 - WOOD AND PLASTICS 391,023 7 DIVISION 7 - THERMAL AND MOISTURE PROTECTION **07800** FIRE AND SMOKE PROTECTION QUANTITY UNIT UNIT PRICE AMOUNT 07810 Applied Fireproofing 1 Patching @ existing spray applied fireproofing at steel framing LS 5,000.00 5,000 07841 Through-Penetration Firestop Systems discellaneous fire stopping 91,929 GSF 0.50 45,965 SUB-TOTAL 50,965 07900 JOINT SEALERS QUANTITY UNIT UNIT PRICE AMOUNT 07921 Joint Sealants Viscellaneous joint sealants 91,929 **GSF** 0.50 45,965 SUB-TOTAL 45,965 **TOTAL FOR** DIVISION 7 - THERMAL AND MOISTURE PROTECTION \$ 96,929

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WORLD OF INQUIRY SCHOOL # 58:



PROJECT DETAILED ESTIMATE - RENOVATIONS

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	DIVISION 8 - DOOR	S AND WINDO	Ws ·		
8 08100	DOORS AND FRAMES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
08100	Doors and Frames	****			
	Exterior doors @ Lower Level; steel; Type D; double; including frames and	****	F 70 97.		
1	hardware	3	PAIRS	\$ 2,000.00	\$ 6,000
2	Exterior doors @ Ground Level; wood; Type A; double: including frames and hardware	2	PAIRS	\$ 2,000.00	\$ 4,000
<u> </u>	Exterior doors @ Ground Level; steel; Type C; double; including frames and	 	171159	2,000,000 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3	hardware	1	PAIRS	\$ 2,000.00	\$ 2,000
	Exterior doors @ Ground Level; steel, Type D; double; including frames and	さつ は、響性をはた	STORESON OF		
<u>4</u> 5	hardware (X-Cost) Fire-rating; 90 minutes	2.	PAIRS EA	\$ 2,000.00 \$ 100.00	\$ 6,000 \$ 200
	Interior doors @ Lower Level; wood; Type A; single; including frames and	Example 17		7	
6	hardware	49	EA	\$ 1,500.00	
7	(X-Cast) Fire-rating; 45 minutes	(3.5) (1.)	EA EA	\$ 100.00 \$ 100.00	\$ 100
8	(X-Cost) Fire-rating; 90 minutes Interior doors @ Lower Level; wood; Type A; single; between existing building	1	EA	\$ 100.00	\$ 100
9	and new addition; including frames and hardware	2	EA	\$ 1,500.00	\$ 3,000
1. 1. 1. 1.	Interior doors @ Lower Level; wood; Type A; double; including frames and	We the second se	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 1801 M. C. 1850. D	25 AV 1800
10	hardware seems see	6	PAIRS	\$ 2,000.00	
11 12	(X-Cost) Fire-rating, 45 minutes (X-Cost) Fire-rating, 90 minutes	4	EA EA	\$ 100.00 \$ 100.00	
· · · · · · · · · · · · · · · · · · ·	Interior doors @ Lower Level; hollow metal; Type A; single; including frames	CKT - W	7.5	1	
13	and hardware	3	EA	\$ 1,500.00	
14	(X-Cost) Fire-rating; 90 minutes	2	EA	\$ 100.00	\$ 200
15	Interior doors @ Lower Level; hollow metal; Type E; single, including frames and hardware	4	EA	\$ 1,500.00	\$ 6,000
16	(X-Cost) Fire-rating; 90 minutes	2 a a m 2 m	EA	\$ 100.00	\$ 200
· ·	Interior doors @ Lower Level; hollow metal; Type E; double; including frames	and the first of			
17	and hardware	7 1	EA	\$ 1,250.00	\$ 1,250
18	Interior doors @ Lower Level; hollow metal; Type F; double (2 x 3'); including frames and hardware	2	EA	\$ 2,000.00	\$ 4,000
19	(X-Cost) Fire-rating; 90 minutes	1	ĒA	\$ 100.00	
-	Interior doors @ Lower Level; hollow metal; Type F; double (2 x 4'); including				
20	frames and hardware Interior doors @ Ground Level; wood; Type A; single; Induding frames and	<u> </u>	EA.	\$ 2,000,00	\$ 2,000
21	Inadware	. 34	EA	\$ 1,500.00	\$ 51,000
22	(X-Cost) Acoustic rating	, 34 , 7	EA	\$ 100.00	\$ 700
	Interior doors @ Ground Level; wood; Type A; double; including frames and		BAIDO	0.000.00	0.000
23	hardware Interior doors @ Ground Level; wood; Type B; double; including frames and	1	PAIR6	\$ 2,000.00	\$ 2,000
24	hardware	1	PAIRS	\$ 2,000.00	\$ 2,000
25	(X-Cost) Fire-rating; 45 mlnutes	. 1	EA	\$ 100.00	\$ 100
	Interior doors @ Ground Level; wood; Type B; double; between existing building and new addition; including frames and hardware	. 4	PAIRS	\$ 2,000.00	\$ 8,000
26 27	(X-Cost) Fire-rating; 90 minutes	4	EA	\$ 100.00	
	interior doors @ Ground Level; hollow metal; Type A; single; including frames				41 N 12 1 1 1 1 1 1 1 1
28	and hardware	STARLEY.	EA	\$ 1,250.00	\$ 1,250
00	Interior doors @ Ground Level; hollow metal; Type E; single; including frames	6	EA	\$ 1,500.00	\$ 9,000
29	and hardware [Interior doors @ Ground Level; hollow metal; Type E; single; between existing			4 1,000,00	9,000
30	building and new addition; including frames and hardware	11	<u>EA</u>	\$ 1,500.00	\$ 1,500
	Interior doors @ Ground Level; steel; Type D; double; including frames and		24122		
31 32	hardware (X-Cost) Fire-rating; 90 minutes	2 2	PAIRS EA	\$ 2,000.00 \$ 100.00	
JE	Interior doors @ Upper Level ; wood; Type A; single; including frames and	-	· 	150.00	
33	hardware	24	EA	\$ 1,500.00	\$ 36,000
	Interior doors @ Upper Level; wood; Type B; double; including frames and	1 .	BAIDS	6 000000	
34	hardware (X-Cost) Fire-rating; 90 minutes	4	PAIRS EA	\$ 2,000.00 \$ 100.00	
35	Interior doors @ Upper Level; wood; Type B; double; between existing building	J		100.00	
36	and new addition; including frames and hardware	11	PAIRS	\$ 2,000.00	
37	(X-Cost) Fire-rating; 90 minutes	<u> </u>	EA .	\$ 100.00	<u>\$ 100</u>
45 1 38	interior doors @ Upper Level; hollow metal; Type E; single; including frames and hardware	5	EA	\$ 1,500.00	\$ 7,500
39	(X-Cost) Fire-rating; 90 minutes	.1	EA	\$ 100.00	\$ 100
40	Miscellaneous non-detailed doors	19	EA	\$ 2,000.00 \$	\$ 38,000
, 1, m		SUB-TOTAL	1	 \$	\$ 297,600
08300	SPECIALTY DOORS	QUANTITY	UNIT	UNITPRICE	AMOUNT
08311	Access Doors and Frames		77,950	The Market	
1	Access doors and frames	91,929	GSF	\$ 0.30	
08360	Overhead Doors	1	94 15 14	1 2 2 2 2 2	4 + X
1	Roll-down shutter @ Servery; 23' 6" x 11'	1	EA	\$ 20,000.00	\$ 20,000
		entration	e galeria	\$ -	\$ -
T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		SUB-TOTAL			\$ 47,579

Sample of

WORLD OF INQUIRY 8CHOOL #58



PROJECT DETAILED ESTIMATE - RENOVATIONS

1 Atuminum and glass windows @ Lower Level 2 Aluminum and glass windows @ Ground Level 3 Aluminum and glass windows @ Ground Level 4 Aluminum and glass windows @ Upper Level 68880 Special Function Windows 1 Aluminum./ glass service windows; interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows 68880 GLAZING 688	UB-TOTAL	SF SF SF EA GSF LS	\$ 60.00 \$ 80.00 \$ 80.00 \$ 1.00 \$ 20,000.00 \$ 20,000.00	\$ 178 \$ 306 \$ 198 \$ 3 5 91 \$ 20 \$ 785
1 Atuminum and glass windows @ Lower Level 2 Aluminum and glass windows @ Ground Level 3 Aluminum and glass windows @ Ground Level 4 Aluminum and glass windows @ Upper Level 68880 Special Function Windows 1 Aluminum./ glass service windows; interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows 68880 GLAZING 688	2,931 5,106 3,312 1 91,929 1 8UB-TOTAL CUANTITY	SF SF SF EA GSF LS	\$ 60.00 \$ 80.00 \$ 60.00 \$ 1.00 \$ 20,000.00	\$ 175 \$ 306 \$ 198 \$ 3 \$ 91 \$ 20 \$ 785 AMOUNI
Aluminum and glass windows @ Ground Level Aluminum and glass windows @ Upper Level O8880 Special Function Windows 1 Aluminum/glass service windows, interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows Glasting Restoration (Allowance) 1 Repair renovation and reinstallation of stained Plass Windows FAL FOR DIVISION 8 - DOORS AND WINDOWS DIVISION 8 - DOORS AND WINDOWS DIVISION 9 - FIN O9200 PLASTER AND GYPSUM BOARD O9260 Gypeum Board Assemblies 1 Metal stud demising partitions @ Lower Level A Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level	5,106 3,312 1 91,929 1 SUB-TOTAL CUANTITY 1 UB-TOTAL	SF SF SF EA GSF LS	\$ 80.00 \$ 60.00 \$ 3,000.00 \$ 1.00 \$ 20,000.00 \$	\$ 306 \$ 198 \$ 3 \$ 91 \$ 20 \$ 785
Aluminum and glass windows @ Ground Level Aluminum and glass windows @ Upper Level O8880 Special Function Windows 1 Aluminum/glass service windows, interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows Glasting Restoration (Allowance) 1 Repair renovation and reinstallation of stained Plass Windows FAL FOR DIVISION 8 - DOORS AND WINDOWS DIVISION 8 - DOORS AND WINDOWS DIVISION 9 - FIN O9200 PLASTER AND GYPSUM BOARD O9260 Gypeum Board Assemblies 1 Metal stud demising partitions @ Lower Level A Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Lower Level	5,106 3,312 1 91,929 1 SUB-TOTAL CUANTITY 1 UB-TOTAL	SF SF SF EA GSF LS	\$ 80.00 \$ 60.00 \$ 3,000.00 \$ 1.00 \$ 20,000.00 \$	\$ 300 \$ 198 \$ 5 91 \$ 20 \$ 785
O8880 Special Function Windows Aluminum, glass service windows; interior @ Nurse Office Sidelights @ doors Miscellaneous Interior windows O8880 O8880 O8880 Clazing Glazing G	3,312 1 91,929 1 SUB-TOTAL QUANTITY 4 UB-TOTAL	EA GSF LS	\$ 80.00 \$ 80.00 \$ 3,000.00 \$ 1.00 \$ 20,000.00	\$ 300 \$ 198 \$ 5 91 \$ 20 \$ 785
1 Auminum/ glass service windows; interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows 08800	1 91,929 1 SUB-TOYAL QUANTINY	EA GSF LS	\$ 3,000.00 \$ 1.00 \$ 20,000.00	\$ 199 \$ 5 5 91 \$ 20 \$ 795 \$ AMOUNT
Alyminum, glass service windows; interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows GEAZING SI GEAZING GEAZING GEAZING SI GEAZING GEAZING GEAZING GEAZING GEAZING SI GEAZING GEAZING GEAZING GEAZING GEAZING SI GEAZING GEAZING SI GEAZING GEAZING GEAZING SI GEAZING GEAZING SI GEAZING SI GEAZING SI GEAZING GEAZING SI GEAZING GEAZING SI G	1 91,929 1 SUB-TOYAL QUANTINY	EA GSF LS	\$ 3,000.00 \$ 1.00 \$ 20,000.00 \$	\$ 5 91 \$ 20 \$ 795
Alyminum, glass service windows; interior @ Nurse Office 2 Sidelights @ doors 3 Miscellaneous Interior windows GEAZING SI GEAZING GEAZING GEAZING SI GEAZING GEAZING GEAZING GEAZING GEAZING SI GEAZING GEAZING GEAZING GEAZING GEAZING SI GEAZING GEAZING SI GEAZING GEAZING GEAZING SI GEAZING GEAZING SI GEAZING SI GEAZING SI GEAZING GEAZING SI GEAZING GEAZING SI G	1 SUB-TOTAL CUANTITY UB-TOTAL	GSF LS	\$ 1.00 \$ 20,000.00 \$	\$ 91 \$ 20 \$ 795 • AMQUN
2 Sidelights @ doors 3 Miscellaneous interior windows Ossoo Ossoo Classing Respectation (Allowance) Allowing Community and temperature of stained plass windows State of the Community and temperature of stained plass windows State of the Community and temperature of stained plass windows State of the Community and temperature of stained plass windows State of the Community and temperature of the Community and the	1 SUB-TOTAL CUANTITY UB-TOTAL	GSF LS	\$ 1.00 \$ 20,000.00 \$	\$ 91 \$ 20 \$ 795 • AMQUN
3 Miscellaneous Interior windows O\$800	1 SUB-TOTAL CUANTITY UB-TOTAL	GSF LS	\$ 1.00 \$ 20,000.00 \$	\$ 91 \$ 20 \$ 795 • AMQUN
Miscellaneous Interior windows GEATING 1 SUB-TOTAL CUANTITY UB-TOTAL	LS (STEAU) LO	\$ 1.00 \$ 20,000.00 \$	\$ 91 \$ 20 \$ \$ 795 AMQUN	
GLAZING GRAZING GRA	1 SUB-TOTAL CUANTITY UB-TOTAL	LS (STEAU) LO	\$ 20,000.00 \$	\$ 20 \$ 795 \$ AMQUNI
Registry renovation and reinsellation of stained blass windows Stained blass windows	BUE-TOTAL QUANTITY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		S SAUNITARIO	\$ 785 AMOUN
Registry renovation and reinsellation of stained blass windows Stained blass windows	CUANTINE WEFFOTAL	The secretary states		\$ 795
Registry renovation and reinsellation of stained blass windows Stained blass windows	CUANTINE WEFFOTAL	The secretary states		AMOUNT
Registry renovation and reinsellation of stained blass windows Stained blass windows	UB-TOTAL NISHES	The secretary states		AMOUN)
State Stat	UB-TOTAL NISHES	The secretary states		
9 DIVISION 8 - DOORS AND WINDOWS 9 DIVISION 9 - FIN 99200 PLASTER AND GYPSUM BOARD Q 99260 Gypeum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Uncert Level	NISHES	18.7	\$ 75,000,00 \$	\$ 78
9 DIVISION 8 - DOORS AND WINDOWS 9 DIVISION 9 - FIN 99200 PLASTER AND GYPSUM BOARD Q 99260 Gypeum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Uncert Level	NISHES		75,000,00	\$ 78
9 DIVISION 8 - DOORS AND WINDOWS 9 DIVISION 9 - FIN 09200 PLASTER AND GYPSUM BOARD 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Unper Level	NISHES			
9 DIVISION 8 - DOORS AND WINDOWS 9 DIVISION 9 - FIN 09200 PLASTER AND GYPSUM BOARD 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Unper Level	NISHES			St. A. Y. St. A. St.
9 DIVISION 9 - FIN 09200 PLASTER AND GYPSUM BOARD 09250 Gypeum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Lower Level				\$ 75
9 09200 PLASTER AND GYPSUM BOARD Q 09260 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ University and Descriptions @ University and Descri				/5,
09200 PLASTER AND GYPSUM BOARD QI 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Unper Level				
09200 PLASTER AND GYPSUM BOARD QI 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Unper Level				_\$ 1,216,0
09200 PLASTER AND GYPSUM BOARD QI 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Unper Level				
PLASTER AND GYPSUM BOARD 09250 Gypsum Board Assemblies 1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Uncert Level				
Metal stud demising partitions @ Lower Level Metal stud demising partitions @ Ground Level Metal stud demising partitions @ Ground Level	MANTEV			
1 Metal stud demising partitions @ Lower Level 2 Metal stud demising partitions @ Ground Level 3 Metal stud demising partitions @ Uroset Level		UNIT	Date Service	
2 Metal stud demising partitions @ Lower Level 3 Metal stud demising partitions @ Ground Level		2011	UNIT PRICE	AMOUNT
3 Metal stud demising partitions @ Ground Level	0.455		·	
Metal stud demising partitions @ Upper Level	9,180	SF	\$ 8.50	•
	5,550	SF		5 78,1
4 Metal atur demision positions &	2,608			\$ 47,
		SF	\$ 8.50	\$ 21,:
	367	SF	\$ 10.50	\$ 3,6
	878	SF	\$ 10.50	
7 Metal stud shaft walls @ elevators @ Lower Level	277	SF		\$ 9,2
8 Metal stud sheft wolls @ elevators @ Lower Level	480	8F	\$10.50	\$ 2.9
			\$ 8.50	\$ 4,0
Initial Study Start Walls of placetors of Linear Land	480	SF	\$ 8.50	\$ 4,0
10 Miscellaneous metal stud walls	480	SF	\$ 8.50	
11 Miscellaneous GWD soffit and buikheads	1	LS		5 4,0
SOUR AND BORNEAGS	1	LS		\$ 25,0
	 -		\$ 20,000.00	\$ 20,0
09300 SUE	B TEST		\$ -	\$
	B-TOTAL			\$ 219,7
99310 Coreinte Tile QU	DANTITY	UNIT	UNIT PRICE	AMOUNT
1 Ceramic tile @ floors @ Lower Level				-AMOUNT
2 Ceramic tile @ floors @ Ground Level	1,023	~		
3 Ceramic tile @ floors @ Ground Level	874	SF	\$ 12.00	\$ 12,2
		SF .	\$ 12.00	\$ 10,41
4 Ceremic tile @ base @ Lower Level	627	SF	\$ 12.00	
Geramic tile @ base @ Ground Level	336	LF		9,9
6 Ceramic tile @ base @ Upper Level	302	LF	\$ 12.00 8	
7 Querry tile & Gose (g Opper Leve)	298		\$ 12.00 \$	3,62
Eggett A tild (fix lift) Lawer I gwel		LF	\$ 12.00 \$	3,57
6 Jugarry (ile @ base @ Lower i evel	933	SF	\$ 15.00 \$	
	215	SF		13,98
			\$ 15.00 \$	3,22
19500 SUB	3-TOTAL		<u> </u>	<u> </u>
CEILINGS	ANTITY			61,14
	AN III.Y	UNIT	UNIT PRICE	AMOUNT
				THOUSE
2 ACT cellings @ Ground Level; 2' x 4' 20	0,843	SF	 -	
	8,690		\$ 4.00 \$ \$ 4.00 \$	83,37
				114,76
	7,383		\$ 4.00 \$	
	,596			
A = 10			\$ 4.00 \$	6,384
	···			
1 Suspended ceiling "clouds: @ Lower Level 2 Suspended ceiling "clouds: @ Lower Level 5.4		<u>-</u> <u>-</u> -		
2 [Suspended ceiling "cjouds" @ Ground Level	,229	SF !	\$ 25.00 \$	130,725
5.	,171	SF		
				129,275
1600 SUE-	-TOTAL		<u>/</u>	
FLOORING	WITTY	VIII-		534,048
VAV D-Bt Ft UUA	OFFICE	UNIT	UNIT PRICE	AMOUNT
				-un-\$-\$141
1. VCT @ floors @ Lower Level	882	SF S	, <u>-</u>	
1. VCT @ floors @ Lower Level				57,205
1. VCT @ floors @ Lower Level 2. VCT @ floors @ Ground Level 2. 22,4	10EU	SF \$		57,550
1. VCT @ floors @ Lower Level 2. VCT @ floors @ Ground Level 22,4 3. VCT @ floors @ Upper Level 23,6		SF \$	2.50 \$	
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 22,1 3. VCT @ floors @ Upper Level 23,0 4. Lincleum @ floors @ Lower Level 15,1	153			37,883
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 23,0 4. Linoleum @ floors @ Lower Level 15,1 5. Linoleum @ floors @ Ground Level 1,7			19,00 L C	17,530
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 23,0 4. Linoleum @ floors @ Lower Level 15,1 5. Linoleum @ floors @ Ground Level 1,7	,153 753	SF \$		77.7
1	,153 753 59	SF \$	10.00 \$	5.590
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 23,0 4. Lincleum @ floors @ Lower Level 15, 5. Lincleum @ floors @ Ground Level 5,5 6. Lincleum @ floors @ Upper Level 5,5 7. Rubber base @ Lower Level 1,4	,153 753 559 402	SF \$ SF \$	10.00 \$	5,590
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 15,1 4. Lincleum @ floors @ Lower Level 1,7 5. Lincleum @ floors @ Upper Level 5,5 6. Lincleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 9. Rubber base @ Ground Level 4,9	,153 753 159 402 991	SF \$ SF \$ SF \$	10.00 \$ 10.00 \$	14,020
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 15,1 4. Lincleum @ floors @ Lower Level 1,7 5. Lincleum @ floors @ Upper Level 5,5 6. Lincleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 9. Rubber base @ Ground Level 4,9	,153 753 159 402 991	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$	14,020 19,964
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 15,1 4. Linoleum @ floors @ Lower Level 1,7 5. Linoleum @ floors @ Upper Level 5,5 6. Linoleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 9. Rubber base @ Ground Level 4,9 9. Rubber base @ Upper Level 5,5	,153 753 759 402 991 564	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$	14,020 19,964
1. VCT @ floors @ Lower Level 22,1 2. VCT @ floors @ Ground Level 23,0 3. VCT @ floors @ Upper Level 15,1 4. Linoleum @ floors @ Lower Level 1,7 5. Linoleum @ floors @ Upper Level 55 6. Linoleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 9. Rubber base @ Ground Level 4,9 9. Rubber base @ Upper Level 5,5 9. Rubber base @ Upper Level 2,9	,153 753 759 402 991 564	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256
1	,153 753 759 402 991 564	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$	14,020 19,964
1. VCT @ floors @ Lower Level 22,4 2. VCT @ floors @ Ground Level 23,4 3. VCT @ floors @ Upper Level 23,4 4. Lincleum @ floors @ Lower Level 15,7 5. Lincleum @ floors @ Ground Level 5,5 6. Lincleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 8. Rubber base @ Ground Level 4,9 9. Rubber base @ Upper Level 5,5 9. Rubber sport flooring @ Fliness Room	,153 753 759 402 991 584	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256
1. VCT @ floors @ Lower Level 22,4 2. VCT @ floors @ Ground Level 23,4 3. VCT @ floors @ Upper Level 23,4 4. Lincleum @ floors @ Lower Level 15,7 5. Lincleum @ floors @ Ground Level 5,5 6. Lincleum @ floors @ Upper Level 1,4 7. Rubber base @ Lower Level 1,4 8. Rubber base @ Ground Level 4,9 9. Rubber base @ Upper Level 5,5 9. Rubber sport flooring @ Fliness Room	,153 753 759 402 991 584	SF \$ SF \$ SF \$ LF \$ LF \$ SF \$ SF \$ SF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256 11,892
1. VCT @ floors @ Lower Level 22,4 2. VCT @ floors @ Ground Level 23,5 3. VCT @ floors @ Upper Level 23,5 4. Linoleum @ floors @ Lower Level 15,7 5. Linoleum @ floors @ Ground Level 5,5 6. Linoleum @ floors @ Upper Level 5,5 7. Rubber base @ Lower Level 1,4 9. Rubber base @ Ground Level 4,9 9. Rubber base @ Ground Level 5,5 9. Rubber base @ Upper Level 5,5 9. Rubber base @ Upper Level 5,5 9. Rubber base @ Upper Level 5,5 1. Rubber base @ Upper Level 5,5 1. Rubber sport flooring @ Fitness Room 1,22	,153 753 759 402 991 584	SF \$ SF \$ LF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256 11,892
1.	,153 753 759 402 991 584	SF \$ SF \$ SF \$ LF \$ LF \$ SF \$ SF \$ SF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256
1.	,153 753 159 402 991 564 973	SF \$ SF \$ SF \$ LF \$ LF \$ SF \$ SF \$ SF \$	10.00 \$ 10.00 \$ 4.00 \$ 4.00 \$ 4.00 \$	14,020 19,964 22,256 11,892

WORLD OF INQUIRY SCHOOL # 58





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09680	Carpet	A THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N	The state of the s	Appropriate the second second	
1 Carpet @ floors @ Lower Level		4 670	The state of the s	1 M	48, 45
2 Carpet @ floors @ Ground Level	· · · · · · · · · · · · · · · · · · ·	1,078	SF	\$ 5.00	\$ 5,390
THE THE PARTY OF T	And the second s		8F	\$. 5.00	\$ 40.005
Inches and the second s	and the second of the second o	V 2 1 34 200 3 7 3	1000 800	400	40,905

