

PAROLE TRANSPORTATION CENTER

Anne Arundel County, Maryland



Contract No. H581201

Project No. H581200

KCI Job No. 272107076

SCHEMATIC DESIGN REPORT

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PREPARED BY

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**ANNE ARUNDEL COUNTY
PAROLE TRANSPORTATION CENTER**

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INTRODUCTION

The proposed transportation center site is located on the northwest side of the Westfield Annapolis Mall in the existing parking lot between Bestgate Road and the mall interior ring road. The completed feasibility report completed by Witman Requardt Associates (WRA) dated January 2020 identified the Westfield Annapolis Mall site as a preferred location due to site features, connection to existing service lines and minimal environmental impacts. The proposed Westfield Annapolis location will serve as an origin and destination for commuters and employees of the mall. The mall currently services five pass through and five terminal bus routes. The proposed location will service the existing lines while providing additional berths for new routes.

KCI Technologies, Inc. (KCI) has assembled a team to evaluate three options for a proposed site layout and building architecture. The site layout will be in conjunction with the building design to provide a cost effective solution while optimizing the site and provide the greatest service to the end user. As a part of this schematic design, KCI has meet with various stakeholders within the county government to obtain feedback regarding layout, architecture, service level, and other factors that have guided the three options.

SCHEMATIC DESIGN APPROACH

Throughout the history of the American public transit, the design of station facilities has played a central role in the success of the areas that surround them. Discussion of towns and cities often is oriented around their transportation source. Thorough planning and design are critical to the success of transit facilities to create a solution that positively connects people, bicycles, cars, and buses without creating conflicts between them.

One of the key issues to be managed in making “people” spaces that interact with vehicles is safety and legibility of the respective domains for each mode. Customers will experience this transportation center from a number of possible approaches; by vehicle, by foot, or in some type of modal transfer - bus, taxi drop off, parking. A cohesive architectural approach is necessary to bind these customer movements to reinforce its presence. We will orient and direct customers as they seek clarity in their transfers and movements. We will give them memorable and key station components around which they will orient themselves, while anchoring the center of the Parole Transportation Center in safety and operations.

The key to successful implementation of transportation facilities and associated amenities is to use a customized approach that is unique to the transit system and the service area while still using best practices that have proven results throughout the industry. Components to a successful design include:

- Customer Experience
- Stakeholder Involvement & Consistency with Area Planning
- Operations
- ADA
- Safety & Security
- Durability
- Sustainability
- Schedule

The Schematic Design Phase started with further analysis of the Anne Arundel County Transportation Center Feasibility Study dated January 2020 and the preferred alternative to confirm that the proposed concept minimizes land impacts, environmental impacts, and utility impacts to the maximum extent possible while meeting the project goals. Prior to any field work being completed, the County-issued letter to the adjacent property owners notifying them of

the project, intent for survey, and KCI's contact information will accompany each field personnel conducting field investigations. A field-run survey was completed including subsurface utility designation, ADA evaluation, street tree survey, and environmental review. Due to delay in obtaining the right-of-entry agreement with the property owner, the geodesical borings were not able to be completed during the schematic design. Instead, KCI's geotechnical engineers utilized data from surrounding projects along with information obtained from online sources to provide insight into potential soils impacts. Following the field investigations, KCI attended a pre-design meeting with the County representatives to discuss the up front investigation findings and KCI recommendations to address project goals prior to proceeding with the design.

Preliminary Site Layout plans, one-line building sketches, conceptual SWM and drainage recommendations have been prepared and incorporated into Schematic Design submittal documents based on findings evaluated during the data collection phase. The Schematic Design includes three (3) distinct design options and includes all existing features, plans, preliminary cross sections, preliminary R/W, and cost estimate.

EXISTING CONDITIONS

The property is located on the northwest side of the Westfield Annapolis Mall within the existing parking lot between Belcrest Road and the mall ring road. In existing conditions, the site has an approximately 40-car asphalt parking lot with the remainder of the site area maintained lawn with trees of various sizes. Existing street trees are located along Bestgate Road and additional landscaping along the mall ring road.

Major utilities are located within Bestgate Road's right-of-way including a water main, sewer main, gas main, and electric conduits. Storm Drain inlets are located within Bestgate Road and flow into the project site area to an underground infiltration system located west of and under the existing parking lot. The system was designed and constructed in the 1990's with the relocation of Bestgate Road. No cleanouts or inspection manholes were constructed per the as-built plans. Because of this, evaluation of the performance of the system is unknown. The intent of the level of treatment, storage and attenuation are unknown. Soils on the site are mapped predominantly Urban Land (Uz) consistent with man-made fills in a developed urban environment. Further detailed soils information is provided in the geotechnical section below.

Architecture

A. Program Summary

The Anne Arundel County Office of Transportation (AAOT) Parole Transportation Center is a transit hub building that will accommodate pedestrians, bicycles, bus, pedestrian vehicles and ride-sharing. Several transit entities were considered in the development of the project, including AAOT, Maryland Transit Administration (MTA), Young Transportation Services, Annapolis Transit (AT) and potential future growth for Ride Sharing and Greyhound.

Site constraints, including parcel size and configuration, setbacks, grading and existing utilities have a large impact the footprint and designs of the proposed facility.

Through the space planning process, operational and programming data has been collected and analyzed to form programming considerations. For AAOT, the key programming considerations identified by the consultant team are listed below.

Programming Considerations:

1. Safety for Pedestrians and Vehicles
2. 10 Bus Berths with a 45' Coach Design Vehicle
3. Transportation Center Facility
4. Station Shelters
5. Pedestrian Connections to the Community, Mall and adjacent Parking Lots
6. Pedestrian Car Parking

The project intends to create memorable architecture to create an area landmark, provide directional signage to provide clear and easy direction and orientation, and provide ADA compliance. The project also investigated several sustainable design elements to consider life cycle, costs, benefits and maintenance.

These types of Programming Considerations drive the space planning process and form guidelines which define the program needs and space requirements. Using the data collected from multipole discussions and a review of current and anticipated program spaces, the team prepared a program plan and site layout concepts to represent our understanding of the required spaces and potential site needs.

Below is a summary of proposed administration and operation spaces that meet SCTA programming requirements.