WORLD OF INQUIRY SCHOOL # 58

Draft

PROJECT DETAILED ESTIMATE - RENOVATIONS

						9/12/2011
	09690					
	1	Flooring Restoration Preparing and patching existing floors to receive new finishes				
		1. Takanana and baranana ayisang ildora to labaha hilama ilinianas	91,929	SF	\$ 3.00	\$ 275,787
	to a second		SUB-TOTAL	<u> </u>	\$ -	\$ -
	00800	ACOUSTICAL TREATMENT	QUANTITY	UNIT	UNIT PRICE	\$ 579,260 AMOUNT
	09820	Acoustical Insulation and Sealants	4-1-1-17		CHITPINGE	AIMOUNT
	1	Acoustical wall panels @ Music Room and Practice Rooms (Allowance)	1,486	SF	\$ 15.00	\$ 22,290
	2	Acoustical wall panels @ Cefeteria (Allowance)	2,190	SF	\$ 15.00	\$ 32,850
					\$ -	\$ -
	09900	PAINTS AND COATINGS	SUB-TOTAL			\$ 55,140
	03910		QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Paint @ CMU / GWS walls @ Lower Level				
	2	Paint @ CMU / GWB walls @ Ground Level	51,788	SF	\$ 1.00	\$ 51,786
	3	Paint @ CMU / GWB walls @ Upper Level	56,925 27,735	SF SF	\$ 1.00	\$ 56,925
	4	Paint @ CMU / GWB walls; epoxy; @ Lower Level	5,439	SF	\$ 1.00 \$ 1.50	\$ 27,735
	5	Paint @ CMU / GWB walls: appoy: @ Ground Lave!	6,218	SF	\$ 1.50	\$ 8,159
	6	Paint @ CMU / GWB walls: epoxy: @ Upper Level	2,780	SF	\$ 1.50	\$ 9,327 \$ 4,170
	<u> </u>	Paint @ exposed ceiling structures @ Lower Level	5,733	SF	\$ 2.50	\$ 14,333
	8 9	Paint @ exposed celling structures @ Ground Level	5,171	8F	\$ 2.50	\$ 12,928
	10	Paint @ doors Paint @ door frames; single	59	EΑ	\$ 100.00	\$ 5,900
	11	Paint @ door frames; angle	129	EA	\$ 55.00	\$ 7,095
	12	Paint @ exposed structural steel	32	EA	\$ 65.00	\$ 2,080
	13	Paint @ exposed mechanical installations	91,929	GSF	\$ 0.50 \$ 0.50	\$ 45,965
	14	Paint @ miscellaneous surfaces	91,929	GSF		\$ 45,965
				LS	\$ 10,000.00	\$ 10,000
	:		SUB-TOTAL		 + 	\$ 302,386
	TOTAL FOR	DIMISION & FINIBLES				# 302,300 ·
	TOTAL FOR	DIVISION 9 - FINISHES				\$ 1,751,697
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			· .		1. 1.	
	10	DIVISION 10 -	SPECIALTIES			
	10100	VISUAL DISPLAY BOARDS	QUANTITY	UNIT	UNIT PRICE	
	10115	Markerboards (Allowances)		Citi	UNI PRICE	AMOUNT
	11	Markerboards; 4' high	362	LF	\$ 60.00	\$ 21,739
	2	Chalkboards with painted Music Staff	24	SF		\$ 600
	10120					
					_L	·
	1 1	Tackboards (Allowance)				
	1 2	Teckboards	2,176	SF		\$ 43,520
	2	Tackboards (Allowance) Tackboards Tackstrip, 8" wide	2,176 362	SF LF	\$ 20.00 \$ 14.00	\$ 43,520 \$ 5,072
		Tackboards Tackstrip; 8" wide Display Boards (Allowances)		SF LF		
	2	Tackstrip; 8" wide	382	LF	\$ 14.00	\$ 5,072
	10140	Tackstrip; 8" wide Display Boards (Allowances) Displayboards	362 492	SF LF SF		
	10140 1	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards	362 492 8UB-TOTAL	LF 8F	\$ 14.00 \$ 20.00 \$ -	\$ 5,072 \$ 9,842 \$
·	10140 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES	362 492	LF	\$ 14.00 \$ 20.00	\$ 5,072
	10140 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments	382 492 SUB-TOTAL QUANTITY	UNIT	\$ 14.00 \$ 20.00 \$ -	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT
	10140 1 10150 10160	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments	382 492 SUB-TOTAL QUANTITY 5	SF UNIT	\$ 14.00 \$ 20.00 \$ - UNIT PRICE \$ 1,000.00	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000
	10140 1 10150 10160	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments	382 492 SUB-TOTAL QUANTITY	UNIT EA EA	\$ 14.00 \$ 20.00 \$ - UNIT PRICE \$ 1,000.00 \$ 1,100.00	\$ 5,072 \$ 9,842 \$ 90,773 AMOUNT \$ 5,000 \$ 3,300
	10140 1 10150 10160 1 2 3	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments Tollet compartments; ADA Urinal modesty screens	382 492 SUB-TOTAL QUANTITY 5	SF UNIT	\$ 14.00 \$ 20.00 \$ - UNIT PRICE \$ 1,000.00	\$ 5,072 \$ 9,842 \$ 90,773 AMOUNT \$ 5,000 \$ 3,300
	10140 1 10150 10160 1	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments Tollet compartments; ADA Urinal modasty screens Cubicles	362 492 SUB-TOTAL QUANTITY 5 3 1	UNIT EA EA	\$ 14.00 \$ 20.00 \$ - UNIT PRICE \$ 1,000.00 \$ 1,100.00	\$ 5,072 \$ 9,842 \$ 90,773 AMOUNT \$ 5,000 \$ 3,300
	10140 1 10150 10160 1 2 3	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments Tollet compartments; ADA Urinal modesty screens	382 492 SUB-TOTAL QUANTITY 5	UNIT EA EA	\$ 14.00 \$ 20.00 \$ UNIT PRICE \$ 1,000.00 \$ 1,100.00 \$ 250.00	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250
	10140 1 10150 10160 1 2 3	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments Tollet compartments; ADA Urinal modasty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite	362 492 8UB-TOTAL QUANTITY 5 3 1	SF UNIT EA EA EA	\$ 14.00 \$ 20.00 \$ - UNIT PRICE \$ 1,000.00 \$ 1,100.00	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250
	10140 1 10150 10160 1 2 3 10190	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite	362 492 SUB-TOTAL QUANTITY 5 3 1 19 19 SUB-TOTAL	UNIT EA EA EA LF	\$ 14.00 \$ 20.00 \$	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9975
	10140 1 10150 10160 1 2 3 10180 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite	362 492 8UB-TOTAL QUANTITY 5 3 1	SF UNIT EA EA EA	\$ 14.00 \$ 20.00 \$	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425
	10140 1 10150 10160 1 2 3 10190	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY	UNIT EA EA LF UNIT	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ UNIT PRICE	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,978 AMOUNT
	10140 1 10150 10160 1 2 3 10180 1	Tackboards Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LCUVERS AND VENTS Wall louvers (Allowance)	362 492 SUB-TOTAL QUANTITY 5 3 1 19 19 SUB-TOTAL	UNIT EA EA EA LF	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ UNIT PRICE	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,978 AMOUNT
	2 10140 1 10150 10160 1 2 3 10190 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LCUVERS AND VENTS Wall louvers (Allowance)	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY	UNIT EA EA LF UNIT	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ UNIT PRICE \$ 5,000.00	\$ 5,072 \$ 9,842 \$ - \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,978 AMOUNT
· .	2 10140 1 10150 10160 1 2 3 10190 1 10200 10210 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LOUVERS AND VENTS Wall louvers (Allowance) Wall louvers	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY	UNIT EA EA LF UNIT	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 75.00 \$ 5,000.00	\$ 5,072 \$ 9,842 \$ - \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,978 AMOUNT \$ 5,000 \$ 3,000
·	10140 1 10150 10160 1 1 2 3 3 10180 1 1 10210 1 10210 1 1 10260	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LCUVERS AND VENTS Wall louvers (Allowance) WALL AND CORNER GUARDS Wall and Corner Guards (Allowance)	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT LF UNIT LS	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ UNIT PRICE \$ 5,000.00	\$ 5,072 \$ 9,842 \$ - \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,975 AMOUNT
	2 10140 1 10150 10160 1 2 3 10190 1 10200 10210 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LOUVERS AND VENTS Wall louvers (Allowance) Wall louvers	362 492 SUB-TOTAL QUANTITY 5 3 1 19 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL	UNIT EA EA EA UNIT LF	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 0.000.00 \$ 5,000.00 \$ 5,000.00	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 250 \$ 1,425 \$ 9,975 AMOUNT \$ 5,000 \$ -5 AMOUNT
	10140 1 10150 10160 1 1 2 3 3 10180 1 1 10210 1 10210 1 1 10260	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LCUVERS AND VENTS Wall louvers (Allowance) WALL AND CORNER GUARDS Wall and Corner Guards (Allowance)	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY 1	UNIT EA EA EA UNIT LF UNIT LS	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,000.00 \$ 250.00 \$ 75.00 \$ 0.000.00 \$ 0.000.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00 \$ 1,000.00	\$ 5,072 \$ 9,842 \$
	10140 1 10150 10160 1 1 2 3 3 10180 1 1 10210 1 10210 1 1 10260	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LOUVERS AND VENTS Wall louvers (Allowance) Wall industrial (Allowance) Wall and Corner Guards (Allowance) Wall protection / handrails / comer guards	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT LS UNIT LS	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 75.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00	\$ 5,072 \$ 9,842 \$ - \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ - \$ 9,975 AMOUNT \$ 5,000 AMOUNT \$ 25,000
	2 10140 1 10150 10160 1 2 3 10190 1 10200 10210 1 10260 10260	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LOUVERS AND VENTS Wall louvers (Allowance) Wall and Corner Guards (Allowance) Wall protection / handrails / comer guards	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY 1	UNIT EA EA EA UNIT LF UNIT LS	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 0.000.00 \$ 5,000.00 \$ 5,000.00	\$ 5,072 \$ 9,842 \$
	2 10140 1 10150 10160 1 2 3 10190 1 10200 10210 1	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA Urinal modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LOUVERS AND VENTS Wall louvers (Allowance) Wall industrial (Allowance) Wall and Corner Guards (Allowance) Wall protection / handrails / comer guards	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT LS UNIT	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 75.00 \$ UNIT PRICE \$ 25,000.00 \$ 25,000.00	\$ 5,072 \$ 9,842 \$ \$ 80,773 AMOUNT \$ 5,000 \$ 250 \$ 1,425 \$ 9,978 AMOUNT \$ 5,000 \$ 3,000 AMOUNT \$ 25,000 AMOUNT
	2 10140 1 10150 10160 1 2 3 10180 1 10200 10210 1 1 10260 10260 1 1 10350 10360	Tackstrip; 8" wide Display Boards (Allowances) Displayboards COMPARTMENTS AND CUBICLES Tollet Compartments Tollet compartments; ADA United modesty screens Cubicles Cubicle curtain track and curtains @ Nurse Suite LCUVERS AND VENTS Wall louvers Wall louvers (Allowance) Wall and Corner Guards (Allowance) Wall protection / handralis / comer guards FLAGPOLES Flagpoles	362 492 SUB-TOTAL QUANTITY 5 3 1 19 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY 1 SUB-TOTAL QUANTITY	UNIT EA EA EA UNIT LS UNIT LS	\$ 14.00 \$ 20.00 \$ 1,000.00 \$ 1,100.00 \$ 250.00 \$ 75.00 \$ 75.00 \$ 5,000.00 \$ 5,000.00 \$ 5,000.00	\$ 5,072 \$ 9,842 \$ 80,773 AMOUNT \$ 5,000 \$ 3,300 \$ 250 \$ 1,425 \$ 9,975 AMOUNT \$ 5,000 \$ \$ 5,000 AMOUNT \$ 25,000 AMOUNT

SUB-TOTAL

WORLD OF INQUIRY SCHOOL # 58



PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011

10400	IDENTIFICATION DEVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10410	Directories	Little Politica		i di	
11	Directories	1	LS	\$ 5,000.00	\$ 5,0
··	And the second s	Residence of the second of the	Leaned re-		<u> </u>
10430	Exterior Signage (Allowance) Exterior signage.	\$300 00 PM 10% 130 \$10 PM 104 100	LS	\$ 20,000.00	\$ 20,0
1	Exterior algriage.		A CONTRACTOR	20,000.00	20,0
10440	Interior Signage (Allowancea)	<u></u>			
1	Interior signage	. 1	LS	\$ 50,000.00	\$ 50,0
2	Dedication plaque	14	LS	\$ 1,000.00	\$ 1,0
	The state of the s	SUB-TOTAL	CAR SHALL FOLLS	5	3.0
10600	LOCKERS	QUANTITY	UNIT	UNIT PRICE	\$ 76,0
10500	Lockers (Allowances)	WOOM THE	- Section		Property (Sec.
1	Lockers @ Corridors for students; metal; 12" x 15" x 72"; 4-tler.	800	EA	\$ 300.00	\$ 240.0
	PROPERTY OF THE PROPERTY OF TH	Section 1	Charles Control		4
		SUB-TOTAL	10 1 10 1 10 1 10 10 10 10 10 10 10 10 1	Community of the Commun	\$ 240,0
10520	FIRE PROTECTION SPECIALTIES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10525	Fire Protection Specialities (Allowances)	14	EA	# 15 3 500 00	4.6
1	Fire extingulations	1	EA.	\$ 300,00	\$ 4,2
t in the second section	Print Print Politics (1974) 1984 in 1981 (1982) <u>In Print Constitution of American State</u> (1984) in the Print Politics (1984) in Print Politics (1	SUB-TOTAL.	Top is a site of the second		\$ 4.2
10600	PARTITIONS.	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10850	Operable Partitions		<u> </u>	an water Albania	18 and 18 18 18 18 18 18 18 18 18 18 18 18 18
1.	Operable partition @ Gymnasium; 24' high; motorized	Sede dendrig zoon	NOT REQUIRED	\$	\$000,000,000
			LEW TOXYSTON	races of contract	(**
10670	STORAGE SHELVING	SUB-TOTAL QUANTITY	UNIT	I. UNIT PRICE	AMOUNT
10874	Storage Shelving (Allowances)	March September 1985	And Same	Some server (chi)	Anophy
1	Storage shelying; metal; 3' x 1' x 7' 3'.	85	EA	\$ 250.00	\$ 21,2
and the same of the same of	Storage shelving; metal; 3' x 1' 6" x 7' 3"	39	THE SEA	\$ 275.00	\$ 10,7
3	Storage shelving; metal; 3' x 2' x 7' 3",	22	EA	\$ 340.00	\$ 7.4
4	Storage shelving; metal; 3' x 2' x 7' 3"; including ladder	ुक्त के लेखा है। इस्तिक के बार्च के किया के किया के किया किया किया किया किया किया किया किया	EA	\$ 500.00	\$ 4,5
5	Storage shelving; metal; 3' x 2' 6" x 7' 3"	82	EA	\$ 400.00	\$ 32,8
6	Storage shelving; metal; 3' x 3' x 7' 3'	30	EA	\$.450,00	\$13,5
	Marine and the contract of the	SUB-TOTAL	(10)	1. 學為一個的一個的	\$ 90,2
10800	TOILET / BATH ACCESSORIES	EVEL COMPANY	L 'UNIT	UNIT PRICE	AMOUNT
10810	TOILET / BATH ACCESSORIES Toilet Accessories	Terme Sin		The standard of the standard o	fig
1	Mirrors; 18" x 36"	3.0.3	EA	\$ 120.00	\$ 3
<u>-</u>	Liquid soap dispensers	30 8 C	EA	\$ 100.00	
3	Paper towel dispensers	3.	EÂ	\$ 110.00	\$ 3
4	Tollet tissue dispensera	8	EA	\$ 80.00	\$ 8
5	Sanitary napkin dispensers	/ <u>37.3954500</u> 7	PA.	\$ 576.00	\$
6	Sanitary napkin disposal units	<u> 3 </u>	EA.	\$ 160,00	4
<u> </u>	Grab bar seta		EA .	\$ 175,00 \$	\$ 5
kayabaha mataga a	Remarkably to the first and the first of the control of the contro	SUB TOTAL	1 AA 15 (BATCHES 18)	: . ● 41(3)320 = 11, \$1.7(9).	53.2
and the second trans	Charles and the second	2004000000	A April 1997 A STREET	San de la despera de la Protesta de la	A
TAL FOR	DIVISION 10 - SPECIALTIES		a 11 mg. Tanàna mandra dia kaominina	gradient regional administration (1986)	\$ 538,4
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77	DIVISION 11	EQUIPMENT		et eamet geether	1,
TTT No carrier and a section of the	Barrier and the control of the contr	EQUIPMENT			T AUDINT
11010	MAINTENANCE EQUIPMENT	EQUIPMENT QUANTITY		UNITERICE	AMOUNT
11010 11010	MAINTENANCE EQUIPMENT Maintenance Equipment	QUANTITY	UNIT NOT REQUIRED	UNIT PRICE	\$ 400 300 200 200
11010 11010	MAINTENANCE EQUIPMENT	QUANTITY	UNIT NOT REQUIRED	UNIT PRICE	<b>\$</b>
11010 11010	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, (co) grinders, etc.	SUB-YOTAL	UNIT NOT REQUIRED	UNIT PRICE	<b>S</b>
11010 11010 1	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc LIBRARY EQUIPMENT	SUB-YOTAL	UNIT NOT REQUIRED	UNIT PRICE	<b>S</b>
11010 11010 11010 11050 11050	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc  LIBRARY EQUIPMENT LIBRARY EQUIPMENT	QUANTITY SUB-TOTAL QUANTITY	NOT REQUIRED	UNIT PRICE	\$ \$ \$ AMOUNT
11010 11010 11010 11050 11050	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc  LIBRARY EQUIPMENT Library Equipment Library book security gate	SUB-YOTAL	NOT REQUIRED	S SOUNT PRICE	s s AMOUNT
11010 11010 11010 11050 11050	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc  LIBRARY EQUIPMENT LIBRARY EQUIPMENT	QUANTITY SUB-TOTAL QUANTITY	UNIT NOT REQUIRED	UNIT PRICE S 6,000.00	\$ \$ AMOUNT.
11010 11010 1 1 11050 11050	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  Lightary Equipment Library Equipment Library book security gate	SUB-TOTAL QUANTITY SUB-TOTAL	UNIT NOT REQUIRED UNIT	UNIT PRICE UNIT PRICE \$ 5,000.00	\$ AMOUNT\$ 5.0
11010 11010 11050 11050 11050 1	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  Lighter Equipment Library Equipment Library book security gate  AUDIO-VISUAL EQUIPMENT	QUANTITY SUB-TOTAL QUANTITY	NOT REQUIRED	UNIT PRICE S 6,000.00	\$ AMOUNT\$ 5.0
11010 11010 11010 11050 11050 1 11130	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  LIBRARY EQUIPMENT Library book security gate  AUDIO-VISUAL EQUIPMENT  Audio-Visual Equipment ( Allowances ) "Smartbook'ds"	SUB-TOTAL QUANTITY SUB-TOTAL	UNIT  NOT REQUIRED  UNIT  EA  UNIT  EA	UNIT PRICE  \$ 6,000.00  \$ UNIT PRICE  UNIT PRICE	\$ AMOUNT. \$ 5,0 \$ AMOUNT.
11010 11010 11010 1 1050 11050 1 11130	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  LIBRARY EQUIPMENT Library book security gate  AUDIO-VISUAL EQUIPMENT  Audio-Visual Equipment ( Allowances ) "Smartbook'ds"	SUB-TOTAL QUANTITY SUB-TOTAL QUANTITY	UNIT NOT REQUIRED UNIT EA	UNIT PRICE  \$ 6,000.00  \$ 100.00  \$ 5,000.00  \$ 5,000.00	\$ AMOUNT. \$ 5.0 \$ AMOUNT. \$ 160,0 \$ 160,0
11010 11010 11010 11050 11050 1 11130 11130	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  LIBRARY EQUIPMENT Library book security gate  AUDIO-VISUAL EQUIPMENT  Audio-Visual Equipment ( Allowances ) "Smartbook'ds"	SUB-TOTAL QUANTITY SUB-TOTAL QUANTITY 32	UNIT  NOT REQUIRED  UNIT  EA  UNIT  EA	UNIT PRICE  \$ 5,000.00  \$ 5,000.00  \$ 750.00	\$ AMOUNT  \$ 5,  AMOUNT  \$ 160,  \$ 160,  \$ 24,4
11010 11010 1 11050 11050 1 11130 11130 1 2	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc  LiBRARY EQUIPMENT Library book security gate  AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment ( Allowances )	SUB-TOTAL QUANTITY  SUB-TOTAL QUANTITY  32 32 32 32	UNIT  NOT REQUIRED  UNIT  EA  ONIT  EA  EA	UNIT PRICE  \$ 6,000.00  \$ 100.00  \$ 5,000.00  \$ 5,000.00	\$ 5,0 \$ 5,0 \$ 5,0 \$ 5,0 \$ 160,0 \$ 160,0 \$ 24,0
11010 11010 11050 11050 1 11130 11130 1 2	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  Lijskary Equipment Library Equipment Library book security gate  AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment ( Allowances ) "Smattboards" Projection screene Projector mounts	SUB-TOTAL QUANTITY  SUB-TOTAL QUANTITY  32 32 32 32 32 8UB-TOTAL	UNIT  NOT REQUIRED  UNIT  EA  ONIT  EA  EA  EA	\$ 5,000.00 \$ 5,000.00 \$ 5,000.00 \$ 750.00	\$ 5,0 \$ 5,0 \$ 5,0 \$ 160,0 \$ 160,0 \$ 24,1 \$ 344,0
11010 11010 11050 11050 1 11130 11130 11 2 3	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc  Library Equipment Library Equipment Library book security gate  AUDIO-VISUAL EQUIPMENT Audio-Visual Equipment ( Allowances ) "Smattboards" Projection screene Projector mounts  SOLID WASTE HANDLING EQUIPMENT	SUB-TOTAL QUANTITY  SUB-TOTAL QUANTITY  32 32 32 32	UNIT  NOT REQUIRED  UNIT  EA  ONIT  EA  EA  EA	UNIT PRICE  \$ 5,000.00 \$ 5,000.00 \$ 750.00 \$ UNIT PRICE	\$ 5,0 \$ 5,0 \$ 5,0 \$ 160,0 \$ 160,0 \$ 24,1 \$ 344,0
11010 11010 11050 11050 1 1050 1 1130 11130 1 1 2 3	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  LIBRARY EQUIPMENT LIBRARY EQUIPMENT LIBRARY EQUIPMENT LIBRARY EQUIPMENT AUDIO-VISUAL EQUIPMENT Smartboalrds Projection mounts Projection mounts SOLID WASTE HANDLING EQUIPMENT Solid Waste Hendling Equipment	SUB-TOTAL QUANTITY  SUB-TOTAL QUANTITY  32 32 32 32 SUB-TOTAL QUANTITY	UNIT  NOT REQUIRED  UNIT  EA  EA  EA  UNIT	UNIT PRICE  S 6,000.00  S 5,000.00  S 750.00  UNIT PRICE  UNIT PRICE  UNIT PRICE  UNIT PRICE	\$ 5,0 \$ 5,0 \$ 5,0 \$ 160,0 \$ 160,0 \$ 24,0 \$ 3,44,0 \$ 3,44,0
11010 11010 11010 11050 11050 11050 11130 11130 11130 11170 11170	MAINTENANCE EQUIPMENT  Vises, tool grinders, etc  Ligrary Equipment  Library Equipment  Library Equipment  Library Equipment  Audio-Visual Equipment ( Allowances )  "Smartbodrds"  Projection screene  Projector mounts  Solid Waste Handling Equipment  Compactors @ Custodial Suite; portable	SUB-TOTAL GUANTITY  SUB-TOTAL GUANTITY  32 32 32 32 32 32 31 SUB-TOTAL GUANTITY	UNIT  NOT REQUIRED  UNIT  EA  EA  EA  UNIT  EA  EA  EA  EA  EA	UNIT PRICE  S 5,000.00  S 5,000.00  S 750.00  UNIT PRICE  UNIT PRICE  UNIT PRICE  1,500.00	\$ AMOUNT. \$ 5,0 \$ AMOUNT. \$ 160,0 \$ 160,0 \$ 24,0 \$ AMOUNT.
11010 11010 11050 11050 1 1050 1 1130 11130 1 1 2 3	MAINTENANCE EQUIPMENT Maintenance Equipment Vises, tool grinders, etc.  LIBRARY EQUIPMENT LIBRARY EQUIPMENT LIBRARY EQUIPMENT LIBRARY EQUIPMENT AUDIO-VISUAL EQUIPMENT Smartboalrds Projection mounts Projection mounts SOLID WASTE HANDLING EQUIPMENT Solid Waste Hendling Equipment	SUB-TOTAL QUANTITY  SUB-TOTAL QUANTITY  32 32 32 32 SUB-TOTAL QUANTITY	UNIT  NOT REQUIRED  UNIT  EA  EA  EA  UNIT	UNIT PRICE  S 6,000.00  S 5,000.00  S 750.00  UNIT PRICE  UNIT PRICE  UNIT PRICE  UNIT PRICE	\$ AMOUNT. \$ 5,0 \$ 4MOUNT \$ 160,0 \$ 160,0 \$ 24,0 \$ 344,0 AMOUNT

9/12/2011

#### WORLD OF INQUIRY SCHOOL # 56



#### PROJECT DETAILED ESTIMATE - RENOVATIONS

11400	FOOD SERVICE EQUIPMENT	QUANTITY	UNIT	UNIT PRICE	AMOUNT
11400	Food Service Equipment		· · · · · · · · · · · · · · · · · · ·		
1	Food service equipment	1	LS	\$ 400,800.00 \$	\$ 400,800
	Birth and the second se			\$	\$
11480	ATHLETIC, RECREATIONAL AND THERAPEUTIC EQUIPMENT	SUB-TOTAL			\$ 400,800
11480	Athletic, Recreational and Therapautic Equipment ( Allowances )	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1 1	Kilns and kiln certs @ Art Rooms				
2	Kiln exhaust hoods @ Art Rooms	1	EA EA	\$ 2,500.00	\$ 2,500
	Section 2		EA	\$ 5,000.00 \$	\$ 5,000
		SUB-TOTAL	L	14	\$ 7,500
11600	LABORATORY EQUIPMENT	QUANTITY	UNIT	UNIT PRICE	AMOUNT
11620	Laboratory Equipment ( Allowances )	44 A.	. 7.11	THE TRIBE	PHINARIA I
1	Fume hoods @ Science Rooms	3	EA	\$ 12,000.00	\$ 36,000
3	Fume hoods @ Science Rooms; portable	9	EA	\$ 10,000.00	\$ 90,000
4	Mobile plant study centers @ Science Rooms  Mobile laboratory carts @ Science Rooms	6	EA	\$ 6,500.00	\$ 39,000
F 5	Drying ovens @ Science Rooms; 25" x 23" x 25"	3 -	EA	\$ 2,000.00	
6	Sterilizers @ Science Rooms	3	EA	\$ 3,000.00	\$ 9,000
7	Explosion proof refridgerators @ Science Rooms; 32" x 34" x 70"	3	EA EA	\$ 1,700.00	\$ 5,100
8	Icemakers @ Science Rooms	13	EA EA	\$ 4,600.00 \$ 1,850.00	\$ 13,500
	The second secon		<u> </u>	\$ 1,850.00	\$ 6,550
		SUB-TOTAL			\$ 204,150
TOTAL FOR	DIVISION 44 COMPRESE		· · · · · · · · · · · · · · · · · · ·		¥ 207,130
TOTAL FOR	DIVISION 11 - EQUIPMENT	10.1			\$ 982,950
and a distribution of	A CONTRACTOR OF THE PROPERTY O				
12	DIVISION 12-	FURNISHINGS			
12300	MANUFACTURED CASEWORK	QUANTITY	UNIT	UNIT PRICE	AUATRIA
12320	Wood Casework ( Allowance )		UNIT	UNIT PRICE	AMOUNT
1	Wood casework generally	91,929	GSF	\$ 5.00	\$ 459,645
					409,040
	Science Room Casework ( Allowances )			<del> </del>	<del></del>
	Science Room Casework	91,929	GSF	\$ 1.00	\$ 91,929
				\$	\$ -
		SUB-TOTAL			\$ 561,574
12400	FURNISHINGS AND ACCESSORIES	OHADITARI	· Detroit		
12400 12480	FURNISHINGS AND ACCESSORIES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	FURNISHINGS AND ACCESSORIES  Ruge and Mate  Entrance foot grilles				AMOUNT
12480 1	Rugs and Mats Entrance foot grilles	QUANTITY 103	UNIT	UNIT PRICE \$ 70.00	
12480 1 12490	Rugs and Mats Entrance foot grilles Window Treatments ( Allowance )				AMOUNT
12480 1	Rugs and Mats Entrance foot grilles				* 7,210
12480 1 12490	Rugs and Mats Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds	103	SF	\$ 70.00	AMOUNT
12480 1 1 12490 1	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds	103	SF	\$ 70.00	* 7,210
12480 1 1 12490 1	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds	103	SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,956
12480 1 1 12490 1	Rugs and Mats Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds	103	SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 58,745 \$
12486 1 12490 1 TOTAL FOR	Ruge and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS	103 11,349 SUB-TOTAL	SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,956
12490 1 12490 1 TOTAL FOR	Ruge and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON	103 11,349 SUB-TOTAL	SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,956
12486 1 12490 1 TOTAL FOR	Ruge and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON	11,349 SUB-TOTAL VEYING SYSTE	SF SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,955 \$ 615,529
12486 1 12490 1 TOTAL FOR 14 14200 14240	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators	103 11,349 SUB-TOTAL	SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,956
12486 1 12490 1 TOTAL FOR	Ruge and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON	11,349 SUB-TOTAL VEYING SYSTE	SF SF	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 56,745 \$ 63,956 \$ 615,529
12486 1 12490 1 TOTAL FOR 14 14200 14240	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators	11,349 SUB-TOTAL VEYING SYSTE QUANTITY	SF SF Unit	\$ 70.00 \$ 5.00 \$	\$ 7,210 \$ 59,745 \$ 63,956 \$ 615,529 AMOUNT \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors	11,349 SUB-TOTAL VEYING SYSTE	SF SF Unit	\$ 70.00 \$ 5.00 \$ UNIT PRICE \$ 120,000.00 \$ -	\$ 7,210 \$ 56,745 \$ 63,956 \$ 615,529
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors	11,349 SUB-TOTAL VEYING SYSTE QUANTITY	SF SF Unit	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,956  \$ 615,529  ### AMOUNT  \$ 120,000  \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators	11,349 SUB-TOTAL VEYING SYSTE QUANTITY	SF SF Unit	\$ 70.00 \$ 5.00 \$ -	\$ 7,210 \$ 59,745 \$ 63,956 \$ 615,529 AMOUNT \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240, 1	Ruge and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors	11,349 SUB-TOTAL VEYING SYSTE QUANTITY 1 SUB-TOTAL	SF SF Unit	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,956  \$ 615,529  ### AMOUNT  \$ 120,000  \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors	11,349 SUB-TOTAL VEYING SYSTE QUANTITY 1 SUB-TOTAL	SF SF Unit	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240, 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,956  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL NICAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 1 TOTAL FOR	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIRE PROTECTION INSTALLATIONS	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000
12486 1 12490 1 TOTAL FOR 14 14200 14240 1	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL NICAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$ 120,000.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 1 TOTAL FOR	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Pipe	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL NICAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$ 120,000.00 \$ -	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 1 TOTAL FOR	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Demolition :-	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL NICAL	SF SF UNIT	\$ 70.00 \$ 5.00 \$	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,956  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  ## AMOUNT
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 TOTAL FOR 15 15300	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Demolition :  Double Check Detector Assembly Demolition	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL RE PROTECTION QUANTITY	SF SF UNIT EA UNIT	\$ 70.00 \$ 5.00 \$ 120,000.00 \$ 120,000.00 \$ 495.00	\$ 7,210 \$ 7,210 \$ 59,745 \$ 63,956 \$ 615,529  AMOUNT \$ 120,000 \$ 120,000 \$ 495
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 1 TOTAL FOR	Rugs and Mats  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Demolition :-  Double Check Detector Assembly Demolition  Fire Department Connection Demolition  Fire Department Connection Demolition	11,349 SUB-TOTAL VEYING SYSTE QUANTITY  1 SUB-TOTAL  RE PROTECTION QUANTITY  1 1	SF SF SF UNIT EA EA EA	\$ 70.00 \$ 5.00 \$ 120,000.00 \$ 120,000.00 \$ 182.50	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000  \$ 120,000
12480 1 12490 1 1 TOTAL FOR 14 14200 14240 1 1 TOTAL FOR 15	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Pipe  Fire Protection Demolition  Fire Department Connection Demolition  Water Motor Gong Demolition  Medium Bore Pipe Demolition  Medium Bore Pipe Demolition	11,349 SUB-TOTAL  VEYING SYSTE QUANTITY  1 SUB-TOTAL  RE PROTECTION QUANTITY  1 1 1 1	SF SF SF UNIT EA EA EA EA	\$ 70.00 \$ 5.00 \$ -0 \$ 120,000.00 \$ -1 \$ 1495.00 \$ 182.50 \$ 135.00	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000  \$ 183,555
12480 1 12490 1 1 1 TOTAL FOR 14240 1 1 TOTAL FOR 15300 15300	Ruge and Mate  Entrance fobt grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIRE PROTECTION INSTALLATIONS  Fire Protection Demolition: Double Check Detector Assembly Demolition Fire Department Connection Demolition Water Motor Gong Demolition Water Motor Gong Demolition Medium Bore Pipe Demolition Small Bore Pipe Demolition Small Bore Pipe Demolition	11,349 SUB-TOTAL  VEYING SYSTE QUANTITY  1 SUB-TOTAL  RE PROTECTION QUANTITY  1 1 1 1 634	SF SF SF UNIT EA EA EA EA LF	\$ 70.00 \$ 5.00 \$ 120,000.00 \$ 120,000.00 \$ 182.50 \$ 135.00 \$ 12.45	\$ 7,210  \$ 7,210  \$ 56,745  \$ 63,956  \$ 615,529  AMOUNT  \$ 120,000  \$ 120,000  \$ 120,000  \$ 130,000
12480 1 12490 1 1 TOTAL FOR 14240 1 1 TOTAL FOR 15 15300 15300	Rugs and Mats  Entrance foot grilles  Window Treatments ( Allowance )  Window treatments; blinds  DIVISION 12 - FURNISHINGS  DIVISION 14 - CON  ELEVATORS  Hydraulic Elevators  Elevators; passenger; 3 stops, 3 floors  DIVISION 14 - CONVEYING SYSTEMS  MECHA  DIVISION 15 - FIF  FIRE PROTECTION INSTALLATIONS  Fire Protection Pipe  Fire Protection Demolition  Fire Department Connection Demolition  Water Motor Gong Demolition  Medium Bore Pipe Demolition  Medium Bore Pipe Demolition	11,349 SUB-TOTAL  VEYING SYSTE QUANTITY  1 SUB-TOTAL  RE PROTECTION QUANTITY  1 1 1 1	SF SF SF UNIT EA EA EA EA	\$ 70.00 \$ 5.00 \$ -0 \$ 120,000.00 \$ -1 \$ 1495.00 \$ 182.50 \$ 135.00	## AMOUNT  \$ 7,210  \$ 56,745  \$ 63,955  \$ 615,529  ## AMOUNT  \$ 120,000  \$ 120,000  ## AMOUNT  ## A

#### WORLD OF INQUIRY SCHOOL # 58

### Draft

#### PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011

1 (1 A)		The Control of the State of the	T 10	komitania-kommenterakon	MATERIAL PROPERTY AND ADDRESS OF THE PARTY O
	Service From Sité :- 6°, Ductilla iron Pipè		A STATE OF THE STA		
	6°/Ducille fron Mipe	18	LF"	\$ 33.78	\$ \$
2	Mechanical Joint Fittings	1	EA	\$ 419.85	\$ \$
3	Exterior Wall Sleeyes	1	EA	\$ 327.50	\$
4	Thrust Blocks	1	EA [®]	\$ 670.00	\$
5	Excavation, Sedding, and Backfill	18	LF	\$ 10.00	\$
6	Gaskete, Lubricante, Etc.	<u>1</u>	LS °	\$ 42.00	\$.
	Britis will dispert to the		1/4	Property of the second	(EC)
	Bulk Mains and Risers 4	. And the	La La State Contraction	8. 38.39	Alex March 1 and 1 and 1
1	6" Blk Sti Pipe Sch 40 Grooved	525,	LE.	\$ 30.41	\$ 18
2	4" Blk Sti Pipe Sch 40 Grooved	84	SECTION OF THE PROPERTY OF	\$ 19.23	\$
3	2 1/2" Blk Stt Pine Sch 40 Grooved	pero sa <b>21</b> as iture	www. LFs	\$ 13.71	\$
4	2* Blk Sti Plps Sch 40.78C Grooved Flüfigs	84	LEAST LEAVE	\$ 11.35	
Б	Grooved Fittings	79 1	EA.	\$ 388.26	\$ 29
6	125# Caet Iron Fittinga	11/2/2	EA	\$ 53.90	
- <del></del>	Hangara	89"	EA	\$ 42.78	\$ 3
8	125# Cast (ron Gate Valves	10	EA	\$ 914.73	\$ {
9	125# Cast fron Check Valves	4	ĒĀ	\$ 914.73	
10	125# Cast Iron Afarm Check Valves	P. Frank <b>1</b> 5 v 200	EA	\$ 2.058.34	
11	125# Cast Iron Dry Valves W/ Compressor, Air Maintenance Device			the second of the second	\$
12	Double Check Datector Assembles	1000 A 1000 A	EA	\$ 2,134.61	\$ 2
			EA	\$ 3,413.48	\$ 3
13	Ficon Control Valve Assemblies	3	EA	\$ 2,491.22	\$
14	Fire Hose Valves	8	EA	\$ 221.93	\$ 1
15	Diesel Fire Pump, (15 HP w/ \Tank, Exhaust	1. W. P. 18 (17)	EA	\$ 80,022.82	\$ 80
16	Fire Pump Test Header	\$15 <b>2712</b> (\$5.55	EA .	\$ 4,157.70	\$ 4
17	Fire Department Connection w/ Ball Drip	2	EA	\$ 679.10	\$
18	Roof Manifold	o. ≥ 25€	EA	\$ 3,430.27	\$ 3
19	Tamper, Switches	15	EA "	\$ 202.97	\$
20	Flow Switches and the second s	6	EA	\$ 246.32	\$
21	Floor Steeves	15	EA	\$ 56,59	\$
22	Lubricants, Etc.	1	L8	\$ 3,100.00	\$
	MarijavimOržeji (Alkeres V	A	en out to the	06011/5A(A)A(A)	*** * * * * * * * * * * * * * * * * *
· · · · · · · · · · · · · · · · · · ·	Sprinkler Heads and Branch Pipe :-		214	1975 800 803 400	
1	165 Degree Sprinkler Heads w/ Branch Piping	1,171	EA	\$ 622.68	\$ 612
2	165 Degree Sprinkler Heads W/ Galvanized Branch Piping	2	EA . "	\$ 582.68	Š
·····	Professional State of the State	37.10.40	The second second	A-4777548595	
	Miscellaneous items :-	2.7		C. 21 of Library 1 (1973)	19
1	Válve Tags, Ripe Identification	1	LS	\$ 4,909.04	<b>S</b> 4
2	Testing and inspections	35. 7 5. 47	LS	\$ 4,432.05	
3	Rigging, Holeting, and Scaffolding	7-31 <del>- 1</del> -2-7-1 7-31 - 1-7 - 1	LS	\$ 7,522.46	
4.	The state of the s	<u> (20) (30) (4)</u> 円 (30) (31) ( <b>4</b> ) (30) (30)	LS		
5	Drain, Fill and Venting. Selsmic Restraints, and Certification.	* * * * * * * * * * * * * * * * * * *	LS	\$ 2,954.70	
6	Coordination Drawings, Submittals, As Builts, O&M's	and the second s		\$ 9,104.38	
. 0	COOKGINATION DRAWINDS SUDMIRIAIS, AS BUILTS, CAM'S		LS	\$'.' 9,297.36	
<u></u>		HILL CONTRACT		- FERT SERVER	<u> </u>
· · · · · · · · · · · · · · · · · · ·	DEOUCT	<u> جا ما جي پاي ۽ تو محمد محمد محمد محمد محمد محمد محمد محم</u>		1997年1月4日的新疆市	17 1 1 1 1
	ALLOCATION TO NEW "ADDITION"	1.0	1.8	\$ 224,291.40	\$ (224
				L8 3 3 3 5 5 7 W C	

TOTAL FOR DIVISION 15 - FIRE PROTECTION

634,899

15	MECHA	NICAL			
	DIVISION 15 -	PLUMBING			
15050	BASIC MATERIALS AND METHODS	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15095	Selective Plumbing Demolition	9225 WY 92		(1) (基础的性别的特	Maria Panting
1	Water Closet Demolition w/ Local Fining	20	EA	\$ 100.00	\$ 2,000
2	Sink Demolition w/ Local Piping	9	EA	\$ 90.50	\$ 815
3	Lavatory Demoliiton w/ Local Piping	15	EA	\$ 90.50	\$ 1,358
4	Urinal Demolition w/ Local Ploing	3	EA	\$ 95.26	\$ 286
5.	Washing Machine Box Demolition W Local Piping	. 5. 分 <b>性</b> 等 2	EA	\$ 57.50	\$ 58
- 6	Wesh Fountain Demolition w/ Local Piping	Linkij <b>t</b> gar,	EA	\$ 180.00	\$ 160
7	Drinking Fountain Demolition w/ Local Piping	4	ÉA	\$ 113.00	\$ 452
8	Janitors Sink Demolition	. 10	EA	\$ 115,00	\$ 1,150
ं <b>9</b>	Emergency Shower Demotition	1,	EA	\$ 96.00	\$ 96
10	200 Gallon Hot Water Tank Demoliton		EA	\$ 572.50	\$ 573
11	1,000 Gallon Hot Water Tank Demolition	1:	EA	\$ 1,045.00	\$ 1,045
12	Water Meter Demolition	1	EA:	\$ 310.00	\$ 310
13	Backflow Preventor Demolition		EA	\$ 310,00	\$ 310
14	House Vacuum Demolition	2854 <b>4</b> 22.33	EA	\$ 775.00	\$ 775
. 15	Domestic Water Heater Demolition	2	EA	\$ 700.00	\$ 1,400
16	Domestic Water Booster Pump Demolition	1	EA	\$ 1,225.00	\$ 1,225
17	Decorative Fountain Demolition	1	EA	\$ 1,150.00	\$ 1,150
18	Sump Pump Demolition	.1	EA	\$ 140,00	\$ 140
19	Vacuum Outlet Demolition	128	ÉÄ	\$ 62.50	\$ 8,000
20	Gas Pipe in Boller Room Demolition	1	LS	\$ 2,050.00	\$ 2,050
21	Wäter Pipe in Boller Room Demolition	1.	L8	\$ 2,350.00	\$ 2,350
22	Medium Bore Pipe Demolition	280	LP	\$ 12.45	

#### WORLD OF INQUIRY SCHOOL # 58



#### PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011

					9/12/2011
3			<u></u>		
23	Small Bore Pipe Demolition	1248	LF	\$ 6.25	\$ 7,800
24	Large Bore Sore Pipe Demolition Underslab	932	LF	\$ 20.30	\$ 18,920
25	Concrete Cutting	798	LF	\$ 35.60:	\$ 28,409
26	Excavation	932	LF .	\$ 6.20	\$ 5,778
27	Sanitary Soil Stack Demoiltion	23	EA	\$ 1,375.00	\$ 31,625
	Sanitary Vent Stack Demolition	23	EA	\$ 918.00	\$ 21,114
28	Rain Leader Demolition	27	EA	\$ 1,375,00	\$ 37,125
29	Roof Drain Demolition	38	EA	\$ 246.00	\$ 9,348
30	Root Drain Demolition				
	DEDUCT	-1	LS		\$
1	ALLOCATION TO NEW "ADDITION"		LO	\ <u> </u>	\$
		SUB-TOTAL		Ι.Ψ	\$ 189,308
		QUANTITY	UNIT	UNIT PRICE	AMOUNT
15100	BUILDING SERVICES PIPE	COANTILL	UNIT	ONITRAGE	- AUGO OIGI
15140	Domestic Water Pipe		LF	\$ 61.11	\$ 25,666
1	Domestic Cold Water Main Piping w/ Ftgs, Hgrs (L Copper)	420			\$ 20,339
2	Domestic Hot Water Main Piping w/ Ftgs, Hgrs	420	LF	\$ 48,43	
3	140 Degree Domestic Hot Water Main to Kitchen w/ Ftgs, Hgrs	360	LF	\$ 26.77	\$ 9,637
4	Domestic Hot Water Recirculation Piping w/ Ftgs, Hgrs	780	LF	\$ 17.30	\$ 13,494
5	Interior Hosebibbs w/ Piping	10	ĒΑ	\$ 722.50	\$ 7,225
Б.	Water Servce from Site w/ Fittings, Etc. (Ductite Iron)	1	LS	\$ 1,989.00	\$ 1,989
7	Water Service Valves, Specialties		LS	\$ 10,011.75	\$ 10,012
8	Domestic Hot Water Mixing Stations w/ Valving, Specilaties,Local Piping	2	EA	\$ 9,107.25	\$ 18,215
9	HVAC Makeup Water Valving, Specialties	2	EA	\$ 17.30	\$ 35
10	Valving, Specialities at Booster Pump	1	EA	\$ 2,445.00	\$ 2,445
	Valving, Specialties at Water Heater	1	EA	\$ 1,788.50	\$ 1,787
11	Valving, Specialities at vivini neater	1,980	LF	\$ 8.73	\$ 17,276
12	1" Thk Fiberglass insulation	1	Ls	\$ 2,600.00	\$ 2,600
13	Solder, Flux, Gas, Etc.				
				_ <del></del>	···
15150	Sanitary Waste and Vent Pipe				eggerga to a year
• V vqt7 - 1 10	Under Ground :-	18	75.93		\$ 377
1	6" Sv Wt Cast Iron Pipe	10	<u>LF</u>	\$ 37.74	T 10 10 10 10 10 10 10 10 10 10 10 10 10
2	5" Sv Wt Cast Iron Pipe	240	LF	\$ 37.35	\$ 8,964
3	4" Sy Wt Cast Iron Pipe	580	LF	\$ 28.02	\$ 18,252
4	Sy Wt Cast Iron Fittings	104	EA	\$ 77,22	\$ 8,011
5	Cleanout Deckplates	6	ËA	\$ 260.96	\$ 1,566
В	Trench Backfill	830	LF	\$ 7.00	\$ 5,810
<del></del>	Rough Concrete Patching	710	LF	\$ 69.63	\$ 49,437
8	Gaskets, Lubricants, Etc.	1	LS	\$ 825.00	\$ 825
	Ottoria, Louisvalle, Lie.				
	Above Ground :-	t			
	Sanitary Riser Piping w/ Ftgs, Hgrs (NH Cast Iron)	460	LF	\$ 35.35	\$ 16,261
11	Sanitary Riser Ploing W/ Figs, righs (NIT Cast Iron)	460	1 - <del>L</del> F	\$ 27.97	\$ 12,864
2	Sanitary Vent Riser w/ Ftgs, Hgrs		LF		
3	Pump Discharge Piping from Sump Pump w/ Ftgs, Hgrs (Galvanized Sti Sch 40	2	ĒĀ	\$ 34.49 \$ 378.26	
4	Velves, Specialties at Sump Pump		LS	\$ 685.00	
5	No Hub Couplings, Etc.	1	L9	\$ 000.00	1.4
			ļ		
15160	Storm Drainage Pipe		<del> </del>		
	Under Ground :-		·		9 7 7 7 7
1	10" Sv Wt Cast Iron Pipe	40	<u>LF</u>	\$ 88.88	\$ 3,555
2	8" Sv. Wt Cast Iron Pipe	140	<u>LF</u>	\$ 53.66	
3	6" Sv Wt Cast Iron Pipe	290	LF.	\$ 37.74	
4	5" Sv Wt Cast Iron Pipe	240	LF.	\$ 37.35	
5	4" Sv Wt Cast Iron Pipe	140	LF	\$ 28.02	
6	Sv Wt Cast Iron Fittings	106	EA	\$ 121.00	
<u> </u>	Cleanout Deckplates	11	EA	\$ 260.98	
<u>r</u>	Trench Backfill	850	LF	\$ 7.00	\$ 5,950
9	Rough Concrete Patching	796	LF LF	\$ 69.63	
		1	เร	\$ 1,825.00	
10	Gaskets, Lubricants Etc.	†·····		1-2	<u> </u>
			·		
	Above Ground :-	1 200	LF	\$ 35.35	\$ 45,955
11	Rain Leader Piping w/ Ftgs, Hgrs (NH Cast Iron)	1,300		\$ 700.80	
2	Roof Drains	38	EA		
3	Fiberglass Pipe Insulation	380	LE.	\$ 18.12	
4	Roof Drain Sump Insulation	38	EA	\$ 228.10	
5	No Hub Couplings, Etc.	1	LS	\$ 1,760.00	\$ 1,760
	4	L	. <b>L</b>		
	DEDUCT		L		<u> </u>
<del></del>	ALLOCATION TO NEW "ADDITION"	-1	LS	\$ 120,272.20	\$ (120,272
<u> </u>	I Make way ( Proping ) we have a few proping of		· [	\$ -	\$ -
		SUB-TOTAL			\$ 338,801