Proposed AAOT Parole Transportation Center Programming		
Spaces	Proposed Area +/- (SF)	Notes
Interior Waiting	900	Waiting space for 30-40 Customers
Ticketing Office	250	
Private Office	150	Potential for future sub-contractor use
Work Area / Break Room	250	
Lavatory/Restroom(s)	75	(3) Restrooms
Janitor Closet	100	
Storage Room	200	
Mechanical Room	350	
Electrical Room / IT	200	
Sub Total:	2,625	
General Circulation Space	800	+/- 30% gross increase
Grand Total Area:	3,425	

B. Building Code Review

The following design standards will be used throughout the design process:

- Applicable sub-codes adopted by the Maryland Building Performance Standards and employed on this project include, but are not limited to:
 - International Building Code 2018, International Code Council (ICC)
 - International Fire Code 2018, International Code Council (ICC)

- o Maryland Accessibility Code: ADA Accessibility Guidelines for Buildings and Facilities (ANSI. A117.1-2009)
- o 2010 ADA Standards for Accessible Design (ADAAG)
- o Department of Transportation Accessibility Standards, 2006 (DOTAS)

Proposed Use and Occupancy

The Use Group for the facility is A-3 for Waiting Areas in Transportation Terminals and is used for this Code Review, Reference Section 303.4.

Proposed Construction Type

- Construction Type: V-B (Unprotected)
- Fire Resistance Rating Requirements – Reference Table 601
 - o Structural Frame: 0 Hours
 - o Bearing Walls: 0 Hours
 - o Non-bearing Walls Interior: 0 Hours
 - o Floor Construction: 0 Hours
 - o Roof Construction: 0 Hours

Allowable Building Height

- Proposed Building Height: ± 38’-0”
 - Allowable Building Height: 40’-0” COMPLIANT
- Note: Final proposed building height will be subject to design and more detailed review of vertical clearance needs and resulting overall / varying exterior wall and roof heights.*

Allowable Building Area

- Proposed A-3 Occupancy, Type VB Construction,
- NS (one-story above grade, non-sprinklered)
- 5,500 SF allowable > 3,425 SF proposed COMPLIANT

Occupancy and Egress

AAOT Parole Transportation Center – Occupant Load			
	Area (SF)	Occupant Load Factor (SF / occupant)	Occupancy (persons)
Waiting Areas	900	15 gross	60
Business Areas (Offices)	1,675	150 gross	12
Accessory Storage and Mechanical Spaces	850	300 gross	3
TOTAL	3,425		75

Exit Access Travel Distance (A-3; without an automatic sprinkler system): 200’-0”

Automatic Sprinkler System

- An automatic sprinkler system is to be provided throughout all buildings containing a Group A-3 occupancy where one of the following conditions exists:
 - o Group A-3 fire area exceeds 12,000 SF - NOT REQUIRED
 - o Group A-3 exceeds 300 Occupants - NOT REQUIRED

**At client’s request, the building will be provided with a wet-pipe sprinkler system.*

Plumbing Fixtures

AAOT Parole Transportation Center - Plumbing Count							
Occupancy Use	Occupancy Total	Required		Needed (Per Sex)		Provided (Per Sex)	
		WC	Lav.	WC	Lav.	WC	Lav.
Ticketing Building (Passenger Terminals and Transportation Facilities)	75	1 per 500	1 per 500	1	1	1	1
TOTAL	75			1	1	3	3

C. Proposed Concepts

The proposed new facility aims to provide AAOT with a space suitable for their current and anticipated future operations. The proposed concepts have been created to look at the site, platforms and building in several variations, allowing for additional configurations where buildings, canopies and materials may be interchanged or enlarged with other site options.

TICKETING BUILDING

The proposed ticketing building totals approximately 3,425 SF including, but not limited to, the following:

- Waiting Area with visibility to the majority of the bus berths.
- Ticketing office with adjacent office work area and break room.
- Private Office with potential future use for sub-contracted services.
- (3) Single-User, ADA-accessible lavatories with adjacent drinking fountains.
- Storage Room
- Mechanical Room and Electrical/IT Room.

The ticketing building has been situated on each site to optimally provide visual access for patrons and ticketing agents to the majority of the bus berths. The building design incorporates storefront glazing for visibility and security and a mixture of materials to respond to the surrounding area. The building designs also include a tower that will serve as a visual indication for wayfinding and anchor for the site.

PLATFORMS

Due the slope of the site, the proposed designs allow for an upper and lower platform for bus berths. Several locations for access between platforms has been provided while maintaining visual access between levels. Platform canopies have been provided to cover a large area of the platforms and are designed to be modular and expandable. Additional open-air canopies have been provided at the site ends to provide additional covered waiting areas. Covered bicycle storage has been provided for each site and may incorporate a repair station.

MATERIALS

Materials will be selected based on their durability, cost effectiveness, and low level of maintenance. Precedence will then be given to products that are rapidly renewable (materials that can be grown and harvested in less than 10 years), have a high recycled content and/or that are recyclable at the end of their useful life, are bio-based, have low to no VOC's or other toxic chemicals (includes all finishes and paint, cleaning agents, and construction and building

materials such as insulation and adhesives), and are locally sourced/manufactured to the project site. Additional measures, such as clear graffiti coating or vandal resistant film can be added to the materials to minimize vandalism and enhance durability and cleanability.

This project is expected to be funded to whole or in part with Federal (FTA) funds therefore, all materials and assemblies will be subject to Buy America requirements accordingly.

Site Civil

Site Layout

The three site layout options were created in conjunction with the three architectural layouts. Based on the access points, grade changes, and bus birth locations the site was laid out to provide the program items identified in the RFP. A new sidewalk connection has been provided connecting to the existing sidewalk northeast of the site at the entrance road off Bestgate Road to the mall ring road. The existing feasibility study from 2020 shows a new sidewalk connection through the parking lot connecting directly into the mall. During the Schematic Design phase, KCI was notified by Anne Arundel County that such a connection falls outside the lease area being procured and could not be included. As such, KCI recommends the County investigate a future sidewalk connection from the north and south sides of the project site directly through the parking lots to the mall ring. This will provide a safe, direct pedestrian access route to the mall.

Site Grading

The site grades in existing conditions provides a challenge due to the drop between Bestgate Road and the mall ring road. Retaining walls, steps and ramps have been included in each of the three options to handle the grade change. Walls heights range from 2 feet to 6 feet and will be concrete masonry. During the design development phase, KCI will fine grade the site to balance cut/fills.

Existing Infiltration System

The existing plans pulled from county records shows an underground infiltration facility with the project area. This system was designed and constructed in the 1990s to manage the runoff collected by the inlets within Bestgate Road. No computations or methodology was found or provided that provides insight into what treatment or management level this facility was designed to handle. Further investigation is required. There are no cleanouts, access manholes or other means to determine the current condition of the system. Due to the layout options, however, this system will be removed/abandoned. KCI will meet with the County during the Design Development phase to obtain direction on how to handle this runoff. The options include management onsite through additional underground storage volume, offsite storage to mitigate the volume, or direct connection into the existing storm system with no further storage.

Stormwater Management

Stormwater management will be required for the proposed site improvements. Stormwater management will be provided in accordance with Anne Arundel County Practices and Procedures Manual. Stormwater management requirements for the project will generally be met primarily via micro-bioretenion facilities on the west side of the proposed building and adjacent to the proposed parking lot and sawtooth bus bays. Additional quantity control for the 10-year design storm will be required based on the proposed site improvements. This will be addressed via underground detention

system, which will likely be built under the proposed parking facilities.

The below table provides conceptual quantities for the stormwater management required for each design option:

Concept Stormwater Management Requirements				
Design Option	Limit of Disturbance (ac)	Ex. Impervious (ac)	Prop. Impervious (ac)	Treatment Volume (cf)
1	1.89	0.41	1.48	10,208
2	1.67	0.41	1.21	8,345
3	1.89	0.41	1.33	9,173

Storm drain piping will be provided throughout the site for drainage of surface runoff.

Geotechnical

Site Geologic Setting and Soil Series

Based on our review of the Physiographic Map of Maryland (2008), the project site is in the Crownsville Upland District of the Western Shore Uplands Region of the Atlantic Coastal Plain Province. The Atlantic Coastal Plain lies to the east of the Fall Line and consists of relatively soft strata. The ground is mainly underlain by a wedge of unconsolidated sediments including gravel, sand, silt, and clay overlying the rock of the eastern Piedmont. The Western Shore Uplands Region lies to the west of the bay and consists of flat to rolling uplands characterized by higher elevations and relief than the Eastern Shore and the Western Shore Lowlands Region. The Crownsville Upland District consists of a dissected rolling upland with slopes that are typically less than 8 degrees.

According to the Geologic Map of the South River Quadrangle, and Portions of the Annapolis Quadrangle, Anne Arundel County, Maryland (2002), the geologic units underlying the general project sites are the Paleocene-aged Aquia and Brightseat Formations (TaTbr).

The Aquia Formation is composed of well-sorted, medium grained, massive, thick-bedded, glauconitic sand as well as shelly calcareous sandstone. The sands are typically dark gray-green to olive-green and weather to "salt and pepper" and rusty-brown. The sandstone is typically encountered as reddish-brown boulders. This formation commonly contains fossils in some areas. The formation varies in thickness up to a maximum of 180-feet thick.

The Brightseat Formation is composed of poorly-sorted, glauconitic clayey sand and is not often "readily separable" from the overlying Aquia Formation. The formation varies in color from dark gray and dark greenish-gray to pale-gray and tan when weathered. The formation varies in thickness, with a maximum thickness of 65-feet.

According to the Natural Resource Conservation Service (NRCS) Web Soil Survey Mapping, site soils are mapped predominantly as Urban land (Uz) consistent with man-made fills in a developed urban environment. The site soils are classified as part of Hydrologic Soil Group "D".

Potential Geotechnical Issues

After review of preliminary project information and site geology, we have identified the following potential geotechnical issues related to the presence of geologic hazards and

subsurface conditions that may impact the design and construction of the planned site development:

- Potential for Existing Uncontrolled/Un-engineered Fill Materials
- Potential for Poor Site Drainage Conditions

Potential for Existing Uncontrolled/Un-engineered Fill Materials: Our review of soils mapping indicates the presence of urban-land or man-made fills at the proposed project site. Due to previous site developments within this location, un-engineered fill characterized by localized soft/loose zones and/or unsuitable soils, voids and obstructions may likely be present at the site. In addition, unsuitable or deleterious materials such as organics and rootlets, concrete and brick fragments within proposed foundation areas will require ground improvement measures such as undercutting and replacement with compacted engineered fill and/or in-situ densification (if feasible) prior to placing any new structural loading and/or fills.

Potential for Poor Site Drainage Conditions: Per the geologic mapping and the NRCS Soil Series, site soils may include soils classified as part of Hydrologic Soil Group "D". These types of soils typically have low infiltration rates with poor drainage characteristics, and thus can trap water or become saturated. As a result, site soils may not be feasible for infiltration practices. Underdrain systems may need to be considered to channel run-off from SWM ponds without relying on the percolation ability of in-situ soils.

Environmental

Study Area and Description

The project study area consists of a 3-acre landscaped site along Bestgate Road and Generals Highway in Annapolis, Maryland. The site is bounded by Bestgate Road to the north, Generals Highway to the west, the parking lot of the Westfield Annapolis Shopping Mall to the south and east.

Watershed and Land Use

The study area is located within the Severn River (02131002) watershed. Saltworks Creek is the nearest named waterway to the study area. The Maryland Surface Water Use Designation for Saltworks Creek and all its tributaries in this area is "Use 1", pursuant to which they are protected for water contact recreation and protection of aquatic life (COMAR 26.08.02.08). Due to this designation, in-stream work may not be conducted during the period of March 1 to June 15, inclusive, during any year (COMAR 26.08.02.11). Additionally, KCI reviewed Maryland's Tier II High Quality Waters map to identify whether the study area is within a Tier II watershed. According to review of the Tier II High Quality Waters map, the study area is not within a Tier II watershed (MDE, continuously updated). According to the Maryland 303(d) list of impaired waterways, the Severn River Watershed is listed as Category 5 – impaired for unknown pollutants. The Severn River has been approved for nutrients-phosphorus, sediment-TSS, and nutrients-nitrogen on December 29, 2010, bacteria-fecal coliform on April 10, 2008, and PCB-tPCBs on July 19, 2016

The Maryland Department of Planning, Land Use/Land Cover geographic information systems (Maryland Department of Planning, 2011) indicated the study area, and its immediate surroundings, is classified as "commercial" (Code 14).

Topography

The study area is located within the Coastal Plain Physiographic Province. According to a review of the South River, Maryland 7.5' Topographic Quadrangle (United States Geological Survey, 2019) and other sources, the topography within the study area is

sloping down from east and sloping down from form the south to the center of the site. Elevations range from approximately 70 feet above mean sea level (MSL) to 90 feet above MSL.

Soils

According to the Soil Survey of Anne Arundel County, Maryland (United States Department of Agriculture-Natural Resources Conservation Service [USDA-NRCS], 2021) and more recently available digital NRCS Soil Survey Geographic Database (SSURGO) soils data for the County (NRCS Web Soil Survey, 2021), one distinct soil units are present within the study area:

- Urban Land (Uz)

Mapped soil units are classified hydric based upon their listing on the National Hydric Soils List by State (USDA-NRCS, continuously updated) and the state and county lists in the web soil survey (NRCS Web Soil Survey, 2021). Hydric soils are defined as those soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part of the soil profile. The table below summarizes hydric components of soils within the study area as listed in either the National Hydric Soils List by State or the web soil survey.