#### WORLD OF INQUIRY SCHOOL # 58



#### PROJECT DETAILED ESTIMATE - RENOVATIONS

	And the second s	Land State of the	ورياحوا بالتناب بالمجري	Spage 1 - James 1 and 19 Steeling 19 1	9/12/201
15200	PROCESS PIPE	QUANTITY	UNIT	UNITPRICE	# AMOUNT
16210	Process Air and Gas Pipe	baran need		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Same of the same
					·
	Natural Gas Pipe :-	ىنىمى <u>پ چىنىنچىچى نىم</u> ەت.	* . <del>41</del>	<u>ئى خويد</u> ىنى ئىلىدى يىسىيىدى دارى	ئۇمىرىدە مىيى
1	Natural Gas Main Piping in Boller Room w/ Hgrs, Ftgs (CS Sch 40)	84	LF	\$ 77.31	\$ 6,49
2 3	Natural Gas Drop Piping to Bollers, Water Heater Natural Gas Laboratory Outlets w/ Piping, Figs, Hgrs	42 6	EA	\$ 57.76 \$ 1,150.00	\$ 2,42 \$ 6,90
4	Valving, Specifiaties at Service		EA EA	\$ 1,340.50	\$ 6,90 \$ 1,34
5	Valving, Specialties at Bollers	4 7 7 9	ĒĀ	\$ 444.00	\$ 1,77
B	Valving, Specialties at Water Heater	1 1	EA	\$ 444.00	\$ 44
7	Master Gas Control Valves w/ Box, Plping	6	EA	\$ 1,435.00	\$ 8.61
8	Rod, Gas, Lubricants	. <b>(1</b> 55 a) -	LS	\$ 395.00	\$ 39
·		Mark and the	20 CA 10 (25)		
·	Laboratory Air Pipe :-		·	January Company (197	<u> </u>
2	Laboratory Air Outlets w/ Piping, Hgrs, Ftgs (L Copper Cleaned)	47	EA LS	\$ 953.00	\$ 44,79
<u>·4</u>	Sliver Braze, Gas, Nitrogen, Etc.	1	LS	\$ 986.00	·\$? 98
15250	Acid Waste and Vent Pipe				)
1	Acid waste and vent pipe system	124,435	GSF	\$ 0.50	\$ 62,21
		3	<del>; </del>		
	DEDUCT				1 i)
1	ALLOCATION TO NEW "ADDITION"	-1	LS	\$ 48,759.00	\$ (48,75
<u></u>	( <b>以</b> ) (1995年) [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]			<b>\$</b> ************************************	\$
12/20		SUB-TOTAL QUANTITY			\$ 87,62
15400	PLUMBING FIXTURES AND EQUIPMENT  Plumbing Fixtures and Equipment	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15410 1	Wall Mounted Water Closet W Carrier, Roughing	,27	EA		\$ 43,07
2	Wall Hung Urinals w/ Carrier, Roughing	3	EA EA	\$ 1,595.50 \$ 1,586.75	\$ 43,07
	Undermount Lavatories w/ Metering Faucets, Roughing	17	EA EA	\$ 1,075.25	\$ 18,27
4	2 Bay Kitchen Sinks w/ Garbage Disposer, Roughing	6	EA	\$ 1,284,62	\$ 7,70
5 - , - 2 - ,	Blievel Electric Water Coolers w/ Roughing	4,	EA	\$ 2,962.25	\$: 11,84
6	Stainless Utility Sinks w/ Roughing		EA	\$ 1,867.50	\$ 1,86
7	Art Room Sink w/ Clay Trap, Roughing	4	EA ²	\$ 2,657.50	\$ 10,63
8	Classroom Siriks W/ Roughing	(3) 17 to 1	EA	\$ 1,169.00	\$ 19,87
9	Classroom Sinks w/ Drinking Fountain, Roughing	<u>10</u>	EA EA	\$ 1,352,50	\$ 13,52
10 11	3 Station Wash Fountain w/ Roughing Mop Receptor w/ Roughing	4	EA	\$ 4,459.50 \$ 1,037.20	\$ 17,830 \$ 1,03
12	Laboratory Sinks w/ Roughing	43	EA	\$ 1,236.00	\$ 53,14
13	Shower Valves W/ Roughing	14 74	EA	\$ 1,126,00	\$ 15,76
14	Emergency Showers/ Eyewash w/ Mixing Valve, Roughing		EA	\$ 2,593.00	\$ 23,33
15	Furne Hoods w/ Roughing	<b>6</b> 4 4	INSTALL	\$ 1,070.00	\$ 6,42
18	Dishwashers	3 3	INSTALL	\$ 273.00	\$ 81
17	Floor Drains w/ Roughing	36	EA	\$ 706.78	\$ 26,85
18	Floor Sinks w/ Roughing	4	EA EA	\$ 1,102,00	\$ 4,40
19 20	Area Drains w/ Roughing.  2 Bay Commercial Kitchen Sinks w/ Roughing.	2	EA	\$ 1,265.00	\$ 2,53
21	3 Bay Commercial Kitchen Sinks w/ Roughing	1114.14	INSTALL INSTALL	\$ 943.50 \$ 1,062.50	\$ 94 \$ 1,06
22	Commercial Dishwashier w/ Roughing	1	INSTALL	\$ 617.50	\$ 61
23	Cast Iron Janitors Sink on Existing Roughing	5	EA	\$ 588.00	\$ 2,94
24	Sensor Operated Flushometers in Existing Urinals	12	EA	\$ 399.00	\$ 4,78
25	Elevator Sump Pumps w/ Oil Minder	2	EA	\$ 3,537.50	\$ 7,07
26	1,000 Gallon Per Hour Grease Interceptor	1	EA	\$ 10,220.00	
27	Duplex Domestic Water Pressure Booster Pump w/ Cushlon Tank	. 1	EA	\$ 24,350.00	\$ 24,35
28	50 Gallon Acid Neutralization Tanks	3	EĄ		\$ .3,47
29	Copper Coil Domestic Water Heater	2	EA	\$ 19,850.00	\$ 39,70
30 31	500 Gallon Domestic Hot Water Storage Tanka  Domestic Hot Water Recirculation Pumps	2 2	EA EA	\$ 12,700.00 \$ 522.50	\$ 25,40
31	Doniesis flot water recilculation Fullips		<u> </u>	3 522.50	\$ 1,04
<del></del>	DEDUCT		12 VI 1 3 4 VI		7. S.
1	ALLOCATION TO NEW "ADDITION"	-1	LS.	\$ 105,969,56	\$ (105,97
· 5.	. Programme in the control of the co		5.500	\$	\$
1.1		SUB-TOTAL	95,500	NATIONAL AND	\$ 299,37
16960	TESTING, ADJUSTING AND BALANCING	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15950	Testing, Adjusting and Balancing	, 147		2 (24) 2.52 (EAS)	<u> </u>
1	Valve Tags, Pipe Identification	1	LS	\$ 7,275.00	\$ 7,27
. 2	Rigging, Hoisting, and Scaffolding		L8	\$ 8,195.00	\$ 8,19
<u>3</u> 4	Sanitization, Flushing Concrete Housekeeping Peds	1 2	LS	\$ 2,200.00 \$ 486.00	\$ 2,20
4 5	Selemic Restraints, Certification	1	EA LS	\$ 486.00 \$ 5,775.00	\$ 97 \$ 5,77
6	Testing and inspections	<del> </del> <del> </del>	LS	\$ 4,950.00	\$ 5,77 \$ 4,95
7	Coordination Drawings, Submittals, As Builts, O&M's		LŠ	\$ 5,900.00	\$ 5,90
	1.155	<del>-</del>		465. (M. 1946)	<u> </u>
			<del></del>		·-·
	DEDUCT: 4			100 6 6 6 6 6 6	item in the contract of the co
1	DEDUCT ALLOCATION TO NEW "ADDITION"	-1	LS	\$ 9,101.68	
1	DEDUCT ALLOCATION TO NEW "ADDITION"			\$ 9,101.68 \$	\$
1	DEDUCT ALLOCATION TO NEW "ADDITION"	-1 SUB-TOTAL		\$ 9,101.68 \$	
1 OTAL FOR	DEDUCT ALLOCATION TO NEW "ADDITION"			\$ 9,101.68 \$	\$

#### WORLD OF INQUIRY SCHOOL # 58



#### PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011 15 MECHANICAL **DIVISION 15 - HVAC** 15050 BASIC MATERIALS AND METHODS QUANTITY UNIT PRICE UNIT AMOUNT 15095 Selective Plumbing Demolition Demolition of Steam/ Condensate Pipe 2,400 LF 7.40 17,760 team Radiator Demolition w/ Local Piping 125 ĒA 210.00 26,250 Supply Air Diffuser Demolition w/ Local Ducting 46 ĒΑ 365.00 16,790 Exhaust Grille Demolition w/ Local Ducting 28 ĒΑ 323.50 9,058 Duct Main Demoliton 504 LF 62.60 31,500 Unit Ventilator Demoliton w/ Local Piping, Ducting 6 EA 442.00 Air Handier Demolition w/ Local Piping, Ducting 884 ĒΑ 2,075.00 Louver Demolition 4.150 ÉÃ 512.50 1,025 Compressor Demoiltion EA 918.00 918 10 Beifer Demolition w/ Piping, Breeching EA 2,955.00 8,865 11 **Boiler Feed System Demolition** LS 1,925.00 1,925 12 Water Softener Demolition ĒΑ 625.00 625 19 Condensate Pump Demolition EA 465.00 930 14 Roof Fan Demoliton ĒΑ 325.00 15 Vent a Kiln Demolition 2,275 EA 16 325.00 325 an Coll Unit Demolition ΕÄ 473.00 3.311 17 Condensing Demolition w/ Piping EA 786.00 1,572 18 Window Air Condtioner Demoiltion FA 95.00 19 96 Chimney Demolition LS 4,495.00 4,495 Reliaf Hood Demolition 20 3 ĒΑ 466.00 Generator Exhaust Demolition 1.458 1 ĒΑ 2,800.00 2,800 DEDUCT 1 ALLOCATION TO NEW "ADDITION" LS SUB-TOTAL 15100 137,011 BUIDLING SERVICES PIPE QUANTITY UNIT UNIT PRICE AMOUNT 15180 Heating and Cooling Pipe Hot Water Supply and Return Pipe :-Boiler Rool Piping w/ Ftgs, Hgrs (CS Stan Wt) Heating Hot Water Lower Level Floor Main Piping w/ Figs, Hgrs 163 108.72 17,721 1,743 ĹF 34.29 leating Hot Water Upper Level Floor Main Piping w/ Ftgs. Hgra 59,763 672 ŁF 77.31 leating Hot Water Runout Piping to Large Air Handlar w/ Ftgs, Hgrs 51,949 63 ĽF 60.19 leating Hot Water Runout Piping to Air Handlers w/ Ftgs, Hgrs 3.792 900 ĹF 26.56 23,924 6 leating Hot Water Piping to Teminal Units w/ Ftgs, Hgrs 15,260 LF 17.30 263,998 Radiant PEX Tubing w/ Ties 8,400 ΖĒ 4.20 35,280 8 Valving, Specialties at Bollers ÉΑ 1,714.00 6,856 Valving, Specialties at Primary Circulators ĒΑ 2,989.50 /alving, Specialties at Secondary Circulators 11,958 10 EΑ 8,448.25 16,897 alving, Specialties at Large AHU ĒΑ 3,656.25 3,656 12 /alving, Specialties at AHU's 15 ĒΑ 1,854.00 27,810 13 valving, Specilaties at Teminal Units 305 ĒΑ \$ 642.25 195,886 Valving, Specialties at Radiant Zones EΑ 1,058.25 15 3,175 Makeup Water Valving EA \$ 1,554.75 Fiberglass insulation (Varying Thickness) 1.555 16 18.801 LF 9.05 170,149 Rod, Solder, Flux, Gas, Etc. 17 LS 16,250.00 16,250 Chilled Water Supply and Return Pipe:-Chilled Water MER/ Riser Piping w/ Ftgs, Hgrs 147 155.35 22,836 Upper Level Floor Chilled Water Main Piping w/ Ftgs,Hgrs 672 ĨF 108.72 Chilled Water Runout Piping to Large AHU w/ Figs, Hgrs 73,060 63 ĹĖ 77.27 4,868 Chilled Water Runout Piping to AHU's 903 LF 67.83 52,220 alving, Specialties at Chiller 1 EΑ 8,649.50 8,650 alving, Specialties at Circulator LF 14,284.50 28,529 Valving, Specialties at AHU's ĒĀ 3,338.00 23,366 Figherglass Insulation 1,785 LF. 11.12 19,849 9 Makeup Water Valving ËΑ 1,554.75 1,555 10 Rod, Solder, Flux, Gas, Etc. LS \$ 4,600.00 4,600 Refrigeration Pipe :-Chiller Suction Piping w/ Ftgs, Hgrs (ACR Tubing) 80 73.30 Air Handler Suction Piping w/ Ftgs, Hgrs 5,864 240 ĹF 32.18 Chiller Liquid Piping w/ Ftgs,Hgrs 7,723 ĨĒ 80 32.18 Air Handler Liquid Pipng w/ Ftgs, Hgrs 2,574 240 LF 22.88 Elastomeric Insulation 5,490 320 ĹF 9.21 2,947 Specialties at Chiller ΕÃ 3,521.00 3,521 Specialties at Air Handlers 3 ĒΑ 1,872.00 5,616 8 Purging and Charging EA 745.00 Silver Braze, Gas, Nitrogen, Etc. 2,980 LS 745.00 745

#### WORLD OF INQUIRY SCHOOL # 58



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#### PROJECT DETAILED ESTIMATE - RENOVATIONS

	A Company of the second section of the second secon	r i. jan jan jan jan j	AND STATE OF STREET	<u> Marine Barrier (September 19</u>	9/12/2011
	Market				
	Air-Conditioning Condensate Pipe :-		1322 32 22		The state of the s
4	Air Conditioning Condensate Piping from Air Handlers w/ Figs, Hgrs (L. Copper)				
2	1* Thk Fiberglass Insulation	300	LF	\$ 26.92	\$ 8,076
3	Solder, Flux, Gas, Etc.	300	LF	\$ 9.12	\$ 2,738
<u> </u>	Solder, Flux, Gas, Etc.	1	LS	\$60 P. P.	\$ -
	DEDUCT			The second second second	
1	ALLOCATION TO NEW "ADDITION"	<b></b> _			
	CALCON TO VEW ADDITION:	-1	LS	\$ 313,032.78	\$ (313,033)
	The second secon	SUB-TOTAL	<u> </u>	\$	\$
15700	HVAC EQUIPMENT	QUANTITY	UNIT	Transfer and the	\$ 985,391
16700	HVAC Equipment	GOARTIE	UNI	UNIT PRICE	AMOUNT
1	125 Ton Split Air Cooled Chiller w/ Refrigerant Purger	1	EA	70.075.00	
2	Chilled Water Circulators, 20 HP	2	EA	\$ 79,875.00 \$ 6,000.00	
3	Chilled Water Air Separator	1	EA.	\$ 6,000.00 \$ 4,175.00	\$ 12,000
. 4	Chilled Water Expansion Tanks	1	EA		\$ 4,175
. 5	Gas Fired Condensing Gas Sollers, 1,706 MBH Output	4	EA	\$ 2,870.00 \$ 39,200.00	2,870
6	Primary Heating Hot Water Circulators	4	EA	\$ 3,070.00	\$ 156,800
7	Secondary Heating Hot Water Circulators, 30 HP	2	EA	\$ 6,815.00	\$ 12,280
<u> </u>	Heating Hot Water Expansion Tanks	3	EA	\$ 3,410.00	\$ 13,630 \$ 10,230
9	Heating Hot Water Air Separator	1	l ĒĀ	\$ 3,350.00	\$ 10,230
10	Central Station Air Handling w/ HW, CHW Colls 40,455 CFM	1	EA	\$ 248,275.00	
11	Central Station Air Handling W/ HW, CHW Colls, 10,520 CFM	3	ĒĀ	\$ 62,925.00	\$ 248,275 \$ 188,775
12	Central Station Air Handling W/ HW, CHW Colls, 6,475 CFM	1	EA	\$ 39,500.00	\$ 39,500
13	Central Station Air Handling W/ HW, CHW Colls, 4,940 CFM	1	EA	\$ 29,650.00	\$ 29,650
14	Central Station Air Handling w/ HW, CHW Colls, 3,290 CFM	1	EA	\$ 20,325.00	\$ 20,325
16	Central Station Air Handling W/ HW, CHW Colls 8,790 CFM	л.	EA	\$ 52,475.00	\$ 52,475
16	Central Station Air Handling W/ HW, CHW Colls, 2,100 CFM	1	EA	\$ 12,550.00	\$ 12,550
17 18	Central Station Air Handling w/ HW, CHW Colls, 1,550 CFM	/ 1	EÁ	\$ 9,514,00	\$ 9,514
19	Central Station Air Handling w/ HW, CHW Colls, 3,010 CFM	11	EA	\$ 15,876.00	\$ 15,875
20	Central Station Air Handling W/ HW, CHW Colls, 3,340 CFM	1	EA	\$ 19,500.00	\$ 19,500
21	Central Station Air Handling w/ HW, CHW Colls, 14,150 CFM	1	EA	\$ 83,700,00	\$ 83,700
22	Central Station Air Handling w/ HW, CHW Colls, 1,400 CFM Central Station Air Handling w/ HW, CHW Colls, 7,290 CFM	1	EA	\$ 9,510.00	\$ 9,510
23	Central Station Air Handling Unit w/ HW, CHW, DX Colls, 5,755 CFM w/ Conde	1	EA	\$ 47,500.00	\$ 47,500
24	Central Station Air Handling Unit w/ HW, CHW, DX Colle, 2,480 CFM w/ Conde	4" ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LF	\$ 42,850.00	\$ 42,850
25	Cantral Station Air Handling Unit w HW Coll, 2,970 CFM	10	EA	\$ 16,650.00	\$ 16,650
26	Gas Fired Makeup Air Unit	1	EA	\$ 18,650,00	\$ 18,650
27	Kitchén Exhaust Fan	**************************************	EA	\$ 10,550.00	\$ 10,550
28	Fume Exhaust Fan	6	EA	\$ 10,000,00	\$ 10,000
29	Tollet Exhaust Fens	3	<u>EA</u>	\$ 5,260.00	\$ 31,500
30	Flamable Storage Cabinet Exhaust Fan	4	EA EA	\$ 3,775,00	11,325
31	Dust Collector	788 <b>1</b> 875	EA EA	\$ 3,776.00	3,776
32	Commercial Fin Tube Rediation	930	EA	\$ 10,550.00 \$ 68.10	\$ 10,650
33	VAV Boxes w/ HW Reheat Colls	184	EA EA	\$ 68.10 \$ 725.00	\$ 63,333
34	Hot Water Reheat Colls	11:	ĒĀ	\$ 725.00 \$ 500.00	\$ 133,400
35	Hydronic Cabinet Unit Heaters	12	ĒĀ	\$ 2,362.50	\$ 5,500 \$ 29,350
36	Hydronic Unit Heaters	5	EA EA	Contract of the last of the la	20,000
37	Glycol Feed Unit	1	ĒĀ	\$ 3,520.00	\$ 6,063 \$ 3,520
38	Closed Circuit Chemical Feed Program	2	LS	\$ 4,525.00	\$ 9,050
39	Variable Frequency Drives	20	ĒA		\$ 76,000
40	Magnetic Motor Starters	28	EA	\$ 3,800.00 \$ 1,125.00	\$ 31,500
			· <del></del>	1,120,00	4 31,000
	DEDUCT		· · · · · · · · · · · · · · · · · · ·	1.50	
	ALLOCATION TO NEW "ADDITION"	-1	LS	\$ 413,801,38	\$ (413,801)
	. National and the state of the	e i jadine in in	Angeles and the second	\$	\$ A. marks *
1goAA"		SUB-TOTAL	and the second second		1,170,123
15800	AIR DISTRIBUTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15810	Ducts	1975 (# <u>\$</u> \$\$\frac{1}{2}\$	n again garantaan		
11	Galvanized Ductwork	87,574	LBS	\$ 7.60	\$ 665,562
2	Black Iron Ductwork 6" Stainless Flue Pipe	845	LBS	\$ 11.11	\$ 9,388
<u></u>	o samess rue ripe Insulation; "Ductwrap"; 2" thick	80	LF	\$ 85.20	6,818
5	Insulation; "Ductwrap"; 2" trick Insulation; "Ductwrap"; fire-proof; 2" thick	53,892	SF	\$ 3.30	177,844
······································	THE STATE OF THE PROOF & UNCK	338	8F	\$ 8.80	3 2,974

#### WORLD OF INQUIRY SCHOOL # 58

## Draft

#### PROJECT DETAILED ESTIMATE - RENOVATIONS

9/12/2011

15820	Ductwork Accessories	325	EA	\$ 137.75	\$ 44,769
1	Supply Air Diffusers	70	EA EA	\$ 227.50	\$ 15,926
<u>2</u>	2 Slot X 4 Foot Supply Air Diffusers	16	EA	\$ 623.50	\$ 9,353
3	Circular Gym Supply Air Diffusers	197	EA		\$ 54,17
4	Return Air Grilles Exhaust Air Grilles	38	EA	\$ 116.86	\$ 4,44
5	Canyas Flexible Connections	39	EA	\$ 770.00	\$ 30,03
. 6	Fire Smoke Dampers	1	ALLOW		\$ 32,37
	Fire Dampers	i	ALLOW	\$ 20,450.00	\$ 20,45
9	Volume Dampers	680	665		\$ 34,88
9		395	EA		\$ 12,56
10	Flexible Duct Preinaulated			_ <del></del>	
	DEDUCT				
	ALLOCATION TO NEW "ADDITION"		LS	\$ 292,879.06	\$ (292,8)
1	ALLOCATION TO NEW ADDITION			\$	\$
		SUB-TOTAL			\$ 828,6
15900	HVAC INSTRUMENTATION AND CONTROL	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15950	Automatic Temperature Controls				
10800	125 Ton Split Air Cooled Chiller w/ Refrigerant Purger	4	POINTS	\$ 700.00	\$ 2,80
	Chilled Water Circulators, 20 HP	6	POINTS	\$ 700.00	\$ 4,20
2	Gas Fired Condensing Gas Bollers, 1,706 MBH Output	12	POINTS	\$ 700.00	\$ 8.40
3	Primary Heating Hot Water Circulators	12	POINTS	\$ 700.00	\$ 8,4
4	Secondary Heating Hot Water Circulators, 30 HP		POINTS	\$ 700.00	
	Central Station Air Handling w/ HW, CHW Coils 40,455 CFM	22	POINTS	\$ 700.00	\$ 15,4
<u>. 6</u>	Central Station Air Handling W HW, CHW Colle 40,400 CFM	22	POINTS	\$ 700.00	
	Central Station Air Handling W HW, CHW Colls, 10,520 CFM	22	POINTS	\$ 700.00	
<u> </u>	Central Station Air Handling w/ HW, CHW Colls, 6,475 CFM	22	POINTS	\$ 700.00	
9	Central Station Air Handling w/ HW, CHW Colls, 4,940 CFM	22	POINTS	\$ 700.00	\$ 15,4
10	Central Station Air Handling w/ HW, CHW Colls, 3,290 CFM	22	POINTS	\$ 700.00	\$ 15,4
<u> 11</u>	Central Station Air Handling w/ HW, CHW Coils 8,790 CFM	22	POINTS	\$ 700.00	\$ 15,4
12	Central Station Air Handling w/ HW, CHW Colls, 2,100 CFM	22	POINTS	\$ - 700.00	
13	Cantral Station Air Handling w/ HW, CHW Colls, 1,550 CFM		POINTS	\$ 700.00	\$ 15,4
14	Central Station Air Handling w/ HW, CHW Goils, 3,010 CFM	22			\$ 15,4
15	Central Station Air Handling w/ HW, CHW Coils, 3,340 CFM	22	POINTS	\$ 700.00 \$ 700.00	\$ 15,4
16	Central Station Air Handling w/ HW, CHW Colls, 14,150 CFM	22	POINTS		\$ 15,4 \$ 15,4
17	Central Station Air Handling w/ HW, CHW Colls, 1,400 CFM	22 22	POINTS	\$ 700.00	
18	Central Station Air Handling w/ HW, CHW Colls, 7,290 CFM	22	POINTS	\$ 700.00	\$ 15,4
19	Central Station Air Handling Unit w/ HW, CHW, DX Colls, 5,755 CFM w/ Conde	26	POINTS	\$ 700.00	\$ 18,2
20	Central Station Air Handling Unit w/ HW, CHW, DX Coile, 2,480 CFM w/ Conde	28	POINTS	\$ 700.00	\$ 18,2
21	Central Station Air Handling Unit w/ HW Coll, 2,970 CFM	20 12	POINTS	\$ 700.00	\$ 14,0
22	Gas Fired Makeup Air Unit		POINTS	\$ 700.00	\$ 8,4
23	Kitchen Exhaust Fan	3	POINTS	\$ 700.00	\$ 2,1
24	Fume Exhaust Fan	18	POINTS	\$ 700.00	\$ 12,6
25	Tollet Exhaust Fans	9	POINTS	\$ 700.00	\$ 6,3
26	Flamable Storage Cabinet Exhaust Fan	3	POINTS	\$ 700.00	\$ 2,
27	Dust Collector	4	POINTS	\$ 700.00	\$ 2,1
28	Commercial Fin Tube Radiation	186	POINTS	\$ 700.00	\$ 130,
29	VAV Boxes w/ HW Reheat Coils	552	POINT8	\$ 700.00	\$ 386,4
30	Hot Water Reheat Colls	22	POINTS	\$ 700.00	\$ 16,
31	Hydronic Cabinet Unit Heaters	36	POINTS	\$ 700.00	\$ 25,
32	Hydronic Unit Heaters	10	POINTS	\$ 700.00	\$ 7,
33	Glycol Feed Unit	1	POINTS	\$ 700.00	\$
34	Operators Work Station	L 1	LS	\$ 30,825.00	\$ 30,
			L		
	DEDUCT	[	1		l
1	ALLOCATION TO NEW "ADDITION"	-1	LS	\$ 237,293.80	\$ (237,
	The state of the s	***************************************	L	1\$ -	\$
تنسيد	And the second of the second o	SUB-TOTAL			\$ 671,
15950	TESTING, ADJUSTING AND BALANCING	QUANTITY	UNIT	UNIT PRICE	AMOUNT
15950	Testing, Adjusting and Balancing				
1	Concrete Housekeeping Pads	42	EA	\$ 640.00	\$ 28,
<u></u>	Rigging, Holsting, Scaffolding	1	LS	\$ 97,300.00	\$ 97,
	Valve Tage, Pipe Identification	1	LS	\$ 16,100.00	
3	Flushing	1	LS	\$ 6,836.00	\$ B,
	Testing and Balancing	712	MH	\$ 97.50	\$ 69,
5	Seismic Restraint, Certification	1	LS	\$ 22,750.00	
<u>6</u>		<del> </del>	LS	\$ 18,875.00	
· <u>/</u>	Coordination Drawings, Submittals, O&M's As Builts	<u> </u>		4 10,010,000	† ⁻ <u></u> '
	Nantari			· [	<del> </del>
	DEDUCT	_1	L8	\$ 67,287.42	\$ (67,
1 '	ALLOCATION TO NEW "ADDITION"	<u>-1</u>	<u>Lo</u>	\$ -	1 3
		GIID, TOTAL			\$ 400
		SUB-TOTAL			\$ 190,