Soil Series	Hydric (Y/N)	Hydric Component	Percent of Map Unit
Series	Yes/No	Component	%
Urban Land	No	N/A	N/A

National Wetlands Inventory

The National Wetlands Inventory (NWI) Map for Annapolis, Maryland (U.S. Fish and Wildlife Service [USFWS], 1981-2002) identifies a palustrine, forested, broad-leaved deciduous, temporary flooded (PFO1A) wetland and a riverine, unknown perennial, unconsolidated bottom, permanently flood (R5UBH) stream within the study area.

FEMA-Designated Floodplains

No designated 100-year floodplains are within the study area (FEMA Panel No. 24003C0231F).

Field Investigation Results

A site visit was completed in January 2022. No wetlands or waterways were found during the field investigation. No forest exists on-site. One specimen tree was noted within the southwest portion of the study area. The specimen tree is a 45-inch white oak in poor condition.

Required Permits

The only environmental permit required is a roadside tree permit (RTP) issued by Maryland Department of Natural Resources (MDNR). The permit is required for any tree clearing or pruning of trees located within the right-of-way of any public street. The RTP expires one year from the date of issue.

Structural

The Anne Arundel County Parole Transit Center is anticipated to be comprised of an enclosed station building, housing a patron waiting area, ticketing area, office and support facilities along with outdoor open shelter canopies to protect patrons from the weather. The planned floor area of the enclosed facility is planned to be approximately 2,500 square feet. Through the Schematic Design process, KCI has developed three

transit center concepts to evaluate the benefits and limitations of building and canopy forms, and the functionality of the overall layout of the bus bays and access lanes.

The three transportation center options developed present three distinct types of station buildings; two of the options incorporate several rectangular shapes and a flat roof along with a taller square tower having a flat roof and the third having the appearance of a more historic train or transit station, with a sloped roof. In either case, KCI anticipates that the gravity and lateral load resisting structural systems will include a combination of masonry bearing walls and small steel columns supporting a light-weight steel framed roof. Roof framing systems using rolled steel shapes, open-web joists and cold-formed steel framing will all be evaluated during the Design Development Phase to determine the most effective and efficient solution. In each case, KCI anticipates that the flat or sloped roof surfaces will be structured using cold-formed, galvanized steel roof deck.

The roof structures for each of the three options for open shelter canopies are anticipated to be framed using steel Hollow Structural Sections (known as HSS or Tube sections). Support for the roof could be accomplished using large HSS sections, cast-in-place concrete, or precast concrete depending on the size, configuration, and desired appearance of the overall canopy.

The overall arrangement of the bus lanes and bus stop bays for all the transportation center options has grade separation between a lane served directly from Bestgate Road and the opposing direction accessed from the Westfield Annapolis Mall Access Road. Pedestrian access between these levels is provided by a combination of stairways and accessible ramps; each constructed using cast-in-place concrete. Similarly, KCI anticipates that the retaining walls at the grade separation, stair areas and ramps will be constructed using cast-in-place concrete. Both the concrete mixture and the detailing of the concrete and reinforcing will maximize the durability of these structures.

Based on the relatively small size of the proposed structures, KCI anticipates that the foundation could be comprised of shallow footings placed on undisturbed subgrade, however, the determination of foundation system and any potential soil improvements are dependent on geotechnical engineering evaluation.

Mechanical

A. Applicable Documents

Located in Parole, MD – jurisdiction is Anne Arundel County
 International Code Council (ICC)
 International Building Code (IBC), 2018
 International Energy Conservation Code (IECC), 2018
 International Mechanical Code (IMC), 2018
 International Plumbing Code (IPC), 2018
 International Fuel Gas Code (IFGC), 2018

B. Mechanical Loads

The new building consists of an interior waiting space, customer service office, restrooms, and mech/elec rooms. The interior waiting space is estimated to have a cooling load of 4 tons, a heating load of 30 MBH, and a ventilation load of 750 CFM. The office space a cooling load of 1 ton, a heating load of 13 MBH, and a ventilation load of 100 CFM.

C. Mechanical Equipment

The janitor and toilet rooms will be served by ceiling exhaust fans that are interlocked to light switches/occupancy sensors. A dedicated split system DX unit is proposed for the IT room. For the waiting and office areas two options are proposed:

1. A split system heat pump for each space (4 ton + 1 ton) or
2. A variable refrigerant flow system (5 ton) paired with a dedicated outdoor air unit (850 CFM) (one indoor unit serving waiting area and one indoor unit serving the office area)

The condensing units would be located on grade adjacent to the building (or depending on site layout located in a ventilated attic with attic air transfer fans to remove the heat.

D. Plumbing Equipment

Robust low flow plumbing fixtures are proposed for the toilet rooms. A small tank (30 gal, 4.5 KW) electric water heater with recirculation loop (as required by energy code) is proposed to serve the domestic hot water needs of the building. A water fountain with bottle filler is also proposed.

Electrical**A. Applicable Documents**

International Code Council (ICC)
 International Energy Conservation Code (IECC), 2018
 National Fire Protection Association (NFPA)
 NFPA 70, National Electric Code, 2017
 NFPA 72, National Fire Alarm and Signaling Code, 2016
 NFPA 101, Life Safety Code (LSC), 20158

B. Electrical Distribution

Incoming power distribution will be coordinated with the existing infrastructure adjacent to the proposed building. A radial medium voltage will be provided from the existing power pole, with a pad-mounted step-down transformer near the proposed Main Electrical Room in the building. The Main Electrical Room will house the incoming electrical service, proposed to be 208/120v, 3-phase, 4-wire, and approximately 600A, the main panelboard will serve proposed 3-phase mechanical loads, with a sub-panelboard to support lighting, receptacles, and smaller mechanical loads for the building.

C. Lighting

Interior and exterior lighting associated with the building shall be LED based lighting fixtures. All interior lighting shall have localized controls and dimming capability (where applicable) to comply with current energy codes. Exterior lighting will consist of pole mounted lights, for parking areas, building mounted lights, and canopy lighting for bus parking; all exterior lighting shall be controlled by building mounted photocell, and digital timeclock. All egress lighting shall be battery operated as dedicated wall packs or integral to the proposed lighting fixture.

D. Telecommunications

The MDF / incoming fiber will be in a shared room with the incoming electrical

service. All locations will be coordinated with the owner, and 1" conduit with pull strings up to accessible ceiling tiles will be provided. Security camera placement will be coordinated with the owner, and any associated 120v power will be provided to support intrusion, access control, and camera systems.

Fire Protection

Executive summary: Options 2 and 3 with wood construction would require a wet pipe sprinkler system inside (with small fire alarm to monitor sprinkler system). Options 2 and 3 with Type IIB (steel) construction would not require sprinkler (no FA required either).