### WORLD OF INQUIRY SCHOOL # 58



### PROJECT DETAILED ESTIMATE - RENOVATIONS

0/40/0044

16	DIVISION 1	B - ELECTRICAL			
16200	ELECTRIC POWER	QUANTITY	UNIT	UNIT PRICE	AMOUNT
16200	Electrical Power		ta-toadisty	2. 计显微数据数据	STEED TO SERVE
	Power Circuitry:-		75.0		<b>数3000种为矛盾以</b>
Asia 1	1.1/4° Emt, 4#2	650	74.50 - 0 TA - 4005 Color LES	<b>6</b> 63 50	
. 2	2" Emt. 4 3/0	3,600	LES VIII	\$ 31.30 \$ 54.71	\$ 20 \$ 198
3	2 1/2" Emt. 4 4/0	BO	LF	\$ 64,39	\$ 5
4	3" Emt, 4 350Mcm	60	LF	\$ 86.06	\$ 5
5	4" PVC, 4 350 Mcm UG	200	LF	\$ 78.33	\$ 15
<u>6</u> 7	4" PVC CDT UG (primary, empty)	400	LF.	\$ 14.53	\$ 5,
<del>:                                    </del>	Motor Feeders	124,435	SF	\$ 1.25	\$ 155
100 (100 (100 (100 (100 (100 (100 (100	Power Equipment :-	and the second of the second o	إندائية والمحاجب		18.00 mg
1	100 Amp Panel Board	2	EA	0.004.00	
2	225 Amp Panel Board	17	EA	\$ 3,331.25 \$ 6,212.50	\$ 6
3	600 Amp Dist 8d Soard	100	EÁ C	\$ 9,562.50	\$ 88 \$ 9
4	Instell 300 Kva Utility Transformer FBO		SEE "SITEWOR	K	\$
5	600 Amp CT Cabinet	4 1	EA	\$ 4,634.38	\$ 4
6	600 Amp Main Dist Bd Board 480V		EA	\$ 13,300.00	\$ 13
7	30 Kva Transformer	1	EA	\$ 5,737.60	\$ 5,
<u>8</u>	45 Kva Transformer 225 Kva Transformer	المستعلق المستعادة	EA	\$ 7,012.50	\$ 7
10	200 KW Emerg Generator	<u> </u>	EA	\$ 19,227,50	\$ 19
11	Autotransfer Sw 100A	1	LS EA	\$ 81,900.00	\$ 81
12.	Autotransfer Sw 225A	<u></u>	EA	\$ 4,981.26	\$ 4,
13	Motor Disconnects	124,435	SF	\$ 8,050.00 \$ 0.50	\$ 8
		7		0.00	\$ 62
Complete Application	Branch Circuitry and Devices :-	13 W. 1880 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1	Contract Con	The Market of the Party of the
1	3/4". Eint. 4#12	7,548	LF	\$ 13.97	\$ 105
2	MG Cable	17,611	LF	\$ 6.13	\$ 107
3	Switches	114	EÀ	\$ 100.00	\$ 11
5	Occupancy Sensor ALCR	. 57	22.2 <b>EA</b> 2.20	\$ 225,00	\$ 12,
8	Receptacles (class)	65	EA*	\$ 512.50	\$ 33,
7	Branch Circuitry (not shown)	399 81,685	EA SF	\$ 100.00	\$ 39
8	Wiring Devices (not shown)	81,685	SF	\$ 5.00 \$ 3.00	\$ 408,
		3,000	91	3.00	\$ 245,
	PEQUET		<u> </u>	The state of the Name of the N	<b>2</b> .5
	ALLOCATION TO NEW "ADDITION!	that the same and the same in			The state of the s
1	ALLOCATION TO NEW ADDITION		' L <b>8</b> ?*	\$ 441,108,42	S (441)
	ALLOCATION TO NEW ADDITION			\$ 441,10B.42 \$	\$ (441) \$
IARNA		SUB-TOTAL		<b>8</b> 10 m 20 20 20 20 20 20 20 20 20 20 20 20 20	\$ \$ 1,239
16500 16510	LIGHTING		LS Unit		\$ \$ 1,239,
18500 18510	LIGHTING Interior Luminaires	SUB-TOTAL QUANTITY	UNIT	\$ UNIT PRICE	\$ 1,239, AMOUNT
16510	LIGHTING Interior Luminaires Linear Fluor Parid, Dir/Indir	SUB-YOTAL QUANTITY 4,484	UNIT	S 91.25	\$ 1,239 AMOUNT \$ 407
16510 1	LIGHTING Interior Luminaires	SUB-TOTAL GUANTITY 4,464 342	UNIT LF EA	\$ UNIT PRICE \$ 91.25 \$ 266.25	\$ 1,239 AMOUNT \$ 407,
16510 1 2	LIGHTING Interior Luminaires Linear Fluor Perio, Dir/Indir 2x4 Fluor Layin Réc Downlight 1x4 Indust Fluor	8UB-TOTAL QUANTITY 4,464 342 24	UNIT LF EA EA	\$ 91.25 \$ 256.25 \$ 275.00	\$ 1,239, AMOUNT \$ 407, \$ 87,
16510 1 2 3 4 5	LIGHTING Interior Luminaires Linear Fluor Parid; Dir/Indir 2x4 Fluor Layin; Réc Downlight 1x4 Indust Fluor Gym Hibay 2x4	SUB-TOTAL GUANTITY 4,484 342	UNIT LF EA EA	\$ 91.25 \$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 6,
16510 1 2 3 4	LIGHTING Interior Luminaires Linear Fluor Perio; Dir/Indir 2x4 Fluor Layin Réc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Walipack	SUB-TOTAL GUANTITY 4,484 342 24 39 24 20	UNIT LF EA EA EA	\$ 91.25 \$ 91.25 \$ 256.25 \$ 275.00 \$ 300.00 \$ 781.25	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18,
16510 1 2 3 4 5 5 6 6 7	LIGHTING Interior Luminaires Linear Fluor Pand, Dir/Indir 2x4 Fluor Layin Rêc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit	SUB-TOTAL GUANTITY  4.464 342 24 39 24 20 67	UNIT  LF EA EA EA EA EA EA EA	\$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 887.50 \$ 361.25	\$ 1,239 AMOUNT \$ 407. \$ 87. \$ 11. \$ 18. \$ 13.
16510 1 2 3 4 5 6	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir 2x4 Fluor Layin Réc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP-Wallpack Type Exit Misc Lighting Fixtures not Shown	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435	UNIT LF EA EA EA EA EA EA SF	\$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 887.50 \$ 361.25 \$ 5.00	\$ 1,239 AMOUNT \$ 407. \$ 87. \$ 11. \$ 18. \$ 13. \$ 25. \$ 137.
16510 1 2 3 4 5 5 6 6 7	LIGHTING Interior Luminaires Linear Fluor Pand, Dir/Indir 2x4 Fluor Layin Rêc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit	8UB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685	UNIT  LF EA EA EA EA EA EA EA EA SF SF	\$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 887.50 \$ 381.25 \$ 5.00 \$ 1.50	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18, \$ 13, \$ 25, \$ 137, \$ 122,
16510 2 3 4 5 6 7 8	Lighting Interior Luminaires Linear Fluor Parid, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indixst Fluor Gym Hibay 2x4 WP Wallback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown)	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435	UNIT  LF EA	\$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 887.50 \$ 381.25 \$ 5.00 \$ 1.50	\$ 1,238
16510 1 2 3 4 5 6 7	Lighting Interior Luminaires Linear Fluor Pand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WF Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT	8UB-TOTAL QUANTITY 4,484 342 224 39 24 20 67 27,435 81,685	UNIT  LF EA	\$ 91.25 \$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50	\$ 1,239
16510 1 2 3 4 5 6 7 8	LIGHTING Interior Luminaires Linear Fluor Pend, Dir/Indir 2x4 Fluor Layin Rêc Downlight 1x4 Indust Fluor Gym Hibey 2x4 WP Wallpack Type Exit Misc Lighting Extures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS	SUB-TOTAL GUANTITY  4,484 342 24 39 24 20 67 27,435 81,685	UNIT  LF EA	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300:00 \$ 781:25 \$ 887.50 \$ 381:25 \$ 5:00 \$ 1.50	\$ 1,239
16510 1 2 3 4 5 6 7 7	Lighting Interior Luminaires Linear Fluor Pend; Dir/Indir 2x4 Fluor Layin Rèc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS	8UB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,665	UNIT  LF EA	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300:00 \$ 781:25 \$ 887.50 \$ 381:25 \$ 5.00 \$ 1.50 \$ 217,140:08	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ (217,
16510 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Pend; Dir/Indir 2x4 Fluor Layin; Rec Downlight 1x4 Indust Fluor Cym Hibsy 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW "ADDITION"  SPECIAL SYSTEMS	SUB-TOTAL QUANTITY  4,484 342 24 29 47 20 67 27,435 81,685	UNIT  LF EA	\$ 91.25 \$ 206.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 687.50 \$ 361.25 \$ 5.00 \$ 1.50	\$ 1,239 AMOUNT \$ 407 \$ 87, \$ 6, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ 277,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS  Special Systems	SUB-TOTAL QUANTITY  4,484 342 24 29 47 20 67 27,435 81,685	UNIT  LF EA EA EA EA EA EA EA EA EA SF SF	\$ 91.25 \$ 266.25 \$ 266.25 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50 \$ 1.50	\$ 1,238 AMOUNT \$ 407. \$ 87. \$ 11. \$ 18. \$ 25. \$ 137. \$ 122. \$ (217. \$ 813. AMOUNT
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Pand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW 'ADDITION'S  SPECIAL SYSTEMS Special Systems	SUB-TOTAL QUANTITY  4,484 342 24 29 47 20 67 27,435 81,685	UNIT  LF EA EA EA EA EA EA EA EA EA UNIT	\$ 91.25 \$ 266.25 \$ 266.25 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50 \$ 1.50	\$ 1,239 AMOUNT \$ 407. \$ 87. \$ 11, \$ 18, \$ 25, \$ 137. \$ 122. \$ (217, \$ 813, AMOUNT
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir 2x4 Fluor Layin Réc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Weilback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS Special Systems	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685	UNIT  LF EA EA EA EA EA EA EA EA EA UNIT	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300:00 \$ 781:25 \$ 887:50 \$ 381:25 \$ 5:00 \$ 1:50 \$ 1:50	\$ 1,239 AMOUNT \$ 407. \$ 87. \$ 11, \$ 18, \$ 25, \$ 137. \$ 122. \$ (217, \$ 813, AMOUNT
16510 	Lighting Interior Luminaires Linear Fluor Pand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW 'ADDITION'S  SPECIAL SYSTEMS Special Systems	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685  -1 SUB-TOTAL QUANTITY	UNIT  LF EA EA EA EA EA EA EA SF SF UNIT	\$ 91:25 \$ 266:25 \$ 275:00 \$ 300:00 \$ 781:25 \$ 687:80 \$ 361:25 \$ 5:00 \$ 1:50 \$ 1:50 \$ UNIT PRICE	\$ 1,239,     AMOUNT  \$ 407, \$ 87, \$ 11, \$ 16, \$ 13, \$ 25, \$ 137, \$ 122, \$ 127, \$ 813,     AMOUNT  \$ 497,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Fixtures not shown Misc Lighting Controls (not shown)  DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS Special Systems  Fire Alarm System: Fire Alarm System:	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 4 SUB-TOTAL QUANTITY	UNIT  LF EA EA EA EA EA EA EA EA EA UNIT	\$ 91.25 \$ 266.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 887.50 \$ 361.25 \$ 5.00 \$ 1.50 \$ 1.50 \$ UNIT PRICE	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 6, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ 127, \$ 813, AMOUNT
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW 'ADDITION'S  SPECIAL SYSTEMS Special Systems  Fire Alarm System:-	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 31,685 31,685	UNIT  LF EA EA EA EA EA EA EA UNIT	\$ 91.25 \$ 268.25 \$ 268.25 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50 \$ 1.50 \$ 1.00 \$ 4.00	\$ 1,236 AMOUNT \$ 407, \$ 97, \$ 6, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ 127, \$ 813, AMOUNT
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Fixtures not shown Misc Lighting Controls (not shown)  DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS Special Systems  Fire Alarm System: Fire Alarm System:	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 4 SUB-TOTAL QUANTITY	UNIT  LF EA EA EA EA EA EA EA SF SF UNIT	\$ 91.25 \$ 91.25 \$ 268.25 \$ 275.00 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50 \$ 1.50 \$ 217,140.06 \$ 217,140.06 \$ 381.25	\$ 1,236 AMOUNT \$ 407, \$ 97, \$ 6, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ 127, \$ 813, AMOUNT
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW 'ADDITION'S  SPECIAL SYSTEMS Special Systems  Fire Alarm System:-	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 31,685 31,685	UNIT  LF EA EA EA EA EA EA EA UNIT	\$ 91.25 \$ 268.25 \$ 268.25 \$ 300.00 \$ 781.25 \$ 687.50 \$ 381.25 \$ 5.00 \$ 1.50 \$ 1.50 \$ 1.00 \$ 4.00	\$ 1,236, AMOUNT \$ 407, \$ 87, \$ 16, \$ 11, \$ 18, \$ 12, \$ 12, \$ 25, \$ 137, \$ 122, \$ 407, \$ 407,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rand, Dir/Indir 2x4 Fluor Layin Rec Downlight 1x4 Indiust Fluor Gym Hibay 2x4 WP Wallback Type Exit Mac Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS SPECIAL SYSTEMS Special Systems  Fire Alarm System:- Fire Alarm System:- Intrusion System:- Intrusion System:-	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685  -1 SUB-TOTAL QUANTITY  124,435	UNIT  LF EA EA EA EA EA EA EA SF SF UNIT	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 781:25 \$ 887:50 \$ 381:25 \$ 5:00 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ (217, \$ B13, AMOUNT \$ 497, \$ 166,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir  2x4 Fluor Layin Réc Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS Special Systems  Fire Alarm System:- Fire Alarm System:- Intrusion System:- Intrusion System:-	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 31,685 31,685	UNIT  LF EA EA EA EA EA SF SF SF SF SF	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 781:25 \$ 361:25 \$ 5:00 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18, \$ 13, \$ 122, \$ 137, \$ 138, AMOUNT \$ 813, AMOUNT \$ 155, \$ 155,
16510 1 2 3 4 5 6 7 8 9	Lifer Fluor Rend, Dir/Indir  2x4 Fluor Layin Rec Downlight 1x4 Indiss Fluor Sym Hibay 2x4 WP Wallback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW "ADDITION"  SPECIAL SYSTEMS Special Systems  Fire Alarm System: Intrusion System: Intrusion System: CCTV System: CCTV System:	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685  -1 SUB-TOTAL QUANTITY  124,435	UNIT  LF EA EA EA EA EA EA EA SF SF UNIT	\$ 91:25 \$ 266:25 \$ 275:00 \$ 300:00 \$ 781:25 \$ 367:30 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50 \$ 1:50	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 11, \$ 18, \$ 13, \$ 122, \$ 137, \$ 142, \$ 497, \$ 155, \$ 155,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminalres Linear Fluor Rend; Dir/Indir  2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP-Wallpack Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS Special Systems  Fire Alarm System: Intrusion System: Intrusion System: CCTV System:	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685  31 SUB-TOTAL QUANTITY  124,435	UNIT  LF EA EA EA EA EA EA EA SF SF  UNIT	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300.00 \$ 781:25 \$ 687.50 \$ 1.50 \$ 1.50 \$ 1.50 \$ 1.25 \$ 4.00	\$ 1,236, AMOUNT \$ 407, \$ 87, \$ 16, \$ 11, \$ 12, \$ 12, \$ 26, \$ 137, \$ 122, \$ 497, \$ 497, \$ 155,
16510 1 2 3 4 5 6 7 8 9	Lighting Interior Luminaires Linear Fluor Rend; Dir/Indir  2x4 Fluor Layin Rec Downlight 1x4 Indust Fluor Gym Hibay 2x4 WP Wallback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW ADDITIONS  SPECIAL SYSTEMS  Special Systems  Fire Alarm System:- Fire Alarm System:- Intrusion System:- CCTV System:- CCTV System:- Intercom System:-	SUB-TOTAL QUANTITY  4,464 342 24 39 24 20 67 27,435 81,685 31,685 31,685 124,435 124,435	UNIT  LF EA EA EA EA EA SF SF SF SF SF	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300.00 \$ 781:25 \$ 687.50 \$ 1.50 \$ 1.50 \$ 1.50 \$ 1.50 \$ 1.25 \$ 4.00	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 16, \$ 11, \$ 18, \$ 137, \$ 122, \$ 497, \$ 497, \$ 155,
16510 1 2 3 4 5 6 7 8 9	Lifer Fluor Rend, Dir/Indir  2x4 Fluor Layin Rec Downlight 1x4 Indiss Fluor Sym Hibay 2x4 WP Wallback Type Exit Misc Lighting Fixtures not Shown Misc Lighting Controls (not shown) DEDUCT ALLOCATION TO NEW "ADDITION"  SPECIAL SYSTEMS Special Systems  Fire Alarm System: Intrusion System: Intrusion System: CCTV System: CCTV System:	SUB-TOTAL QUANTITY  4.484 342 24 39 24 20 67 27,435 81,685  31 SUB-TOTAL QUANTITY  124,435	UNIT  LF EA EA EA EA EA EA EA SF SF  UNIT	\$ 91:25 \$ 91:25 \$ 266:25 \$ 275:00 \$ 300.00 \$ 781:25 \$ 687.50 \$ 1.50 \$ 1.50 \$ 1.50 \$ 1.25 \$ 4.00	\$ 1,239, AMOUNT \$ 407, \$ 87, \$ 16, \$ 11, \$ 18, \$ 25, \$ 137, \$ 122, \$ 427, \$ 8497, \$ 155,

### WORLD OF INQUIRY SCHOOL # 58



9/12/2011

### PROJECT DETAILED ESTIMATE - RENOVATIONS

Communications System :-4" PVC CDT UG 14.20 5,681 MDF 21,250.00 EΑ 21,250 ocal Patch Panel EA 4,275.00 17,100 AN Interc Board EA 4,275.00 17,100 nstall LON Works Cabt FBO 4 EA EA 862.50 3,450 TV Distr Rack 4 2,850.00 11,400 CATV Splitter 4 ĘÄ 650.00 2,600 4" Floor Steeves 16 ĒΑ 212.50 3,400 4" Wall Sleaves 16 ËA 212.50 3,400 Ground Bar 10 EA \$ 712.50 3,563 Cable Tray 24" Alum 11 LF 1,670 \$ 41.00 68,470 12 Strand Multi-Mode Fiber 12 800 LF 5.95 4,760 100 Pair CAT 3 Cable 13 800 ĹF 12.25 9,800 14 RG11 Coax Cable 800 3.88 3,100 15 3/4" EMT CDT 27,061 2,565 LF 10.55 " EMT CDT LF 16 1,283 16,079 12.54 4" EMT Cdt 17 400 LF 30.64 12,255 Cat 6 Cable 18 111,150 Î.F 1.53 169,504 Coax Cable 19 8,550 LF 1.11 9,512 Tel/Data Outlet (not shown) 20 66 ËÄ 93.75 8,016 5,344 21 Tel/Data Outlet 2c 57 ĒΑ 93.75 22 Tel/Data Outlet 4c 114 ĒΑ 131.25 14.983 TV Outlet 23 57 ΕÄ 62.50 3,563 Clock/ Public Address System :-2 1/2" Emt, Riser Cables 100 64.90 6,490 3/4" EMT Cdt 855 10.55 9,020 1" EMT Cdt 2,810 12.54 35,230 Comm Cable 15,375 1 LF 1.63 23,447 Main Sound Rack โร 42,500.00 42,500 Antenna 1 EΑ \$ 1,350.00 1,350 Admin Control Station Outlet 3 ĒΑ 356.25 1,069 Microphone Outlet 8 14 ËΑ 150.00 2,100 Local Sound System Rack 7,850.00 23,550 10 Time Recorder ĒΑ 700.00 1,400 Double Face Clock EA 450.00 21 9,450 Single Face Clock FA 22,200 300.00 13 Speaker 149 EA 250.00 37,250 14 Loudspeaker Assembly EA 4 450.00 1,800 Spherical Loudspeaker Assembly 15 ΕÁ 700.00 4,200 16 Speaker Hom. 250.00 750 EA 17 Privacy Switch 57 7,838 \$ 137.50 \$ DEDUCT ALLOCATION TO NEW "ADDITION" -1 LS 404,374.84 (404,375) 1,143,904 BUB TOTAL 16900 MISCELLANEOUS QUANTITY UNIT **UNIT PRICE** AMOUNT 16900 Miscellaneous Items Miscellaneous site demolition **GSF** 124,435 0.80 99,548 Miscellaneous job expenses 100,000.00 LS 100,000 ä 124,435 Temporary lighting and power GSF 1.00 124,435 DEDUCT ALLOCATION TO NEW "ADDITION" LS 84,515.60 (84,516 SUB-TOTAL 239.467 TOTAL FOR DIVISION 16 - ELECTRICAL 3,236,523

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### **WORLD OF INQUIRY SCHOOL #58**



### PROJECT DETAILED ESTIMATE - SITEWORK

9/12/2011 SCHEMATIC ESTIMATE REVISION 1 PROJECT AREA (SF): BUILDING TYPE : NEW CONST. | ADDITION RENOVATION INDUSTRIAL COMMERCIAL RESIDENTIAL RETAIL **☑** EDUCATIONAL 124,435 0 124,435 PROJECT TYPE : ☐ NEW CONSTRUCTION ADDITION . RENOVATION PROJECT : WORLD OF INQUIRY SCHOOL # 58 EMPLOYER ROCHESTER JOINT SCHOOL CONSTRUCTION BOARD ROCHESTER, NEW YORK 14821 LOCATION : A/E: JCJ ARCHITECTURE RJSCB / GILBANE PROJECT# DIVISION DESCRIPTION QUANTITY UNIT UNIT PRICE AMOUNT 2 DIVISION 2 - SITEWORK SITE PREPARATION 02200 QUANTITY UNIT UNIT PRICE AMOUNT 02220 Selective Demolition Demolish existing building complete; single storey; including associated appertunances 2,183 ŞF 6.00 13,098 Remove existing concrete eldewalks adjacent to building to be demolished Remove existing curbs adjacent to building to be demolished Remove existing flagpole adjacent to building to be demolished SF 2.00 930 3 248 5.00 1,240 1 ĒΑ 150.00 150 State ore Remove existing landscaped areas adjacent to building to be demolished 450 8F 1:00 450 Remove existing asphalt pavement @ parking lots 52,802 SF 2.00 105,604 Remove existing curb islands 211 SF 2,00 422 Remove existing asphalt sidewalks 8 2,711 SF 2.00 5,422 Remove existing concrete sidewalks ( X-Cost ) Remove existing steps 9 8,979 SF 2.00 17,958 10 326 SF 20.00 6,500 ( X-Cost ) Remove existing ramps 11 84 SF 20.00 1,680 Remove existing concrete sidewalks; in public street 8,350 g SF 3.00 25,050 12 Remove existing concrete equipment pads 109 SF 2.00 218 13 Remove existing sub-level stairway 105 SF 2.625 25.00 Remove existing curbs 14 ĹF 296 5.00 1,480 15 Remove existing rubber mat play areas 4,615 8F 2.00 9,230 16 Remove existing drainage pipes ĹF 269 20.00 5,780 17 Remove existing drainage structures 5 EA 1,000.00 5,000 18 Remove existing electrical feeders; underground ( to be relocated ) 94 1E 50,00 4,700 19 Remove existing gas line; underground ( to be relocated ) 98 LF 20.00 1,960 Remove existing gas meter; underground ( to be relocated ) Remove existing chain link fences 20 1 ĒΑ 1,000.00 1.000 2,063 LF 5.00 10,315 ( X-Cost ) Gates 22 EΑ 150.00 300 Remove existing wrought iron fences 23 154 5.00 770 24 ( X-Cost ) Gates ĒĀ 150.00 150 Remove existing metal tube rails 25 101 LF 10.00 1,010 26 Remove existing wells and associated foundations AR ÜF 50.00 4,800 Remove existing retaining walls and associated foundations 289 ĹF 100.00 28,900 28 Remove existing bollards ĒΑ 65.00 195 Remove existing billboards 29 ĘΑ 1,000.00 1,000 30 Remove existing lightpoles ĒΑ 1,000.00 3,000 31 Remove existing landscaped areas 8,527 SF 1.00 8,527 32 Remove existing trees 10 ĒΑ 300.00 3,000 33 Temporary construction fence 1,384 LF 25.00 34,600 SUB-TOTAL 307.064 02300 EARTHWORK QUANTITY UNIT UNIT PRICE AMOUNT 02315 Excavation and Fil xcavate @ surface finished areas ( Assumed 1' deep ) 2,935 CY 10.00 29,350 Disposel 2.935 CY 16.00 46,960 Erosion and Sedimentation Control 02370 Sill fence 2.00 2,532 2 Inlet protection ÉA 60.00 420 3 Stabilized construction entrance 2,000 86 1,00 2,000