Applicable Codes

State:

- Maryland Building Performance Standards Regulations (COMAR 09.12.51)
- Model Performance Code Regulations (COMAR 09.12.50)
- Url: <https://www.dllr.state.md.us/labor/build/buildcodes.shtml>

County:

- Anne Arundel County Code
- Url: <https://codelibrary.amlegal.com/codes/annearundel/latest/overview>

Code Summary (Fire Protection)

The Parole transportation center is proposed to be a single-story bus shelter constructed of Type VB materials in Annapolis, MD. Both NFPA 101 and IBC are applicable building codes in the state of Maryland therefore the most stringent requirements shall apply.

Per the IBC the transportation center is classified as a Group A-3 assembly occupancy. Similarly, per NFPA 101, the transportation center is classified as an Assembly occupancy.

In accordance with IBC, since the building fire area is less than 12,000 sqft and the estimated occupant load is under 300 occupants, neither a sprinkler or fire alarm system is required for this building [IBC §903.2.1.3/ IBC §907.2.1]. However, Table 506.2 limits the area of non-sprinklered Type VB buildings for Group A-3 occupancies to 6,000 sqft in area. This area is inclusive of any attached overhangs or projections. Conceptual design options #2 and #3 exceed this area limitation. In order to avoid the need for a sprinkler system, a different type of construction shall be utilized, or the building area shall be decreased.

Per NFPA 101, since the occupant load of the building is under 300 occupants neither a sprinkler system or fire alarm system is required for this building [NFPA 101 §12.3.5.2/ NFPA 101 §12.3.4.1.1].

Local code amendments do not impact this analysis.

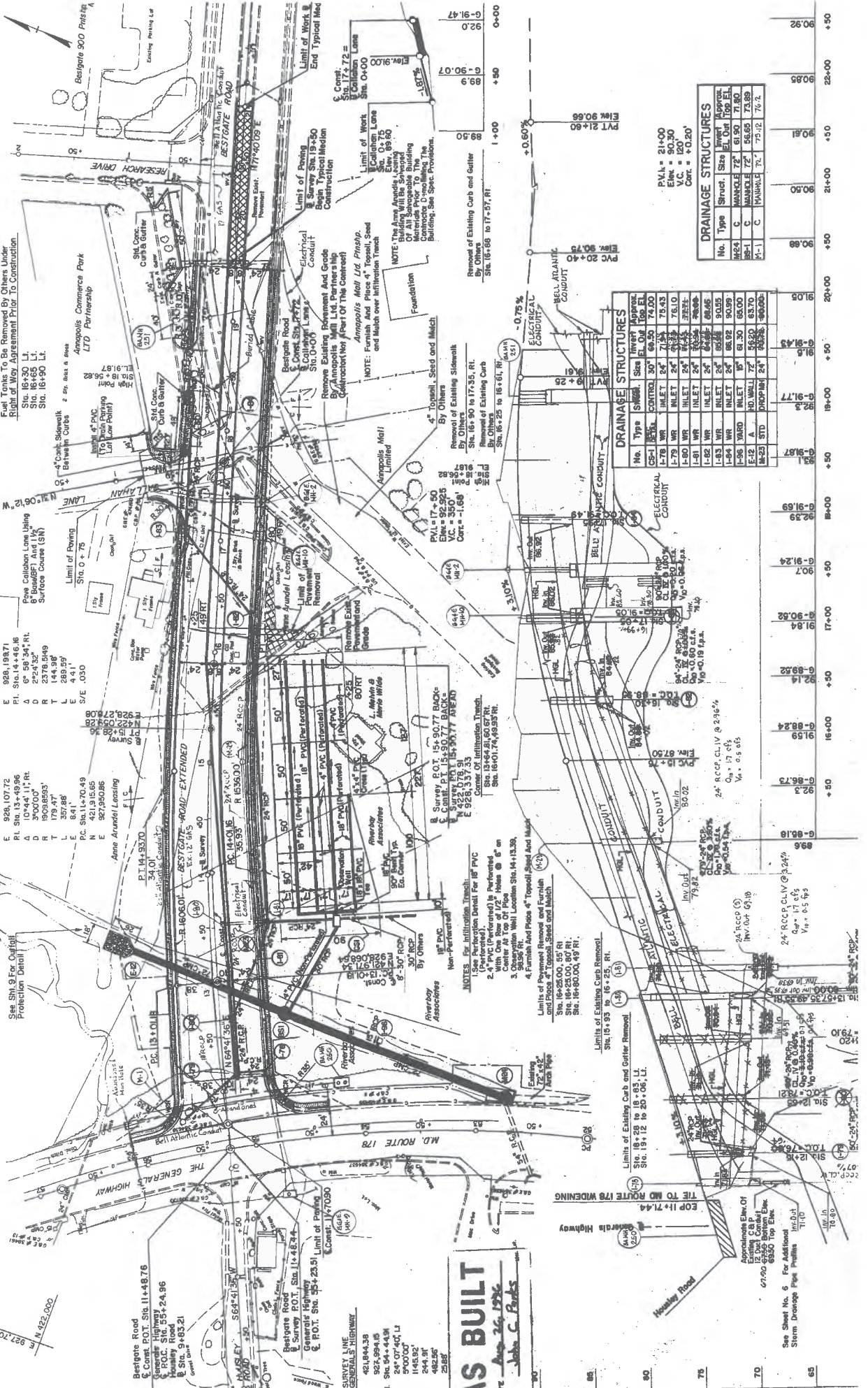
Appendix A Existing Plans

NOTE: THE CONTRACTOR SHALL ENSURE THAT A MINIMUM 20' CLEARANCE BE MAINTAINED BETWEEN THE RIGHT-OF-WAY OF THE BOSTON TRANSMISSION LINE.

BESTGATE CONSTRUCTION LINE
 N 422.033.32
 P.I. Sta. 14+46.16
 D 6° 58' 34" RI
 D 2° 24' 32"
 R 2378.949
 L 148.577
 L 328.859
 E 4.411
 S/E .030

BESTGATE SURVEY LINE
 N 422.002.84
 E 928.107.72
 P.I. Sta. 13+49.96
 D 10° 44' 11" RI
 D 3° 00' 00"
 R 1930.853
 L 148.577
 L 328.859
 E 4.411
 S/E .030

BESTGATE SURVEY LINE
 N 422.000
 E 927.700



BENCHMARK - J.H.B.A. BM-3
 RR Spike in 8' E Pole # 22772
 Elev. 94.76

Fuel Tanks To Be Removed By Others Under Right of Way Agreement Prior To Construction.
 Sta. 16+30 L.I.
 Sta. 16+65 L.I.
 Sta. 16+90 L.I.