SUB-TOTA

### WORLD OF INQUIRY SCHOOL # 58



### PROJECT DETAILED ESTIMATE - SITEWORK

02500 02510	UTILITIES	QUANTITY	UNIT		UNIT PRICE	T	AMOUNT
1	Water Distribution					+-	- 411-0171
1	Incoming fire water service; 6"	23	LF	- T - S	75.00	T's	1,7
	( X-Cost ) Connections to new Incoming domestic water mains;			- <del>-</del> -	10.00	٠. ٠.٠٠	
2	Including RPZ and backflow preventor	1	LS	\$	1,000.00	١.	4.0
3	Incoming domestic water service; 6"	279	LF	—+ <del>*</del>	75.00		1,0
	( X-Cost ) Connections to existing mains; in public street; including tap	<del> </del>	<u> </u>		/5,00		20,9
4 :	and valve	1 1 .	L8	١.	5 000	ı,	
		<del> </del>	LO	\$	5,000.00	.   \$	5,00
02530	Sanitary Sewerage	· · · · · · · · · · · · · · · · · · ·			<i>j</i>	1_	
1	Alterations to existing sanitary sewers - Allowance					1.	
	The state of the s	· <del>  </del>	LS	. \$	10,000.00	\$	10,00
02550	Gas Piping						
1	Gas main; relocated					Т	
2	( X-Cost ) Connections to existing gas mains	109	LF	\$	75.00	15	8,17
3	Gas meters	1	EA	\$	5,000.00	\$	5,00
	10001101010	<u></u>	EΑ	\$	3,000.00	s	3,00
02580	Clés Printed and the second					- 1 ×	
1	Slite Electrical and Telephone	<u>.</u>				-	·
2	Electrical feeder to new transformer; relocated	150	LF		100.00	ŝ	15,00
	(X-Cost ) Connections to existing feeders inside existing manhole	1	ĒA	1 \$	5,000.00	<del>ゞ</del>	5,00
3	Electrical feeder from new transformer to building	39	LF		100.00	1:	
4	Install 300 Kva Utility Transformer FBO	1	LS		8,000.00	\$	3,90
				· <del>  **-</del>	2,000,00	1.3	8,00
	Site Demolition	·	·	<del></del>		<del> </del> -	
11	Allow for removing / alteration of existing utilities		LS		00.0=====	1.5	
			LO	- \$	30,000.00		
		SUB-TOTAL		\$	<del></del>	\$	
02600	DRAINAGE AND CONTAINMENT	QUANTITY	UNIT	<del>, ,</del>		3	86,72
02630	Storm Drainage	GOARINI	UNIT	+	NIT PRICE	_	AMOUNT
1	Storm drains, CPP; 4" diameter			[			
2	Storm drains; CPP; 6" diameter-	60	LF	\$	35.00	8	2,10
3	( X-Cost ) Cleanoute	201	LF	. \$	50.00	\$	10,05
4	Storm drains; CPP; 12" diameter	2	LF	. \$	50.00 261.00	\$	52
5	( X-Cost ) Connections to existing manholes	660	LF	\$	125.00	\$	82,50
	(2) Goot / Gotting to existing mannoies	1	EA	\$	1,000.00	\$	1,000
6	(X-Cost ) Connections to sulative					<u> </u>	.,,,,,,,
<del></del>	( X-Cost ) Connections to existing combined sewers; in public street	1	EA	\$	5,000.00	s	5,000
	and the second s			- \$	-	\$	
02700	-Majida - Till - Taba - Tilda	SUB-TOTAL				3	101,172
	I DAGEN, HOLLDYIM DAVENIENT ANN ABBURTANIAN AF						THE THE
02740	BASES, BALLASTS, PAVEMENT AND APPURTENANCES	QUANTITY	UNIT	U	NIT PRICE	<u> </u>	AMOUNT
02740	Flexible Pavement		UNIT	7 0	NIT PRICE	Ť	AMOUNT
1	Fiexible Pavement Asphalt pavement @ parking lots	33,188	UNIT	\$			
	Flexible Pavement		SF_	\$	3.50	s	116,15
2	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands	33,188					116,156
1 2 02750	Flexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement	33,188	SF_	\$	3.50		116,156
1 2 02750 1	Fiexible Pavement Asphalt pavement @ parking lots ( X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk	33,188 1,287	SF SF	\$	3,50 3,50		118,156 4,508
1 2 02750 1 2	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramos	33,188 1,287 7,181	SF SF	\$	3.50 3.50 4.50		116,156 4,508 32,226
1 2 02750 1 2 3	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs	33,188 1,287 7,181 265	9F 8F SF SF	\$ \$ . \$	3.50 3.50 4.50 500.00		118,156 4,508 32,226 142,500
1 2 02750 1 2 3 4	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street	33,188 1,287 7,181 265 5	SF SF SF SF EA	\$	3,50 3,50 4,50 500,00 500,00		118,156 4,508 32,226 142,500 2,500
1 2 02750 1 2 3 4 5	Flexible Pavement Asphelt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad	33,188 1,287 7,181 265 5 8,350	SF SF SF SF EA SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50		118,150 4,500 32,226 142,500 2,500 37,576
1 2 02750 1 2 3 4 6 6 6	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps @ curbs (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad	33,188 1,287 7,181 265 5 8,350 788	SF   SF   SF   SF   EA   SF   SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50 8,00		118,156 4,508 32,228 142,500 2,500 37,578 6,304
1 2 02750 1 2 3 4 5	Flexible Pavement Asphelt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad	33,188 1,287 7,181 265 5 8,350 768 439	SF SF SF EA SF SF SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50 8,00 8,00		118,156 4,508 32,228 142,500 2,500 37,578 8,304
1 2 02750 1 2 3 4 5 6 7	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps @ curbs (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad	33,188 1,287 7,181 265 5 8,350 788	SF   SF   SF   SF   EA   SF   SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50 8,00		118,156 4,508 32,228 142,500 2,500 37,578 8,304 3,512
1 2 02750 1 2 3 4 6	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ dumpster pad	33,188 1,287 7,181 265 5 8,350 768 439	SF SF SF EA SF SF SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50 8,00 8,00		32,226 142,500 2,500 37,570 3,512
1 2 02750 1 2 3 4 6 6 7	Flexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbs and Gutters	33,188 1,287 7,181 285 5 8,350 788 439 64	SF   SF   SF   SF   SF   SF   SF   SF	\$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00	<b>5 5 5 5 5 5 6</b>	118,150 4,500 32,226 142,500 2,500 37,576 8,304 3,512
1 2 02750 1 2 3 4 6 6 7 7 02770	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ dumpster pad	33,188 1,287 7,181 265 5 8,350 768 439	SF SF SF EA SF SF SF	\$ \$ . \$	3,50 3,50 4,50 500,00 500,00 4,50 8,00 8,00	<b>5 5 5 5 5 5 6</b>	118,150 4,500 32,220 142,500 2,500 37,576 6,304 3,512
1 2 02750 1 2 3 4 6 6 7	Flexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbs and Gutters	33,188 1,287 7,181 285 5 8,350 788 439 64	SF   SF   SF   SF   SF   SF   SF   SF	\$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00	<b>5 5 5 5 5 5 6</b>	118,156 4,508 32,226 142,500 2,500 37,576 6,304 3,512
1 2 02750 1 2 3 4 4 5 5 6 7 02770 1	Fiexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps @ curbs (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbe and Gutters  Concrete @ curbs	33,188 1,287 7,181 285 5 8,350 788 439 64	SF   SF   SF   SF   SF   SF   SF   SF	\$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00	<b>5 5 5 5 5 5 6</b>	118,150 4,500 32,220 142,500 2,500 37,576 6,304 3,512
1 2 02750 1 2 3 4 6 6 7 02770 1	Flexible Pavement Asphalt pavement @ parking lots (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps @ curbs (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbe and Gutters  Concrete @ curbs	33,188 1,287 7,181 265 5 8,350 788 439 64	SF   SF   SF   SF   SF   SF   SF   SF	\$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00	<b>5 5 5 5 5 5 6</b>	118,156 4,508 32,226 142,500 2,500 37,576 6,304 3,512
1 2 02750 1 2 3 4 4 5 6 7 7 02770 1 1 02765 1	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk, in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings: parking bavs	33,188 1,287 7,181 285 5 8,350 788 439 64	SF   SF   SF   SF   SF   SF   SF   SF	\$ \$ \$ \$ \$ \$	3.50 3.50 4,50 500.00 500.00 4,50 8.00 8.00 8.00	65 55 55 55 55 55 55 55 55 55 55 55 55 5	32,226 142,500 2,500 37,576 6,304 3,512 512
1 2 02750 1 2 3 4 5 5 7 7 02770 1 1 02785 1 2	Flexible Pavement Asphelt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk, in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transformer pad  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays  Parking lot markings; ADA symbols	33,188 1,287 7,181 265 5 8,350 788 439 64	SF SF SF EA SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,15( 4,50) 32,22( 142,50( 2,50( 37,57) 8,304 3,512 512
1 2 2 3 4 6 6 7 7 02770 1 1 02785 1 2 3 3	Flexible Pavement Asphelt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loeding pad Concrete @ loeding pad Concrete @ transformer pad  Curbe and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; hatched areas	33,188 1,287 7,181 285 5 8,350 788 439 64 1,131	SF SF SF EA SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.60 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,15( 4,50( 32,22( 142,50( 2,50( 37,57( 6,304 3,51( 512 11,310
1 2 02750 1 2 3 4 6 6 7 02770 1 1 02785 1 2 3 4 4	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transfolmer pad  Concrete @ transfolmer pad  Concrete @ curbs  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays  Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas  Parking lot markings; crosswalk hatched areas	33,188 1,287 7,181 285 5 8,350 788 439 64 1,131	SF SF SF EA SF SF SF SF LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32,226 142,500 2,500 3,512 512 11,310 1,035 2,10 17,831
1 2 2 3 4 4 5 6 7 02770 1 1 02788 1 2 3 4 4 5 5	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk, in public street Concrete @ sidewalk, in public street Concrete @ loading pad Concrete @ dumpster pad Concrete @ transformer pad  Curbs and Gutters Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; direction arrows	33,188 1,287 7,181 265 5 8,350 768 439 64 1,131	SF SF SF EA SF SF SF SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,156 4,506 32,226 142,500 2,500 37,578 6,304 3,512 512 11,310 1,035 210 17,631 1,944
1 2 02750 1 2 3 4 6 6 6 7 02770 1 02785 1 2 3 4 4	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transfolmer pad  Concrete @ transfolmer pad  Concrete @ curbs  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays  Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas  Parking lot markings; crosswalk hatched areas	33,188 1,287 7,161 265 5 8,350 768 439 64 1,131 69 6 3,918 432 7	SF SF SF EA SF SF SF SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 10.00 15.00 35.00 4.50 4.50 35.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,156 4,506 32,226 142,500 2,500 37,578 6,304 3,512 512 11,310 1,035 210 17,631 1,944 245
1 2 2 3 4 4 6 6 6 7 7 02770 1 1 02785 1 2 3 4 4 5 5 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrète @ sidewalk (X-Cost ) ADA ramps (X-Cost ) ADA ramps (X-Cost ) ADA ramps (Concrète @ sidewalk; in public street Concrète @ sidewalk; in public street Concrète @ loading pad Concrète @ dumpster pad Concrète @ transformer pad  Curbs and Gutters  Concrète @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas Parking lot markings; direction arrows Parking lot markings; direction arrows Parking lot markings; stop bar	33,188 1,287 7,181 265 5 8,350 768 439 64 1,131	SF SF SF EA SF SF SF SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,156 4,506 32,226 142,500 2,500 3,512 512 11,310 1,035 210 17,631 1,944
1 2 2 3 4 4 6 6 7 7 02770 1 1 02785 1 2 3 4 4 5 5 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loeding pad Concrete @ loeding pad Concrete @ transformer pad  Curbs and Gutters  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas Parking lot markings; direction arrows Parking lot markings; stop bar  Athletic and Recreational Surfaces	33,188 1,287 7,161 265 5 8,350 768 439 64 1,131 69 6 3,918 432 7	SF SF SF EA SF SF SF SF SF SF SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 10.00 15.00 35.00 4.50 4.50 35.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,156 4,506 32,226 142,500 2,500 37,578 6,304 3,512 512 11,310 1,035 210 17,631 1,944 245
1 2 2 3 4 4 6 6 7 7 02770 1 1 02785 1 2 3 4 5 6 6 6 6 6 6 7 7 0 6 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7 0 7	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps (Curbs Concrete @ sidewalk; in public street Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ transformer pad  Curbs and Gutters  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; parking bays Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces  Fitness trail and associated areas ( Phase 1)	33,188 1,287 7,181 265 5 8,350 788 439 64 1,131 69 6 3,918 432 7 23	SF SF SF SF SF SF SF SF SF LF  LF  EA EA EA SF SF EA LF	***	3.50 3.50 3.50 500.00 500.00 4.50 8.00 8.00 10.00 15.00 35.00 4.50 35.00 3.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,15i 4,50i 32,22ë 142,50c 2,50c 37,57ë 6,304 3,512 512 11,310 1,035 210 17,831 1,944 245 87
1 2 2 3 4 4 6 6 7 7 02770 1 1 02785 1 2 3 4 4 5 5 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost ) ADA ramps (Curbs Concrete @ sidewalk; in public street Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ transformer pad  Curbs and Gutters  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; parking bays Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces  Fitness trail and associated areas ( Phase 1)	33,188 1,287 7,181 265 5 8,350 768 439 64 1,131 69 6 3,918 432 7 23	SF SF SF EA SF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00 4.50 35.00 4.50 35.00 35.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	118,156 4,506 32,226 142,500 2,500 37,578 6,304 3,512 512 11,310 1,035 210 17,631 1,944 245
1 2 2 3 4 6 6 7 7 02770 1 1 2 3 4 4 5 5 6 8 02790 1 1	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transfolmer pad  Curbs and Gutters  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; parking bays Parking lot markings; cosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces Fitness trail and associated areas (Phase 1) Fitness trail and associated areas (Phase 2)	33,188 1,287 7,161 265 5 8,350 768 439 64 1,131 69 6 8 3,916 432 7 23 7,601 3,415	SF S	***	3.50 3.50 3.50 500.00 500.00 4.50 8.00 8.00 10.00 15.00 35.00 4.50 35.00 3.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	116,156 4,506 32,226 142,500 2,500 37,576 6,304 3,512 512 11,310 1,035 210 17,831 1,944 245 87
1 2 2 3 4 4 5 6 7 02770 1 1 02788 1 2 3 4 4 5 6 8 02790 1 2 02790 1 1 2 02790 1 1 2 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 2 0 02790 1 1 1 2 0 02790 1 1 1 2 0 02790 1 1 1 2 0 02790 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk in public street Concrete @ sidewalk in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transformer pad  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces  Fitness trail and associated areas ( Phase 1 ) Fitness trail and associated areas ( Phase 2 ) Playground area ( Phase 2 )	33,188 1,287  7,161 265 5 8,350 768 439 64  1,131  69 6 3,916 432 7 23  7,601 3,415 1,866	SF S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00 4.50 35.00 4.50 35.00 35.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	116,156 4,505 32,226 142,500 2,500 37,578 8,304 3,512 512 11,310 1,035 210 17,631 1,944 245 87
1 2 2 3 4 4 5 6 7 02770 1 1 02785 1 2 3 4 4 5 5 8 02790 1 2 3 3 4 5 5 8 02790 1 1 2 3 3 3 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost) Curb Islands  Rigid Pavement Concrete @ sidewalk  (X-Cost) ADA ramps @ curbs Concrete @ sidewalk; in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transfolmer pad  Curbs and Gutters  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; parking bays Parking lot markings; cosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces Fitness trail and associated areas (Phase 1) Fitness trail and associated areas (Phase 2)	33,188 1,287 7,161 265 5 8,350 768 439 64 1,131 69 6 8 3,916 432 7 23 7,601 3,415	SF S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 10.00 15.00 35.00 4.50 4.50 35.00 3.50 3.50 3.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	116,156 4,505 32,226 142,500 2,500 37,575 8,304 3,512 512 11,310 1,035 210 17,631 1,944 245 81
1 2 2 3 4 4 5 6 7 02770 1 1 02785 1 2 2 3 4 4 5 6 8 02790 1 1 2 2 3 3 4 4 5 6 8 02790 1 1 2 2 3 3 5 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	Flexible Pavement Asphalt pavement @ parking lots  (X-Cost ) Curb Islands  Rigid Pavement Concrete @ sidewalk, (X-Cost ) ADA ramps @ curbs Concrete @ sidewalk in public street Concrete @ sidewalk in public street Concrete @ loading pad Concrete @ loading pad Concrete @ transformer pad  Curbs and Gutters  Concrete @ curbs  Flexible Pavement Coating and Microsurfacing Parking lot markings; parking bays Parking lot markings; ADA symbols Parking lot markings; crosswalk hatched areas Parking lot markings; crosswalk hatched areas Parking lot markings; stop bar  Athletic and Recreational Surfaces  Fitness trail and associated areas ( Phase 1 ) Fitness trail and associated areas ( Phase 2 ) Playground area ( Phase 2 )	33,188 1,287  7,161 265 5 8,350 768 439 64  1,131  69 6 3,916 432 7 23  7,601 3,415 1,866	SF S	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.50 3.50 4.50 500.00 500.00 4.50 8.00 8.00 8.00 10.00 15.00 35.00 4.50 35.00 3.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	116,156 4,505 32,226 142,500 2,500 37,578 8,304 3,512 512 11,310 1,035 210 17,631 1,944 245 87

### WORLD OF INQUIRY SCHOOL # 58





02800 02820	SITE IMPROVEMENTS AND AMENITIES	QUANTITY	UNIT	UNIT PRICE	A U Su Cu
UZ <b>UZU</b>	Fences and Gates			ONLI PRICE	AMOUN
2	Chain link fence; 6' high	679	LES GOL	\$ 40.00	***************************************
3	Decorative fence	587	LF	70.00	\$ 27
4	( X-Cost ) Gates	2	EA	7	
	(X-Coat ) Fence pliasters	4 /13	EA	\$ 1,000,00 \$ 2,000.00	\$ 2
02830	Potest lie - Maria			2,000.00	
1	Retaining Walls			2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
- 18 Carlo	A STATE OF THE STA	240	LF	\$ 650.00	\$ 158
	A CONTROL OF CONTROL OF THE PROPERTY OF THE PR	120 国行政政务部件	alika ya ya Mara	\$ 2	\$ 100,
02900	PLANTING	SUB-TOTAL	A TO SHALL WE KNOW	A. J. B.N. Settle	285
02900	Landscaping	QUANTITY	DOMESTIC OF	UNIT PRICE	AMOUNT
est <b>f</b> ýrost, fr	Planting areas	A STATE OF SECURE SECURE		Company Sangakata	wyning la
2	Community garden area	6,134	SF	\$ 1.00	\$ 6,
3	Planters	2,398	SF "	\$ 1.00	\$ 2
4	Trees; daciduous; BB; 2° cal.	497	SF SF	\$ 5.00	\$ 2,
5	Shrubs, 18"	36	EA		\$ 21,
6	Shrubs; 18" - 24"	82	EA	\$ 30.00	\$ 2,
7	Shrubs; 24*	85	EA	\$ 35.00	\$ 2
8	Shrubs; 36*	108	EA	\$ 40.00	\$ 4,
9	Shruba: 48°	60	EA	\$ 45.00	\$ 2,
10	Perennials; clumps	- 6	EA	\$ 55.00	<b>(\$</b> ) (4 )
11	Grasaes; clumpa	170	EA	\$ 35.00	\$ 5,
12	(ridation eyeram (Allowantar)	179	EA	\$ 35.00	\$ 6,2
			A 184	\$50,000.00	
		SUB-TOTAL		🍇 - 196 Butu	\$
		SUB-TOTAL	f 7		\$ 106,

### WORLD OF INQUIRY SCHOOL # 58





9/12/2011 SCHEMATIC ESTIMATE REVISION 1 BUILDING TYPE : RESIDENTIAL .. INDUST. 22 EDUCATIONAL ROJECT TYPE : NEW CONSTRUCTION ADDITION RENOVATION WORLD OF INQUIRY SCHOOL # 58 ROCHESTER JOINT SCHOOL CONSTRUCTION BOARD ROCHESTER, NEW YORK 14821 LOCATION: A/E: CJ ARCHITECTURE PROJECT AREA (SF): LOCATION: PROJECT #: A/E: TOTAL AREA TEST SOLDER ¿ COST/SF AMOUNT . COST/SF AMOUNT SECTION / SYSTEM COST / SF AMOUNT COSTISE 57 57 012 14 4 4 4 1 1 6 6 1414 902 Site Improvements Athletic Facilities 52,012 1.80 1,414,903 1,468,918 11.37 11.79 FOUNDATIONS 1534 901360 1923,27.78 90),360 \$ 901,360 1 1 24 Structurel Foundations SUPERATRUST LINES 12/17/21/10 | **1**2/2/21/09 THE 200 BUT 18 /5: 32 125 1 619 00 H 7 12 1 1 1 1 Superstructure 1,217,218 \$ 37,46 1,613,039 EXTERIOR CLOSURES SALES 1024468 (17.67.67 1557271063277 1/10 21:70 14,67 10.30 7.08 Exterior Walt 476,772 804,353 8.76 8.72 0.20 1,281,125 681,158 Windows and Glazed Walls 79,253 801,905 Doors and Frames 0.97 18,200 494,944 3.98 INTERIOR CONSTRUCTION 1 570 325 ASAT E 22 4713 744 4.266.046 444 321,098 342,054 3.49 3.72 Paritions Interior Doors 795,752 127,817 8.08 3.93 0.87 Stair Construction 82.750 1.01 0.97 Stair Finishes 10 Wall Finishes 11 4.80 158.885 690,171 6.82 849,056 Floor Finishes 640,400 6.97 13 Cailing Finishes 6.82 816,142 6.56 VERTICAL MOVEMENTS V 100 Market Market Elevetors and Lifts 217,000 \$ 3.70 UNBONG 284 102 751992 6.33 Domestic Water Distribution Piping Hot Water Supply - Generation 15 16 120,272 32,508 1.05 0.47 1.00 26,403 0,28 3.54 57,909 Plumbing Fixtures 325,542 440,613 3.54 18 Sanilery Piping 0.60 166,924 1,63 1.64 203,177 Storm Water Riser Piping 203,649 计多用字字 1,324,294 40.7A 3/748/388 4076 E 40 78 8,070,681 Heating System Types 20 21 Cooling System Types
Heating / Cooling Systems
Exhaust Ventilation Systems 22 1,324,294 40.74 3,746,386 40.75 6,070,681 40.76 24 HVAC Controle - ... **1911 1919** 8.40 SPRINKLER SYSTEMS \$ 608,827 8 . . . 8 . 8 . 8 . 8 14 033 119 25 26 Fire Sprinkler System Types 6.90 6.62 633,118 6.70 Standpipe and Hose System 24 10 3 ELECTRICAL DISTRIBUTION 8 3 817 J12 120 120 14 \$ 2 002 619 2270 2,000,031 23 39 **Building Service** Branch Panek Interior Lighting 29 30 291,690 6.97 711,321 7.74 1,003,011 8.08 Exterior Lighting ____ Exit Signs 31 32 Power and Outlets 525,622 18.17 1,381,298 15.03 15.32 35 Emergency Power ...... .: 48、11430 COMMUNICATIONS (8) 1 143,004 404,878 12.44 12.44 44.4 **美国教育** 545,279 12.44 Communication and Security Systems 348,081 795,823 3.79 8.66 34 1,200,198 \$ 9.65 12 CED FURNISHINGS 107.614 23.81 \$ ... 2,111,407 8 2.879.081 B 23.14 38 Fixed Furnishings \$ 767,614 \$ 23.61 2,111,467 22.97 \$ 2,879,081 .**\$**..__. \$ 23.14 100 Jahre ADA TERRETARIA DE PROPERTORIA DE PROPERTORIA DE PROPERTORIA DE PROPERTORIA DE PROPERTORIA DE PROPERTORIA DE P • f 39 ADA Upgrades \$ · 140% WING ELLANGOUS sun since 116 2 16 Below in this section 40 Miscellaneous Building Code <u>\$___-</u> 573 102 ALTERATION 129 546 \$ 307,064 \$ 307,084 \$ 450 3.00 \$ 1 127 278 \$ 12.28 247 1 564/188 \$ 12.67. 41 **\$ 129,848 \$ 3.99** \$ 1,127,273 \$ 12,26 \$ 2.47 \$ 1,564,185 \$ 12.57 BUILDING SUB-TOTAL 6,873,869 \$ 272.99 \$ 16,337,913 \$ 177.72 1,721,967 S 13.84 \$ 26,933,549 \$ 216,45 10 TEMPORARY FACILITIES **1**11022 CU's and Other Temporary Facilities

### WORLD OF INQUIRY SCHOOL # 58



"UNIFORMAT" SYSTEM ANALYSIS OF CONSTRUCTION COST

ASE:	201511120						<del></del>				9/12/
ILDING TYP	SCHEMATIC ESTIMATE REVIS	ION 1						<u>·</u>			
		FOUCATIONAL									¬· ———
			· ·								
JECT TYPE		· _		•		· .	<u></u>				
☐ NEW CON	ADDITION ADDITION	RENOVATION		·	·····		~				
				<u> </u>							
OJECT: PLOYER:	WORLD OF INQUIRY SCHOOL	# 68								·	
CATION:	ROCHESTER JOINT SCHOOL O ROCHESTER, NEW YORK 1482	ONSTRUCTIO	N BOARD	<b>N</b>							
E:	JCJ ARCHITECTURE	<del></del>	PROJECT ARE	A / GB.							
	LOCATION:		Constitution of ADDIT	ON 179:357 July 1	MCNT PRESERVE	Valuativi (EStances	FIRST SPECIAL PROPERTY AND ADDRESS OF			- "	
DJECT # :	A/E:		TOTAL AREA	32,608	BLUMBER.	TO THE STATE OF	T KARAGARAN AND THE TOTAL OF A	APPENDING COM	TOTAL	MOUNT	
	<u> </u>							representation of the second	TOTAL AREA	124,435	
	SECTION / SYSTE	M	AMOUNT	COST/SF	AMOURT	COST/SF	AMOUNT	COST / SF	AMOUNT	/ COST/SE	
	MOVABLE SURVICIONE TO THE	av des acertaines		I automás designadas	N fortibalism properties	5	\$			1	COMMENT
43	Furniture	Carrier Casses Cass	S S	2 THE PARTY OF THE		- Trans.					
Sastanan				1 *	-	- <del></del>		<u> </u>	\$	\$ .	
	POLIFICATION OF A LIFE EXP	CTANCY OF							Names of the latest and the latest a	a Southern Company	
44	19 YEARS OR GREATER: ###					11					
			ļ•	<u> </u>	<u> </u>	\$ -	\$ -	\$ .	5	\$	·
	BUILDING + TEMP. FAC. SUB-T	OTAL	\$ 8,873,669	\$ 272.09	\$ 16,337,B13	\$ 177,72	2 1 1 1 1 1 1 1 1				
19	GENERAL CONDITIONS			<b>L</b>	A TANADA IN	V 154.12	\$ 1,721,967	13.84	\$ 26,933,549	8 216.45	
	SENERAL CONDITIONS	10.00% SUB-TOTAL	\$ 667,367	\$ 27,30	\$ 1,633,791	\$ 17.77	\$ 172,197	\$ 1.38	\$ 2,693,365	\$ 21.64	
		SOR-10 IAL	\$ 8,781,036	\$ 300.28	\$ 17,971,705	\$ 195.50	\$ 1,894,163	\$ 15.22	\$ 29,828,904		
20	CM FEES (YED)	0.00%	\$	2	E						
··		SUB-TOTAL	\$ 9,761,036	\$ 300.28	\$ 17,971,708	\$ 195.50	\$, 1,894,183	40.00	\$	\$	
21	ESCALATION	- A 7854				1,00.00	S' 1109# 109	\$ 15.22	\$ 29,626,904	\$ 238.0B	
		0.00% BUB-TOTAL	\$	\$		\$	\$	1	\$	i [	
		SUB-TOTAL	\$ 9,761,038	\$ 300.28	\$ 17,971,705	\$ 195.50	\$ 1,894,163	\$ 15,22	\$ 29,626,904		
22	DESIGN CONTINGENCY	10,00%	\$ 978,104	\$ 30,03	\$ 1,707,170	\$ 19.65	\$ 189,418	100 Sept. 101.102	C-1	1-/	
	Esperingstoff	SUB-TOTAL	\$ 10,737,139	\$ 330,31		\$ 218.05	\$ 2,063,579				
23	CONSTRUCTION CONTINUENT	0.00%				7 7 9 9 9 9	2 2,003,018	10.74	\$ 32,689,594	\$ 261.90	
			\$		-	1	\$	\$ -	*	├ <del>┲╸</del> ╌┈╺	<del></del>
ľ	TOTAL CONSTRUCTION COST (	EXCLUDING		ľ				<del></del>		· · · ·	
- 1	ESCALATION )		8 10.737.139	\$ 330.34	\$ 19 <u>,7</u> 68,875		\$ 2,083,579		\$ 32,589,594	i I	
										\$ 261.90	

### EXECUTIVE SUMMARY

Draft

Building More Than Buildings®

### CostAdvisor® for K-12

**EXECUTIVE SUMMARY** 

Project: Charlotte High School #102

Project Date: 5/19/2011

Scenario: Scenario 102

Project Type:K-12

Location: NY - Rochester

Report Date: 08/16/2011

Owner: Rochester City Schools

Program Manager: Tom Roger

Architect: CJS

COE Representative: Tom Roger

Gilbane Estimator: Tom Sieczkowski

Glibane:

lanager: I om Roger Gilba

Preconstruction Start Date: 08/01/2011

Construction Start Date:

07/01/2012

Construction End Date:

08/01/2013

### CONCEPTUAL MODEL COST SUMMARY

	SF	Cost	Cost/BGSF
New Construction Fit-Out:	0	<b>\$</b> 0	\$0.00
Renovation:	216,056	\$18,311,319	\$84.75
Total new / Reno Fit-Out (BGSF):	216,056	\$18,311,319	\$84.75
New Construction Core and Shell:		\$488,402	
Building Construction Total:		\$18,799,721	\$87.01
Sitework and Building Demolition:		\$1,295,129	Infinity
Total Conceptual Model Cost:		\$20,094,850	\$93.01
Construction Escalation to midpoint of construction:	4.91 %	\$943,599	included in cost

### SOFT COST SUMMARY

Group 100 - Professional Fees	% Cur Model Cost	Lump Sum	Cost/BGSF
CM- General Conditions (Field Office Support)	6.00 %	\$1,218,199	\$5.64
Architect Basic Services	9.00 %	\$1,827,298	\$8.46
Food Service consultant	0.25 %	\$50,758	\$0.23
GC/CM Pre-Construction Services	1.00 %	\$203,033	\$0.94
Geotechnical and Foundations Engineer	0.25 %	\$50,758	\$0.23

Report created on: 8/16/2011



### Draft

### **EXECUTIVE SUMMARY**

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Master Pian Consultant	2.00 %	\$406,066	\$1.88
Total for Group 100 - Profession:	al Fees Soft Cost Types:	\$3,756,113	\$17.38

Group 200 - Pre-Planning Costs	% Gur Model Cost	Lump Sum	Cost/BGSF
Master Plan Studies	0.20 %	\$40,607	\$0.19
Total for Group 200 - Pre-Plannin	g Costs Soft Cost Types:	\$40,607	\$0.19

Group 300 - Info Tech Sys/Apps	% Cur Model Cost	Lump Sum	Cost/BGSF
Computer network/hub equipment	0.20 %	\$40,607	\$0.19
Total for Group 300 - info Tech S	ys/Apps Soft Cost Types:	\$40,607	\$0.19

Group 400 - Equipment and Furnishings	% Cur Model Cost	Lump Sum	Cost/BGSF
Furniture & Furnishings	2.00 %	\$406,066	\$1.88
Food service equipment	2.00 %	\$406,066	\$1.88
	ent and Furnishings Soft Cost Types:	\$812.132 ·	

Group 500 - Owner's Project Costs	% Cur Model Cost	Lump Sum C	ost/BGSF
Bond issuance costs	2.00 %	\$406,066	\$1.88
Builder's Risk Insurance	0.10 %	\$20,303	\$0.09
	Owner's Project Costs Soft Cost Types:	\$426.370	\$1.97

Group 600 - Contingencies	% Cur Model Cost	Lump Sum	Cost/BGSF
Owner contingency	5.00 %	\$1,015,166	\$4.70
Total for Group 600 - Contin	gencies Soft Cost Types:	\$1,015,166	\$4.70

Group 700 - Escalation	% Cur Model Cost	Lump Sum	Cost/BGSF
Construction costs	3.00 %	\$609,099	\$2.82
T	otal for Group 700 - Escalation Soft Cost Types:	\$609,099	\$2.82

Soft Co	sts Total \$6,700,093 \$31.0	)1
(8).×		_

Soft Cost Escalation to thre	e months	prior to end of
		construction:

6.00 % \$379,198

included in cost

**Project Total Cost:** 

\$26,794,943

\$124.02

Report created on: 8/16/2011



Building More Than Buildings®

### CostAdvisor® for K-12

CONSTRUCTION COST SUMMARY (BY PROGRAM)

Project: Charlotte High School #102

Scenario:Scenario 102

Project Date:5/19/2011

Project Type:K-12

Cost/BGSF	\$ <b>7.</b>	3		45	\$54	<b>35</b>	<b>4</b> <b>5</b>	75.
Total Cost	\$682,307	\$8,358		\$12,858	\$26,251	\$84,432	\$369,338	\$33,751
Cand 5 \$				i,			-	
Reno Fit-out \$	\$682,307	\$8,358	O\$	\$12,858	\$26,251	\$84,432	\$369,338	\$33,751
New Fit-out \$	generals.			unifere treat d				
Reno Sift	\$76	\$54	\$0	\$54	\$54	\$54	\$54	\$54
Fit-out \$/ft	\$88	\$88	\$113	68\$	68\$	68\$	68\$	68\$
Int BOD	<b>a</b>	æ	В	8	8	В	8	89
RenoArea	8,990	156	0	240	490	1,576	6,894	630
NewArea RenoArea								
HS Custodial	Custodial, MEP Rooms, Storage, Shafts, El Ciosets Complete	Custodial, MEP Rooms, Storage, Shafts, El Closets Complete	Storage Closets	Custodial, MEP Rooms, Storage, Shafts, El Closets Complete	Custodial, MEP Rooms, Storage, Shaffs, El Closets Complete	Custodial, MEP Rooms, Storage, Shafts, El Closets Complete	Custodial, MEP Rooms, Storage, Shafts, El Closets Complete	Custodial, MEP Rooms, Storage, Shaffs, El Closets Complete



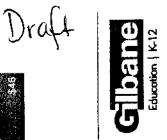
Report created on: 8/16/2011

Gilbaine Education | K-12

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<u> </u>	\$1,232,93	\$1,232,931				19,374	Totals for program:
96	\$15,63	\$15,636	62\$	\$65	Ð	966	Storage Interior Large

HS Circulation	NewArea	RenoArea	Int BOD	Fit-out \$/ft	Reno \$/ft	New Fit-out \$	New Fit-out \$ Reno Fit-out \$	CandS 5	Total Cost	CostiBGSF
Circulation Complete		2,374	8	\$83	0\$		\$0			
Circulation Complete		4,816	8	\$83	1.7\$		\$341,148		\$341,148	ij
Circulation Complete		1,799	8	\$83	1.7\$		\$127,435		\$127,435	\$25
Stairs per flight		253	В	22\$	\$46		\$11,747		\$11,747	346
Stairs per flight		1,078	В	2.1.\$	\$46		\$50,052		\$50,052	376
Circulation Complete		639	80	\$83	96\$		\$61,240		\$61,240	98
Circulation Corr no lockers		136	æ	\$83	\$71		\$9,634		\$9,634	Ē
Circulation Complete	<b>a</b>	1,328	8	\$83	\$50		\$66,403		\$66,403	S50
Circulation Complete		7,228	m	\$83	96\$		\$692,714		\$692,714	965
Circulation Corr with	-	1,690	В	\$101	\$86		\$145,366		\$145,366	985
Stairs per flight	444	479	В	22.5	\$46		\$22,240		\$22,240	**
Public Lobby		46	8	\$125	\$106		\$4,888		\$4,888	\$106
Stairs per flight		250	В	\$7.7	\$46		\$11,608		\$11,608	\$46
Stairs per flight	-	2,102	В	2.2\$	94\$		\$97,597		\$97,597	346
Circulation Complete	Ð	3,626	8	\$83	1.7\$		\$256,853		\$256,853	<b>5</b> ,
Circulation Complete	ei	4,493	8	£8\$	\$71	<i>.</i>	\$318,268		\$318,268	<b>:</b>
Stairs per flight		611	8	<i>11</i> \$	\$46	: Iq7 · -	\$28,369		\$28,369	346
Stairs per filght	April 1	261	8	2.2\$	\$46		\$27,719		\$27,719	\$48



Gilbane Education | K-12

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Circulation Corr with	2,925	8	\$101	98\$		\$251,596	 \$251,596
iocuci s							
Totals for program:	36,470				-	\$2,524,877	\$2,524,877
	I						

	\$712,186		\$712,186					39,880		Totals for program:	
\$23	\$391,715		\$391,715		\$29	\$65	8	13,294		Shell Space	
\$25	\$320,470		\$320,470		\$24	<del>\$</del>	æ	13,293		Interior Wall Footprint sf per bidg area	
			G _r		\$	\$5\$	<b>a</b>	13,293		Exterior Wall Footprint sf per bldg area	
			\$		0\$	O\$	O	0		Interior Wall Footprint sf per bidg area	
			<b>9</b>		0\$	9 <del>\$</del>	٥	0		Exterior Wall Footprint sf per bidg area	
			0\$		\$24	<b>3</b> 5	æ	0		Exterior Wall Footprint sf per bidg area	
Cost/BGSF	Total Cost	C and S \$	Reno Fit-out \$	New Fit-out \$	Reno S/ft	Fit-out \$/ft	Int BOD	RenoArea	NewArea	K12 Grossing factors	

					ral	+
Cost/BGSF	\$260	\$25	\$25	\$2\$	\$25	\$5
Total Cost	\$20,810	\$86,370	\$144,879	\$140,067	\$38,753	\$32,244
Candss			Ф		3	4
New Fib-out \$ Reno Fit-out \$	\$20,810	\$86,370	\$144,879	\$140,067	\$38,753	\$32,244
New Fit-out \$			-	ya tahar		
Reno Sift	\$260	\$253	\$253	\$253	\$253	\$132
Fit-out \$/ft	\$226	\$220	\$220	\$220	\$220	\$220
IntBOD	8	В	<b>a</b>	В	В	8
RemoArea Int BOD Fit-out \$/ft	98	341	572	553	153	244
NewArea						
HS Toilet Rooms NewArea	Toilets Single	Toilet Rooms Small ~10 Fix	Toilet Rooms Large	Toilet Rooms Large	Toilet Rooms Small	Toilet Rooms Large ~25 Fix



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286 B \$220 \$253 \$72,439 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$							
286         B         \$220         \$253         \$72,439           537         B         \$220         \$253         \$136,014	\$671,576	\$671,576				2,766	Totals for program:
286 B \$220 \$253 \$72,439 \$ 537 B \$220 \$2253 \$136,014 \$							VI J 63-
285 B \$220 \$253 \$72,439	\$136,014	\$136,014	<b>\$253</b>	\$220	•	537	Toilet Rooms Large
285 B \$220 \$253 \$77,439							A17 C2-
	\$72,439	\$72,439	\$253	\$220	m	285	Toilet Rooms Large

_										
	\$1,366,839		\$1,366,839					10,375		Totals for program:
\$137	\$9,721		\$9,721		\$137	\$119	ď	71		Admin Complete all shoools
5,	\$16,572		\$16,572		\$71	\$119	8	232		Admin Complete all shoois
\$137	\$900,873		\$900,873		\$137	\$119	ø	6,580		Admin Complete all shooks
\$137	\$172,234		\$172,234		\$137	\$119	<b>m</b>	1,258		Admin Complete all shcools
\$137	\$85,843		\$85,843		\$137	\$119	8	627		Admin Coπplete all shcools
6137	\$99,945		\$99,945		\$137	\$119	В	730		Admin Complete all shools
22	\$36,430		\$36,430		\$71	\$119	8	510		Admin Complete all shoofs
?	<b>4</b> 5,222		\$45,222		\$123	\$107	6	367		Staff Office
Cost/BGSF	Total Cost	CandSS	Reno Fit-out S	New Fit-out \$	Reno \$/ft	Fit-out \$/ft	Int BOD	RenoArea	NewArea	HS Administration
					The second second second		37.00 Syxxx 200 11.00 11.00			

,	HS Health/Nurse	NewArea	NewArea RenoArea Int BOD	Area Int BOD	Fit-out \$/ft	Reno \$fft	New Filtout S	Reno Fit-out \$	CandSS	Total Cost	Cost/BGSF
	Health /Nurse Complete		1,179	B .	\$137	\$157		\$185,630		\$185,630	\$157
	Exam Room		150	60	\$179	\$152		\$22,769	<b>31</b>	\$22,789	\$152
	Totals for program:		1,329					\$208,399		\$208,399	

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Cost/BGSF	\$116	7 4	\$192	Ë,	Ä	<b>!</b>
Total Cost	\$871,251	\$94,590	\$79,545	\$1,208,674	\$29,358	\$2,283,419
C and S S						
Reno Fit-out S	\$871,251	\$94,590	\$79,545	\$1,208,674	\$29,358	\$2,283,419
New Fit-out \$						
Reno \$/ft	\$116	\$43	\$192	\$111	<b>\$</b>	
Fit-out\$/ft	\$193	\$71	\$167	96\$	\$7.1	
Int BOD	<b>60</b>	6	U	œ	œ	
RenoArea	7,529	2,207	415	10,899	989	21,735
NewArea						
HS Physical Education	PE Locker/Shower Room	Gym Equip Storage	Showers/Toilets Only	Gymnasium 3 walls common	Gym Equip Storage	Totals for program:

	\$2,366,056	\$2,366,056					12,528		Totals for program:	
\$126	\$2,271,467	\$2,271,467	\$196		\$170	- Ф	11,602		Full Service Kitchen and Cafeteria Complete	
\$102	\$94,588	\$94,588	\$102		\$170	æ	976		Full Service Kitchen and Cafeteria Complete	
Cost/BGSF	Total Cost	Fit-out S/ft Reno S/ft New Fit-out \$ Reno Fit-out \$ Cand \$ \$	New Fit-out \$	Reno \$/ff		Int BOD	RenoArea	NewArea	HS Food Service NewArea RenoArea Int BOB	

 HS General Classrooms	NewArea	RenoArea Int BOD	Area Int BOD	Fit-out S/ft	Reno Siff	New Fit-out \$	Reno Sift New Fit-out \$ Reno Fit-out \$ Cand S.	Cand S S	Total Cost Cost
 General Classrooms		2,666	В	58\$	\$76		\$202,339		\$202,339
General Classrooms		4,009	В	\$89	\$103		\$411,656		\$411,656
General Classrooms		4,750	В	\$89	\$76		\$360,507		\$360,507

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1	\$3,709,493	\$3,709,493					46,082	r	Totals for program:
\$103	\$202,902	\$202,902		\$103	68\$	В	1,976		General Classrooms
\$76	135,351	\$275,351		\$76	68\$	В	3,628		General Classrooms
\$76	\$554,270	\$554,270	,	9.28	68\$	В	203		General Classrooms
\$76	\$197,026	\$197,026	- 13	\$76	58\$	В	2,596		General Classrooms
\$103	\$138,109	\$138,109	·	\$103	69\$	В	1,345		General Classrooms
\$76	\$490,517	\$490,517		\$76	58\$	В	6,463		General Classrooms
\$76	\$699,839	\$699,839		\$76	68\$	В	9,221		General Classrooms
\$103	\$60,172	\$60,172		\$103	68\$	В	989		General Classrooms
Ė	\$116,804	\$116,804		92\$	68\$	8	1,539		General Classrooms

New Fit-out \$ Cand S \$ Total Cost Cost BGSE	\$85,749	\$86,749
New Fit-out \$		
Reno S/ft	\$76	
Fit-out \$/ft	58\$	
Int BOD	8	
NewArea RenoArea Int BOD	1,143	1,143
NewArea		
K12 Music / Dance	Music Choral/Band Room	Totals for program:

1,502 B

HS Auditorium	NewArea	RenoArea	Int BOD	Fit-out \$/ft	Reno \$/ft	New Fit-out \$	Reno Fit-out 5	C and S &	Total Cost Cost/BGSF
ackstage Area		132	8	\$167	\$100	,	\$13,201		\$13,201

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\$1,674,487	\$1,674,487	\$1,67					10,966	Totals for program:
\$352,529	252,529	\$35	مثر ،	\$153	\$133	В	2,299	Auditorium Complete
\$1,308,757	\$1,308,757	\$1,30		\$153	\$133	В	953,8	Auditorium Complete

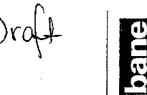
	\$169,340		\$169,340	,				2,789		Totals for program:
264	\$169,340		\$169,340		\$61	\$101	69	2,789		Library / Media Center Complete
										hnology
Cost/BGSF	Total Cost	Reno \$/ft New Fit-out \$ Reno Fit-out \$ Cand S.\$	Reno Fit-out \$	New Fit-out \$	Reno \$#	Fit-out \$7H	Int BOD	RenoArea	NewArea	Library/Media/Tec NewArea RenoArea Int BOD
					A CONTRACTOR OF THE PROPERTY O					HS

	•
rt Total Cost: \$18.311.319 216.056 216.056 Core and Shell Cost/SaFt:	teno Fit-out Total Cost: \$18,3
it Total Cost: \$0 0 0 \$488,402	New Fit-out Total Cost:

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Report created on: 8/16/2011



Education | K-12

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### John Williams School # 5

Located in the northeast zone, School No. 5 is a Pre K – 6 school with a current enrollment of approximately 550 students. It is the northwest LEAP school—a school for children whose native language is other than English—for the City School District. Constructed in 1926, this three-story building with a basement contains 124,924 square feet of building space. The building contains 46 general classrooms, most of which are smaller than today's standard. Core spaces within the building include a gymnasium with two teaching stations, cafeteria, a library media center, a fully equipped computer lab, a wireless lab, and computers in every classroom. The building does not have an auditorium, however a stage located in the gymnasium allows the gym to function as an auditorium/performing arts venue.

The proposed scope of work for this facility centers on the conversion from a Pre K - 6 school to a 3-strand (3 classrooms per grade level) Pre K - 8 facility. The proposed scope includes moderate to heavy renovations of approximately 102,000 square feet of existing space. This includes renovation of the kitchen, the main office/agency partner space, and the nurse's suite on the 1st floor; and renovation of the library and computer classroom. Reconfiguration and alteration of approximately 32,000 square feet of existing interior spaces will create two special education classrooms, an art room for 7th and 8th grade students, a band/chorus classroom, dedicated classroom space or occupational therapy/physical therapy, and two science classrooms/labs for grades 7 and 8.

The building sits on a 2.94 acre site that includes the building footprint, parking a playground, athletic field, baseball diamond, and a basketball court. Presently, the buses unload along Verona Street. In the proposed scope of work, a portion of Verona Street between Smith and Jay Streets will be acquired and the intersections of Verona and Smith Street at Jay Street will be modified to suit their new purpose as driveway curb cuts to the site. Proposed site work includes the addition of approximately 35 – 40 additional parking spaces on the southwest side of Verona Street on City of Rochester property to address the parking deficiency as the expected demand exceeds the number currently available on site.

Approximately \$2.4 million dollars in infrastructure work has been identified to repair and replace deficient and outdated systems in the school's physical plant. This work includes HVAC, plumbing and electrical upgrades; interior work, fire safety and emergency lighting, and handicapped accessibility items.

Master plan construction budget for #5 includes the following:

Renovation work \$16.78 million
Sitework \$0.95 million
Assumed Construction Total \$17.73 million

Schedule milestones for this project are as follows:

Start Program Verification 11/15/11 Start Schematic Design 2/15/12 Start Design Development 5/15/12 **Start Contract Documents** 8/15/12 Submit for SED Approval 1/15/13 Final SED Approval 3/15/13 Bid documents complete 3/28/13 Contract Award 5/15/13 Start Construction 7/1/13 Complete Construction 7/30/14 Complete Closeout 12/31/14

Assumed Design Phase Duration 14.5 months

### James P. B. Duffy School # 12

Located in the south zone, School No. 12 is a kindergarten through grade 6 school with a current enrollment of approximately 770 students. Constructed in 1971, this three-story building contains 95,337 square feet of building space. The building contains 40 general classrooms. Small learning environments were created through the use of a "cluster" design - open plan pods of four classrooms. The building does not have a gymnasium, auditorium, or school library. Located adjacent to a City Recreation Facility, the school shares the City's gymnasium and locker rooms for its physical education programs and sports programs; and the public library located at this site. Having a strong visual arts program, the building features a "cafetorium," a stage located in the cafeteria that allows the lunchroom to function as an auditorium/performing arts venue. Special academic programs offered include the Major Achievement Program (MAP) for grades 4 – 6, and the Spanish/English Dual Language enrichment program (HOLA) for grades K-6.

The proposed scope of work for this facility centers on its conversion from a K - 6 facility to a 4-strand (4 classrooms per grade level) K - 8 facility. The proposed scope includes alterations and renovations of approximately 95,000 square feet of existing interior space including the construction of new partitions to create separate classrooms. Interior rehabilitation work of the existing building includes the removal and replacement of interior finishes, doors; HVAC, plumbing and electrical system upgrades, and abatement of asbestos and asbestos containing materials. Exterior work includes complete window replacement, exterior doors, and rehabilitation of the existing brick masonry and concrete. Options for consideration to meet the model program needs of a K - 8 school include an addition of approximately 8,000 square feet to include the construction of four new 3-story stair towers and two one-story classroom additions, and construction of a one-story addition to infill the overhang area on the South Avenue side of the building, and construct corridor additions at the 2nd and 3rd floors along South Avenue that connect between two of the new stair towers.

The building sits on an 8.02 acre site that includes the building footprint, parking, a playground, athletic field, two baseball diamonds, and a basketball court. The buses unload at a bus loop located off the east face of the building on South Avenue. Adjacent to the school at the west location is Highland Park. The proposed scope of work includes expanding the existing parking lot to add approximately 30 - 35 additional parking spaces. Approximately 1.7 million dollars in infrastructure work has been identified to repair and replace deficient and outdated systems in the school's physical plant.