Remove Existing Pavement And Grade By Others (Contractive) Prior To Construction.
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 Sta. 0+75
 Sta. 1+00

Remove Existing Pavement And Grade By Others (Contractive) Prior To Construction.
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Remove Existing Pavement And Grade By Others (Contractive) Prior To Construction.
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 Sta. 44+00

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 Sta. 51+00

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 Sta. 52+00

Remove Existing Pavement And Grade By Others (Contractive) Prior To Construction.
 Sta. 52+00
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 Sta. 53+00

Remove Existing Pavement And Grade By Others (Contractive) Prior To Construction.
 Sta. 53+00
 Sta. 53+75
 Sta. 54+00

No.	Type	Struct.	Size	Depth	Approx. Elev. Top El.
M-24	C	MANHOLE	72"	61.50	71.80
M-25	C	MANHOLE	72"	58.85	73.89
M-1	C	MANHOLE	72"	73.12	76.1

No.	Type	Struct.	Size	Depth	Approx. Elev. Top El.
C-1	W	W/RY	24"	64.50	74.00
I-78	W	W/RY	24"	71.54	75.43
I-79	W	W/RY	24"	64.54	76.10
I-80	W	W/RY	24"	64.54	76.10
I-81	W	W/RY	24"	64.54	76.10
I-82	W	W/RY	24"	64.54	76.10
I-83	W	W/RY	24"	64.54	76.10
I-84	W	W/RY	24"	64.54	76.10
I-85	W	W/RY	24"	64.54	76.10
E-12	A	RD. WALL	72"	61.30	65.00
M-22	C	MANHOLE	72"	64.54	76.10

DRAINAGE STRUCTURES
 P.V.L. = 21-00
 Elev. = 90.30
 S.C. = 0.01
 Cor. = 0.20'

AS BUILT
 DATE: June 24, 1974
 BY: John C. Parks

See Sheet No. 6 For Additional Storm Drainage Pipe Profiles

See Sheet No. 9 For Additional Storm Drainage Pipe Profiles

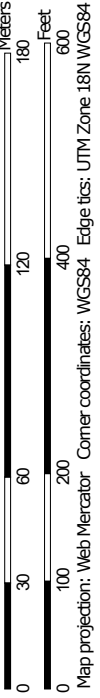
Appendix B Soils Map

Soil Map—Anne Arundel County, Maryland
(Parole Transportation Center)



Soil Map may not be valid at this scale.

Map Scale: 1:2,140 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features
- Water Features**
- Streams and Canals
- Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads
- Background**
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Anne Arundel County, Maryland
Survey Area Data: Version 20, Aug 26, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 23, 2020—Nov 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AsE	Annapolis fine sandy loam, 15 to 25 percent slopes	0.4	2.1%
CkA	Colemantown fine sandy loam, 0 to 2 percent slopes	0.9	5.4%
UxB	Udorthents, loamy, sulfidic substratum, 0 to 5 percent slopes	1.0	6.1%
Uz	Urban land	14.4	86.4%
Totals for Area of Interest		16.7	100.0%

Appendix C Cost Estimate

AA COUNTY PAROLE TRANSPORTATION CENTER

Schematic Design Submission

Cost Estimate Summary

Description	Total Project Hard Cost	SF Cost
CONCEPT 1	\$ 9,085,582.69	\$ 48.77
CONCEPT 2	\$ 7,934,462.49	\$ 38.91
CONCEPT 3	\$ 7,306,192.30	\$ 39.22

Submitted to:
KCI Technologies Inc.

4/6/2022

Submitted By:

KUMI

CONSTRUCTION MANAGEMENT CORP

5335 Wisconsin Ave, NW

Suite 970

Washington, DC 20015

202-684-8858

KUMI CONSTRUCTION MANAGEMENT

AA COUNTY PAROLE TRANSPORTATION CENTER

Design Development Executive Estimate Summary

April 6, 2022

		OVERALL SUMMARY SHEET									
		186,296 \$ / sqft 49			186,296 \$ / sqft 39			186,296 \$ / sqft 39			
		CONCEPT 1			CONCEPT 2			CONCEPT 3			
Division	GSF =	Component	Total	% of Total Building	\$'s/sqft Building	Total	% of Total Building	\$'s/sqft Building	Total	% of Total Building	\$'s/sqft Building
Division 2		Existing Conditions	\$ 460,695	5.1%	\$ 2.47	\$ 460,695	5.8%	\$ 2.47	\$ 460,695.14	6.3%	\$ 2.47
Division 3		Concrete	\$ 230,634	2.5%	\$ 1.24	\$ 299,452	3.8%	\$ 1.61	\$ 316,450.91	4.3%	\$ 1.70
Division 5		Metals	\$ 135,314	1.5%	\$ 0.73	\$ 138,370	1.7%	\$ 0.74	\$ 135,879.81	1.9%	\$ 0.73
Division 6		Wood & Plastics	\$ 20,028	0.2%	\$ 0.11	\$ 20,480	0.3%	\$ 0.11	\$ 20,111.76	0.3%	\$ 0.11
Division 7		Thermal & Moisture	\$ 128,282	1.4%	\$ 0.69	\$ 136,002	1.7%	\$ 0.73	\$ 129,608.62	1.8%	\$ 0.70
Division 8		Doors & Windows	\$ 143,656	1.6%	\$ 0.77	\$ 171,708	2.2%	\$ 0.92	\$ 145,013.29	2.0%	\$ 0.78
Division 9		Finishes	\$ 150,508	1.7%	\$ 0.81	\$ 163,791	2.1%	\$ 0.88	\$ 163,230.13	2.2%	\$ 0.88
Division 10		Specialties	\$ 11,760	0.1%	\$ 0.06	\$ 11,760	0.1%	\$ 0.06	\$ 12,171.44	0.2%	\$ 0.07
Division 12		Furnishings	\$ 48,386	0.5%	\$ 0.26	\$ 43,524	0.5%	\$ 0.23	\$ 27,243.99	0.4%	\$ 0.15
Division 13		Special Construction	\$ 549,470	6.0%	\$ 2.95	\$ 346,845	4.4%	\$ 1.86	\$ 84,541.27	1.2%	\$ 0.45
Division 22		Plumbing	\$ 94,380	1.0%	\$ 0.51	\$ 95,513	1.2%	\$ 0.51	\$ 94,589.60	1.3%	\$ 0.51
Division 23		HVAC	\$ 175,755	1.9%	\$ 0.94	\$ 179,724	2.3%	\$ 0.96	\$ 176,489.75	2.4%	\$ 0.95
Division 25		Integrated Automation	\$ 16,899	0.2%	\$ 0.09	\$ 17,280	0.2%	\$ 0.09	\$ 16,969.35	0.2%	\$ 0.09
Division 26		Electrical	\$ 481,024	5.3%	\$ 2.58	\$ 482,388	6.1%	\$ 2.59	\$ 469,809.90	6.4%	\$ 2.52
Division 27		Communications	\$ 16,899	0.2%	\$ 0.09	\$ 17,280	0.2%	\$ 0.09	\$ 16,969.35	0.2%	\$ 0.09
Division 28		Electronic Safety & Security	\$ 16,899	0.2%	\$ 0.09	\$ 17,280	0.2%	\$ 0.09	\$ 16,969.35	0.2%	\$ 0.09
Division 31		Earthwork	\$ 196,443	2.2%	\$ 1.05	\$ 153,071	1.9%	\$ 0.82	\$ 205,146.33	2.8%	\$ 1.10
Division 32		Exterior Improvements	\$ 1,944,754	21.4%	\$ 10.44	\$ 1,649,523	20.8%	\$ 8.85	\$ 1,350,633.46	18.5%	\$ 7.25
Division 33		Utilities	\$ 168,020	1.8%	\$ 0.90	\$ 170,801	2.2%	\$ 0.92	\$ 170,038.33	2.3%	\$ 0.91
Subtotal - Direct Trade Cost			\$ 4,989,803	55%	\$ 27	\$ 4,575,488	58%	\$ 24.56	\$ 4,012,561.80	54.9%	\$ 21.54