Master plan construction budget for #12 includes the following:

Renovation/addition work \$14.91 million
Sitework \$0.74 million
Assumed Construction Total \$15.65 million

Schedule milestones for this project are as follows:

Start Program Verification 11/15/11 Start Schematic Design 3/15/11 Start Design Development 7/15/12 **Start Contract Documents** 11/15/12 Submit for SED Approval 6/15/13 -Final SED Approval 8/15/13 Bid documents complete 10/28/13 Contract Award 12/15/13 Start Construction 7/1/14 Complete Construction 7/30/15 Complete Closeout 12/31/15

Assumed Design Phase Duration 23.5 months

### **Thomas Jefferson High School**

Located in the northwest area of Rochester, Thomas Jefferson High is a grades 7 through 12 school with a current enrollment of 936 students. Constructed in 1917, Jefferson is a four-story building with a basement, totaling 255,371 square feet in building area. The building sits on a 2.75 acre site; has parking, a track, football field, seven baseball/softball fields, four basketball courts and four tennis courts. The buses unload off the west face of the school in the parking lot off Bloss Street.

Jefferson was transformed into one high school comprised of three separate learning communities: Merchants of Dreams: School of Artistic Expression, Merchants of Hope & Inspiration: School of Entrepreneurial Studies and Applied Sciences, and Merchants of Inspiration: School of Sports and Health Sciences/Nursing. It offers the Newcomer Program, which focuses on intense English language acquisition for international students new to the United States, AVID, a full band and choir program, and an on-site Student Support Center.

The school contains 78 general classrooms, most of which meet today's standard. Common spaces include a cafeteria, two, two teaching station gymnasiums, a natatorium, auditorium and library. The proposed scope of work includes alterations and reconstruction to approximately 115,000 square feet of building area. Approximately \$7.2 million in infrastructure work has been identified to repair and replace deficient and outdated systems in the school's physical plant. Interior rehabilitation work includes the removal and replacement of interior finishes, doors, HVAC, infrastructure needs such as HVAC, plumbing and electrical systems and asbestos abatement. Exterior rehabilitation work includes window replacement, exterior door replacement, roof replacement, and masonry rehabilitation.

Site work includes the reconstruction and/or replacement of existing site elements including asphalt and concrete pavement and sidewalks, fencing, and other miscellaneous site elements.

Master plan construction budget for Thomas Jefferson HS includes the following:

Renovation work \$19.46 million
Sitework \$1.50 million
Assumed Construction Total \$20.96 million

Schedule milestones for this project are as follows:

Start Program Verification 11/15/11 Start Schematic Design 2/15/12 Start Design Development 5/15/12 Start Contract Documents 8/15/12 Submit for SED Approval 1/15/13 Final SED Approval 3/15/13 Bid documents complete 3/28/13 Contract Award 5/15/13 Start Construction 7/1/13 Complete Construction 7/30/14 Complete Closeout 12/31/14

Assumed Design Phase Duration 14.5 months

### James Monroe High School

Located in the northwest area of Rochester, James Monroe High School is a grades 7 through 12 United Nations School with a current enrollment of 1079 students. Constructed in 1921, Monroe is a four-story building with a basement totaling 274,087 square feet of area. The building sits on an 8.32 acre site, has parking, an athletic field and three tennis courts. The buses unload off the north face of the school at Alexander Street.

The school presently contains 69 general classrooms, most of which meet today's standard. Common spaces include a cafeteria, two, two teaching station gymnasiums, a pool, auditorium and library. It offers The Language Academy, an accelerated program designed for native Spanish speakers and English-speaking students interested in developing and excelling in Spanish; the Advancement Via Individual Determination (AVID) program, and the Bilingual Developmental Program, a full-day program for Spanish speakers who are English Language Learners and Former English Language Learners in Grades 7 and 8. The program is designed to provide instruction in Spanish and English in the content areas and ESOL services in a pull out and co-teaching model.

The proposed scope of work includes alterations and reconstruction to approximately 200,000 square feet of building area. Approximately \$3.9 million in infrastructure work has been identified to repair and replace deficient and outdated systems in the school's physical plant. Interior rehabilitation work includes stabilizing the floor structure, removal and replacement of interior finishes, doors, HVAC, plumbing, and electrical systems, and asbestos abatement. Exterior rehabilitation work includes window replacement, roof replacement, and masonry rehabilitation.

Proposed site work includes reconstruction and /or replacement of existing site elements including asphalt and concrete pavement and sidewalks, athletic fields, backstops, fencing, and other miscellaneous site improvements.

Master plan construction budget for James Monroe HS includes the following:

Renovation work \$22.00 million
Sitework \$1.50 million
Assumed Construction Total \$23.50 million

Schedule milestones for this project are as follows:

Start Program Verification 11/15/11 Start Schematic Design 3/15/12 Start Design Development 7/15/12 **Start Contract Documents** 11/15/12 Submit for SED Approval 6/15/13 -Final SED Approval 8/15/13 Bid documents complete 10/28/13 Contract Award 12/15/13 Start Construction 7/1/14 Complete Construction 7/30/15 Complete Closeout 12/31/15

Assumed Design Phase Duration 23.5 months

### **East High School**

Located in the northeast area of Rochester, East High School's current enrollment is 1713 students in grades 7 through 12. Constructed in 1957, East is a three-story building comprised of 418,536 square feet of building area. The building sits on a 29.9 acre site, has parking, a track, football, soccer, baseball and softball fields, four tennis courts and an obstacle/ropes course. The buses unload in the bus loop off the at the north south face of the school at Main Street.

The school contains 100 general classrooms, most of which meet or exceed today's standard. Common spaces include a cafeteria, two teaching station gymnasium, auditorium and library. East is presently in the preliminary stages of becoming a large grades 9 – 12 high school with several small Learning Communities that will prepare students for college and careers after graduation. Students will choose their career pathway in 9th grade and take courses within a smaller school community for their final four years of high school. Beginning with the 2011-2012 school year, the five learning communities are:

- The Foundation Academy (7-8th Grades)
- o The Academy of Business Management and Finance (9-12th Grades)
- o The Academy of Humanities, Arts & Communication (9-12th Grades)
- The Academy of Environmental Sciences, Information Technology & Pre-Engineering (9-12th Grades)
- o The Academy of Human, Health & Public Services (9-12th Grades)

Approximately \$12 million of infrastructure work was identified through the 2010 Building Condition Survey. The proposed scope of work is driven by completing all infrastructure modernization focusing on the D and F wings of the school building and includes alterations and reconstruction to approximately 125,000 square feet of building area, Interior rehabilitation work including the removal and replacement of interior finishes, doors, HVAC, plumbing and electrical systems and asbestos abatement are proposed. Exterior rehabilitation work includes replacement of the original windows and curtain wall system, roof replacement, exterior door replacement, and masonry rehabilitation. Site work proposed includes the reconstruction and/or replacement of existing site elements including asphalt and concrete pavement and sidewalks, athletic fields, backstops, fencing, site lighting, and the removal and replacement of the antenna structure.

Master plan construction budget for East HS includes the following:

Renovation work \$18.64 million
Sitework \$1.20 million
Assumed Construction Total \$19.84 million

Schedule milestones for this project are as follows:

Start Program Verification 11/15/11 Start Schematic Design 2/15/12 Start Design Development 5/15/12 **Start Contract Documents** 8/15/12 Submit for SED Approval 1/15/13 Final SED Approval 3/15/13 Bid documents complete 3/28/13 Contract Award 5/15/13 **Start Construction** 7/1/13 Complete Construction 7/30/15 Complete Closeout 12/31/15

Assumed Design Phase Duration 14.5 months

### **Edison Educational Campus**

Located in the northwest area of Rochester, Edison Educational Campus was restructured for the 2010 – 2011 school year. Constructed in 1979, Edison is a five-story building with a basement consisting of 464,519 square feet of building area. The building sits on a 29.27 acre site, has 325 parking spaces, a track, football field, two baseball/softball fields and five tennis courts. The buses unload off the south face of the school in the parking lot off Colfax Street.

The school contains 149 general classrooms, most of which meet today's standard. Common spaces include a cafeteria, a two teaching station gymnasium, a natatorium, auditorium and library. The Edison Educational Campus houses Rochester S.T.E.M. (Science, Technology, Engineering, and Mathematics) High School for students in grades 9 – 12. Structured as three academies: the Academy of Engineering, Academy of Information Technology, and Academy of Medical Sciences; this high school provides small learning communities for its students. The Robert Brown School of Construction and Design is also housed on the Edison Campus.

Approximately \$15.8 million of infrastructure work is identified in the 2010 Building Condition Survey as being in need of repair or replacement. The proposed scope of work includes alterations and reconstruction to approximately 125,000 square feet of building area. Interior rehabilitation work includes structural rehabilitation of the post-tensioned concrete floor system, the removal and replacement of interior finishes, doors, HVAC, plumbing, and electrical systems, and asbestos abatement. Exterior rehabilitation work includes window replacement, roof replacement, exterior door replacement, and masonry rehabilitation. Proposed site work includes the reconstruction and/or replacement of existing site elements including asphalt and concrete pavement and sidewalks, retaining walls, athletic fields, backstops, fencing, and tennis courts, and other miscellaneous site amenities.

Master plan construction budget for Edison includes the following:

Renovation work \$20.90 million
Sitework \$1.30 million
Assumed Construction Total \$22.20 million

Schedule milestones for this project are as follows:

Start Program Verification	11/15/11
Start Schematic Design	2/15/12
Start Design Development	5/15/12
Start Contract Documents	8/15/12
Submit for SED Approval	1/15/13
<ul> <li>Final SED Approval</li> </ul>	3/15/13
Bid documents complete	3/28/13
Contract Award	5/15/13
Start Construction	7/1/13
Complete Construction	7/30/15
Complete Closeout	12/31/15

Assumed Design Phase Duration 14.5 months

### Appendix G

**Cost Savings Summary** 

Cost Savings	Amount Saved		
Regular Work Hours/Days	\$	223,793	
4 - 10 Hour Days	\$	642,255	
Industry Funds	\$	843,600	
Apprentice Ratio	\$	249,882	
Non Union Apprentices	\$	1,376,565	
Guaranteed Pay	\$	6,049	
Mileage and Parking	\$	258,645	
Offsite Fabrication	\$	307,536	
Enhanced Minority Workforce	\$	(352,247)	
Management Rights	\$	2,755,125	
Total Savings without 4-10s	\$	5,668,948	
Total Savings with 4-10s	\$	6,311,203	

Regulare Work Hours/Days

Productivity gain of 1 hour per person per crew per week for coordination of trades for 2 months per year for 3 years (2012, 2013, 2014) for the following crafts. 6 Months total.

	Workers per	<b>Hours per</b>	Weeks per						
Craft	Week	Week	Month	Months		Rate	Savings		
Electrician	78	1	4	6	\$	53.10	\$	99,403	
Plumbers	62	1	4	6	\$	50.54	\$	75,204	
Operators	9	1	4	6	\$	48.69	\$	10,517	
Laborers	43	1	4	6	\$	37.47	\$	38,669	
					Total Savings		\$	223,793	

4-10 Hour Days

4 - 10 Hr. Days - All Contractors Work 4 - 10's Project Length = 37 months

Utilized during summer months of construction (June, July, August) 3 months in 2012, 3 months in 2013, and 3 months in 2014. Increased productivity resulting from 1 less set up/clean up cycle per week per employee. Savings available regardless of union/non-union affiliation.

Workers per Week	Hours per Week	Weeks per Month	Months	A	Average Rate		
397	397 1		9	\$	44.97		
			Savings	s <b>\$</b>	642,255		

**Industry Fund** 

Industry Fund - Eliminate Contribution

Maximum Fund Contribution = \$2.09/hr.

Minimum Fund Contribution = \$0.00/hr.

Maximum savings = \$1,124,700 75% ADJ union/non-union = \$843,600.00

Round to: \$843,600

### TOTAL INDUSTRY FUND CONTRIBUTION BY CRAFT

	\$843,600							
	Percent Union/Non-Union							
	2,346,175		\$1,124,748					
Sprinkler Fitters	38,263	\$0.25	\$9,566					
Sheet Metal Workers	209,745	\$0.00	\$0					
Roofers	154,484	\$0.20	\$30,897					
Plumbers/Steamfitters	324,741	\$1.63	\$529,328					
Painters	113,412	\$0.10	\$11,341					
Operating Eng. (Bldg.)	51,424	\$0.10	\$5,142					
Laborers (Bldg.)	302,692	\$0.00	\$0					
Iron Workers	33,532	\$0.07	\$2,347					
Heat & Frost Insulators	38,271	\$0.10	\$3,827					
Glazers	64,191	\$2.09	\$134,159					
Electricians	386,059	\$0.33	\$127,399					
Carpenters (Bldg.)	369,934	\$0.00	\$0					
Bricklayers (Bldg.)	255,416	\$1.06	\$270,741					
Boilermakers	4,012	\$0.00	\$0					
Craft	Original Estimated Total Hours	Industry Fund Contribution per Hour	Total Estimated Cost					

Labor Cost Using Apprentice Ratios of 3:1 of Better

### LABOR COST USING APPRENTICE RATIOS PER AGREEMENTS

Craft	R	urneyman Rate \$/hr I. Benefits)	Apprentice Rate \$/hr (incl. Benefits)		Journeyman: Apprentice Ratio		Average Rate \$/hr per Crew	Estimated Total Hours per Craft	Craft % of Total Hours	Labor \$ per Craft
Boilermakers	\$	52.19	\$	44.62	3	1	\$50.30	4,012	0.2%	\$201,821
Bricklayers	\$	44.63	\$	26.78	3	1	\$40.17	255,416	10.9%	\$10,259,426
Carpenters	\$	38.91	\$	22.67	2	1	\$33.50	369,934	15.8%	\$12,391,293
Electrical Workers	\$	53.10	\$	35.65	3	2	\$46.12	386,059	16.5%	\$17,805,043
Glaziers	\$	39.45	\$	29.83	1	1	\$34.64	64,191	2.7%	\$2,223,567
Heat & Frost Insulators	\$	43.77	\$	34.89	3	1	\$41.55	38,271	1.6%	\$1,590,179
Iron Workers	\$	46.96	\$	31.47	4	1	\$43.86	33,532	1.4%	\$1,470,781
Laborers	\$	37.47	\$	26.23	3	1	\$34.66	302,692	12.9%	\$10,491,289
Operating Engineers	\$	48.69	\$	37.63	3	1	\$45.93	51,424	2.2%	\$2,361,634
Painters	\$	39.26	\$	21.22	3	1	\$34.75	113,412	4.8%	\$3,941,058
Plumbers & Steamfitters	\$	50.54	\$	31.62	4	1	\$46.76	324,741	13.8%	\$15,183,600
Roofers	\$	40.77	\$	29.67	3	1	\$38.00	154,484	6.6%	\$5,869,602
Sheet Metal Workers	\$	48.97	\$	31.91	3	1	\$44.71	209,745	8.9%	\$9,376,660
Sprinkler Fitters	\$	50.05	\$	34.99	1	1	\$42.52	38,263	1.6%	\$1,626,949
Totals								2,346,175	100.00%	\$94,792,900

Labor Cost Using Apprentice Ratios of 3:1 of Better

### LABOR COST USING APPRENTICE RATIOS OF 3:1 OR BETTER

Craft	ourneyman Rate \$/hr cl. Benefits)	Apprentice Rate \$/hr (incl. Benefits)		Journeyman: Apprentice Ratio		Average Rate \$/hr per Crew	Estimated Total Hours per Craft	Craft % of Total Hours	Labor \$ per Craft
Boilermakers	\$ 52.19	\$	44.62	3	1	\$50.30	4,012	0.2%	\$201,821
Bricklayers	\$ 44.63	\$	26.78	3	1	\$40.17	255,416	10.9%	\$10,259,426
Carpenters	\$ 38.91	\$	22.67	2	1	\$33.50	369,934	15.8%	\$12,391,293
Electrical Workers	\$ 53.10	\$	35.65	3	2	\$46.12	386,059	16.5%	\$17,805,043
Glaziers	\$ 39.45	\$	29.83	1	1	\$34.64	64,191	2.7%	\$2,223,567
Heat & Frost Insulators	\$ 43.77	\$	34.89	3	1	\$41.55	38,271	1.6%	\$1,590,179
Iron Workers	\$ 46.96	\$	31.47	3	1	\$43.09	33,532	1.4%	\$1,444,811
Laborers	\$ 37.47	\$	26.23	3	1	\$34.66	302,692	12.9%	\$10,491,289
Operating Engineers	\$ 48.69	\$	37.63	3	1	\$45.93	51,424	2.2%	\$2,361,634
Painters	\$ 39.26	\$	21.22	3	1	\$34.75	113,412	4.8%	\$3,941,058
Plumbers & Steamfitters	\$ 50.54	\$	31.62	3	1	\$45.81	324,741	13.8%	\$14,876,395
Roofers	\$ 40.77	\$	29.67	3	1	\$38.00	154,484	6.6%	\$5,869,602
Sheet Metal Workers	\$ 48.97	\$	31.91	3	1	\$44.71	209,745	8.9%	\$9,376,660
Sprinkler Fitters	\$ 50.05	\$	34.99	1	1	\$42.52	38,263	1.6%	\$1,626,949
Totals							2,346,175	100.00%	\$94,459,725
								\$333,176	
							Percent U	nion/Non-Union	75%
								\$249,882	

Non Union Labor Cost Using Apprentice Ratios of 3:1 or Better

### NON UNION LABOR COST USING NO APPRENTICES

Craft	Ra	rneyman te \$/hr Benefits)	Apprentice Rate \$/hr (incl. Benefits)	Appr	eyman: entice atio	Average Rate \$/hr per Crew	Est. Total Hours per Craft	Non Union Estimated Total Hours per Craft	Craft % of Total Hours	Labor \$ per Craft
Boilermakers	\$	52.19	\$44.62	3	0	\$52.19	4,012	1,003	0.2%	\$52,353
Bricklayers	\$	44.63	\$26.78	3	0	\$44.63	255,416	63,854	10.9%	\$2,849,805
Carpenters	\$	38.91	\$22.67	2	0	\$38.91	369,934	92,483	15.8%	\$3,598,528
Electrical Workers	\$	53.10	\$35.65	3	0	\$53.10	386,059	96,515	16.5%	\$5,124,934
Glaziers	\$	39.45	\$29.83	1	0	\$39.45	64,191	16,048	2.7%	\$633,081
Heat & Frost Insulators	\$	43.77	\$34.89	3	0	\$43.77	38,271	9,568	1.6%	\$418,785
Iron Workers	\$	46.96	\$31.47	4	0	\$46.96	33,532	8,383	1.4%	\$393,666
Laborers	\$	37.47	\$26.23	3	0	\$37.47	302,692	75,673	12.9%	\$2,835,463
Operating Engineers	\$	48.69	\$37.63	3	0	\$48.69	51,424	12,856	2.2%	\$625,955
Painters	\$	39.26	\$21.22	3	0	\$39.26	113,412	28,353	4.8%	\$1,113,136
Plumbers & Steamfitters	\$	50.54	\$31.62	4	0	\$50.54	324,741	81,185	13.9%	\$4,103,105
Roofers	\$	40.77	\$29.67	3	0	\$40.77	154,484	38,621	6.6%	\$1,574,574
Sheet Metal Workers	\$	48.97	\$31.91	3	0	\$48.97	209,745	52,436	9.0%	\$2,567,806
Sprinkler Fitters	\$	50.05	\$34.99	1	0	\$50.05	38,263	9,566	1.6%	\$478,768
Totals							2,342,163	585,541	100.00%	\$26,317,606

Non Union Labor Cost Using Apprentice Ratios of 3:1 or Better

### NON UNION LABOR COST USING APPRENTICE RATIONS OF 3:1 OF BETTER

Craft	Ra	neyman te \$/hr Benefits)	Apprentice Rate \$/hr (incl. Benefits)	Appr	eyman: entice ntio	Average Rate \$/hr per Crew	Est. Total Hours per Craft	Non Union Estimated Total Hours per Craft	Craft % of Total Hours	Labor \$ per Craft
Boilermakers	\$	52.19	\$44.62	3	1	\$50.30	4,012	1,003	0.2%	\$50,455
Bricklayers	\$	44.63	\$26.78	3	1	\$40.17	255,416	63,854	10.9%	\$2,564,856
Carpenters	\$	38.91	\$22.67	2	1	\$33.50	369,934	92,483	15.8%	\$3,097,823
Electrical Workers	\$	53.10	\$35.65	3	2	\$46.12	386,059	96,515	16.5%	\$4,451,261
Glaziers	\$	39.45	\$29.83	1	1	\$34.64	64,191	16,048	2.7%	\$555,892
Heat & Frost Insulators	\$	43.77	\$34.89	3	1	\$41.55	38,271	9,568	1.6%	\$397,545
Iron Workers	\$	46.96	\$31.47	3	1	\$43.09	33,532	8,383	1.4%	\$361,203
Laborers	\$	37.47	\$26.23	3	1	\$34.66	302,692	75,673	12.9%	\$2,622,822
Operating Engineers	\$	48.69	\$37.63	3	1	\$45.93	51,424	12,856	2.2%	\$590,408
Painters	\$	39.26	\$21.22	3	1	\$34.75	113,412	28,353	4.8%	\$985,264
Plumbers & Steamfitters	\$	50.54	\$31.62	3	1	\$45.81	324,741	81,185	13.9%	\$3,719,099
Roofers	\$	40.77	\$29.67	3	1	\$38.00	154,484	38,621	6.6%	\$1,467,401
Sheet Metal Workers	\$	48.97	\$31.91	3	1	\$44.71	209,745	52,436	9.0%	\$2,344,165
Sprinkler Fitters	\$	50.05	\$34.99	1	1	\$42.52	38,263	9,566	1.6%	\$406,737
Totals							2,342,163	585,541	100.00%	\$23,564,476

For this Project crew sizes large enough to utilize apprentice ratios is estimated to be 50 percent of the total labor hours.

Non Union Labor Using No Apprentices	\$26,317,606
Non Union Labor Using Apprentices	\$23,564,476
Savings	\$2,753,130
Utilization Based on Site Activity	50%
Total Savings	\$1,376,565

Guaranteed Pay

3 possible events, 1st during 2012, 2nd during 2013, and the 3rd during 2014

### **Guaranteed Pay During 3 Events**

Craft		yman Rate cl. Benefits)	Number of Workers on Site	Guaranteed Pay	Number of Events	Total Estimated Cost	Revised Guaranteed Pay	Total Estimated Cost
Laborers (Bldg.)	\$	37.47	9	2 hrs	3	\$2,023	1 hr	\$340
Electricians	\$	53.10	16	2 hrs	3	\$5,098	1 hr	\$853
Carpenters (Bldg.)	\$	38.91	11	2 hrs	3	\$2,568	1 hr	\$431
*Based on average numb	er of workers	\$ 9,689		\$ 1,624				
of the remainet							C:	¢ 0.06

of the project

Savings \$ 1,624

Savings \$ 8,065

Percent Union/Non-Union 75%

Total Savings 3 Events \$ 6,049

Mileage and Parking

### **Mileage and Parking Compensation**

Craft	Original Estimated Total Days	Parking Comensation per Day	То	Total Estimated Cost					
Boilermakers	502	\$ -	\$	-					
Bricklayers (Bldg.)	31,927	\$ -	\$	-					
Carpenter (Bldg.)	46,242	\$ 4.75	\$	219,648.02					
Electrical	48,257	\$ -	\$	-					
Glaziers	8,024	\$ -	\$	-					
Insulators	4,784	\$ 7.00	\$	33,487.53					
Ironworkers	4,192	\$ -	\$	-					
Laborer (Building)	37,836	\$ -	\$	-					
Operating Engineer (Bldg.)	6,428	\$ -	\$	-					
Painters	14,176	\$ -	\$	-					
Plumbers	40,593	\$ -	\$	-					
Roofers	19,310	\$ 4.75	\$	91,724.60					
Sheet Metal	26,218	\$ -	\$	-					
Sprinkler Fitters	4,783	\$ -	\$	-					
	292,770		\$	344,860					
		75%							
	Total Savings								

Seeler Engineering, P.C.

Offsite Fabrication

Trade	Total Hours Worked	Hourly Wage	Percentage Worked Offsite	Cost Reduction		Cost Savings				
Carpenters	369,934	\$ 38.91	5%	20%	\$	143,941				
Electrical Workers	386,059	\$ 53.10	2%	20%	\$	81,999				
Iron Workers	33,532	\$ 46.96	5%	20%	\$	15,747				
Plumbers & Steamfitters	324,741	\$ 50.54	2%	20%	\$	65,650				
Sheet Metal Workers	209,745	\$ 48.97	5%	20%	\$	102,712				
	Total									
Adjustment factor for Union/Non-union  Total Cost Savings										

**Enhanced Minority Workforce Program** 

To support the Enhanced Minority Workforce Program each contractor will contribute \$0.15 per trade for each craft hour worked to the Rochester Careers in Construction, Inc. a non-profit 501(c)(3) corporation.

Total Labor Hours	Cost of Program (\$/hr.)	Total Cost of Program	
2,348,310	\$ 0.15	\$ 352,247	

Management Rights

2% for large complex projects

1% for smaller, less complex projects

1/4 to 1/2% deduction for jurisdictional restrictions on small projects

Management Rights Percentage	Total Construction Cost	Percent Union/Non- Union	Cost Savings
1.5%	\$ 244,900,000	75%	\$ 2,755,125

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