KUMI CONSTRUCTION MANAGEMENT
AA COUNTY PAROLE TRANSPORTATION CENTER

Design Development Executive Estimate Summary

April 6, 2022

Sub Contractor Total Cost		\$ 4,989,803		\$ 26.78	\$ 4,575,488		\$ 24.56	\$ 4,012,562		\$ 21.54
Prime Contractor's Markups										
Design Contingency	15.00%	\$ 748,470	8.2%	\$ 4.02	\$ 686,323	8.6%	\$ 3.68	\$ 601,884	8.2%	\$ 3.23
Subtotal		\$ 5,738,274		\$ 30.80	\$ 5,261,812		\$ 3.68	\$ 4,614,446		\$ 24.77
Construction Contingency	10.00%	\$ 573,827	6.3%	\$ 3.08	\$ 526,181	6.6%	\$ 2.82	\$ 461,445	6.3%	\$ 2.48
Subtotal		\$ 6,312,101		\$ 33.88	\$ 5,787,993		\$ 27.38	\$ 5,075,891		\$ 27.25
General Conditions	10.00%	\$ 631,210	6.9%	\$ 3.39	\$ 578,799	7.3%	\$ 3.11	\$ 507,589	6.9%	\$ 2.72
Subtotal		\$ 6,943,311		\$ 37.27	\$ 6,366,792		\$ 30.49	\$ 5,583,480		\$ 29.97
G & A Overhead & Profit	15.00%	\$ 1,041,497	11.5%	\$ 5.59	\$ 955,019	12.0%	\$ 5.13	\$ 837,522	11.5%	\$ 4.50
Subtotal		\$ 7,984,808		\$ 42.86	\$ 7,321,811		\$ 35.62	\$ 6,421,002		\$ 34.47
Bonding	1.20%	\$ 95,818	1.1%	\$ 0.51	\$ 87,862	1.1%	\$ 0.47	\$ 77,052	1.1%	\$ 0.41
Subtotal		\$ 8,080,626		\$ 43.38	\$ 7,409,672		\$ 36.09	\$ 6,498,054		\$ 34.88
CM FEES	5.00%	\$ 404,031	4.4%	\$ 2.17	\$ 370,484	4.7%	\$ 1.99	\$ 324,903	4.4%	\$ 1.74
Subtotal		\$ 8,484,657		\$ 45.54	\$ 7,780,156		\$ 38.08	\$ 6,822,956		\$ 36.62
Escalation	5.50%	\$ 466,656	5.1%	\$ 2.50	\$ 407,532	5.1%	\$ 2.19	\$ 375,263	5.1%	\$ 2.01
Subtotals		\$ 8,951,313.00		\$ 48.05	\$ 7,817,204.43		\$ 38.28	\$ 7,198,219.01		\$ 38.64
Covid Impact Allowance	1.50%	\$ 134,270	1.5%	\$ 0.72	\$ 117,258	1%	\$ 0.63	\$ 107,973	1%	\$ 0.58
TOTAL CONSTRUCTION COST		\$ 9,085,582.69	100%	\$ 48.77	\$ 7,934,462.49	105%	\$ 38.91	\$ 7,306,192.30	100%	\$ 39.22

CONCEPT 1

BUILDING SQFT	3,586	SF	MATERIALS		LABOR		EQUIPMENT		DIRECT COST		SUB-COST	
ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 2 / EXISITNG CONDITIONS												
<u>Demolition</u>												
<u>Site Demolition</u>												
Allowance for site demolition;	186,296	SF		\$ -	\$ 0.99	\$ 184,939.34	\$ 0.15	\$ 27,944.40	\$ 1.14	\$ 212,883.74	\$ 1.35	\$ 250,798.33
<u>General Demolition Related</u>												
Hauling off debris	574.99	Trips	\$ -	\$ -	\$ 89.86	\$ 51,668.25	\$ 100.00	\$ 57,498.77	\$ 189.86	\$ 109,167.01	\$ 223.67	\$ 128,609.66
Dump Fee	575	Trips	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120.00	\$ 68,998.52	\$ 141.37	\$ 81,287.15
Demolition	Subtotal			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div. 2 / EXISITNG CONDITIONS	Subtotals			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div.3/ CONCRETE												
<u>Foundation System</u>												
New Concrete Foundation System; including formwork and reinforcement	3,586	SF	\$ 15.00	\$ 53,790.00	\$ 7.77	\$ 27,854.09	\$ 1.50	\$ 5,379.00	\$ 24.27	\$ 87,023.09	\$ 28.59	\$ 102,521.90
<u>Exterior Walls</u>												
Formwork for sides of footing	4,200	SF	\$ 1.09	\$ 4,578.00	\$ 7.66	\$ 32,188.33	\$ -	\$ -	\$ 8.75	\$ 36,766.33	\$ 10.31	\$ 43,314.42
Steel reinforcements to footings	6,533.33	Lb.	\$ 0.60	\$ 3,920.00	\$ 0.52	\$ 3,383.16	\$ -	\$ -	\$ 1.12	\$ 7,303.16	\$ 1.32	\$ 8,603.85
Concrete to walls	93	CY	\$ 210.00	\$ 19,600.00	\$ 51.78	\$ 4,833.08	\$ 30.00	\$ 2,800.00	\$ 291.78	\$ 27,233.08	\$ 343.75	\$ 32,083.29
Foundation System	Subtotal			\$ 81,888.00		\$ 68,258.66		\$ 8,179.00		\$ 158,325.66		\$ 186,523.46
<u>Concrete Slab</u>												
<u>Concrete Slab On Grade</u>												
5" thick concrete slab on grade including formwork and reinforcement, 10 polythene vapor barrier, 6" crush stone	3,586	SF	\$ 4.55	\$ 16,316.30	\$ 3.88	\$ 13,927.05	\$ -	\$ -	\$ 8.43	\$ 30,243.35	\$ 9.94	\$ 35,629.69
Concrete Slab	Subtotal			\$ 16,316.30		\$ 13,927.05		\$ -		\$ 30,243.35		\$ 35,629.69
<u>Miscellaneous Concrete</u>												
Foundation drainage	270	LF	\$ 4.50	\$ 1,215.00	\$ 2.59	\$ 699.07	\$ -	\$ -	\$ 7.09	\$ 1,914.07	\$ 8.35	\$ 2,254.97
Foundation waterproofing	810	SF	\$ 1.50	\$ 1,215.00	\$ 0.52	\$ 419.44	\$ -	\$ -	\$ 2.02	\$ 1,634.44	\$ 2.38	\$ 1,925.54
Allowance for miscellaneous foundation work	3,586	SF	\$ 0.50	\$ 1,793.00	\$ 0.52	\$ 1,856.94	\$ -	\$ -	\$ 1.02	\$ 3,649.94	\$ 1.20	\$ 4,299.99
Miscellaneous Concrete	Subtotal			\$ 4,223.00		\$ 2,975.45		\$ -		\$ 7,198.45		\$ 8,480.50
Div.3/ CONCRETE	Subtotals			\$ 102,427.30		\$ 85,161.16		\$ 8,179.00		\$ 195,767.46		\$ 230,633.65
Div. 5 / METALS												
<u>Structural Steel Framing</u>												

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Structural Steel in Building	18	TON	\$ 4,326.40	\$ 77,572.35	\$ 734.80	\$ 13,174.94	\$ 382.00	\$ 6,849.26	\$ 5,443.20	\$ 97,596.55	\$ 6,412.63	\$ 114,978.50
							\$ 1.20					
Structural Steel Framing	Subtotal			\$ 77,572.35		\$ 13,174.94		\$ 6,849.26		\$ 97,596.55		\$ 114,978.50
<u>Metal Decking</u>												
Steel deck @ roof deck 1 1/2", 20 ga	3,586	SF	\$ 1.82	\$ 6,526.52	\$ 0.44	\$ 1,593.02	\$ 0.03	\$ 107.58	\$ 2.29	\$ 8,227.12	\$ 2.70	\$ 9,692.37
Metal Decking	Subtotal			\$ 6,526.52		\$ 1,593.02		\$ 107.58		\$ 8,227.12		\$ 9,692.37
<u>Miscellaneous Metal Work</u>												
Allowance for Miscellaneous metal work	3,586	SF	\$ 1.25	\$ 4,482.50	\$ 1.27	\$ 4,551.48		\$ -	\$ 2.52	\$ 9,033.98	\$ 2.97	\$ 10,642.93
Miscellaneous Metal Work	Subtotal			\$ 4,482.50		\$ 4,551.48		\$ -		\$ 9,033.98		\$ 10,642.93
Div. 5 / METALS	Subtotals			\$ 88,581.37		\$ 19,319.44		\$ 6,956.84		\$ 114,857.65		\$ 135,313.80
Div. 6 / WOOD & PLASTICS												
<u>Rough Carpentry</u>												
Rough carpentry; wood blocking, etc.	3,586	SF	\$ 0.75	\$ 2,689.50	\$ 0.56	\$ 2,008.81		\$ -	\$ 1.31	\$ 4,698.31	\$ 1.54	\$ 5,535.08
Rough Carpentry	Subtotal			\$ 2,689.50		\$ 2,008.81		\$ -		\$ 4,698.31		\$ 5,535.08
<u>Fine Carpentry</u>												
Miscellaneous finished carpentry work; including millwork	3,586	SF	\$ 1.75	\$ 6,275.50	\$ 1.68	\$ 6,026.43		\$ -	\$ 3.43	\$ 12,301.93	\$ 4.04	\$ 14,492.90
Fine Carpentry	Subtotal			\$ 6,275.50		\$ 6,026.43		\$ -		\$ 12,301.93		\$ 14,492.90
Div. 6 / WOOD & PLASTICS	Subtotals			\$ 8,965.00		\$ 8,035.24		\$ -		\$ 17,000.24		\$ 20,027.98
Div. 7 / THERMAL & MOISTURE PROTECTION												
<u>Insulation</u>												
Building insulation	3,586	SF	\$ 1.05	\$ 3,765.30	\$ 0.50	\$ 1,780.59		\$ -	\$ 1.55	\$ 5,545.89	\$ 1.82	\$ 6,533.62
Insulation	Subtotal			\$ 3,765.30		\$ 1,780.59		\$ -		\$ 5,545.89		\$ 6,533.62
<u>Waterproofing</u>												
Building waterproofing	3,586	SF	\$ 0.73	\$ 2,617.78	\$ 0.50	\$ 1,780.59		\$ -	\$ 1.23	\$ 4,398.37	\$ 1.44	\$ 5,181.72
									\$ -	\$ -	\$ -	\$ -
Waterproofing	Subtotal			\$ 2,617.78		\$ 1,780.59		\$ -		\$ 4,398.37		\$ 5,181.72
<u>Caulking & Sealants</u>												
Caulking and sealant	3,586	SF	\$ 0.90	\$ 3,227.40	\$ 0.50	\$ 1,780.59		\$ -	\$ 1.40	\$ 5,007.99	\$ 1.65	\$ 5,899.92
									\$ -	\$ -	\$ -	\$ -
Caulking & Sealants	Subtotal			\$ 3,227.40		\$ 1,780.59		\$ -		\$ 5,007.99		\$ 5,899.92

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
<u>Fireproofing</u>												
Allowance for building fireproofing	3,586	SF	\$ 0.90	\$ 3,227.40	\$ 0.50	\$ 1,780.59		\$ -	\$ 1.40	\$ 5,007.99	\$ 1.65	\$ 5,899.92
Fireproofing	Subtotal			\$ 3,227.40		\$ 1,780.59		\$ -		\$ 5,007.99		\$ 5,899.92
<u>Roofing</u>												
Roof gutters	270	LF	\$ 11.50	\$ 3,105.00	\$ 2.77	\$ 746.99		\$ -	\$ 14.27	\$ 3,851.99	\$ 16.81	\$ 4,538.03
Downspout	150	LF	\$ 15.00	\$ 2,250.00	\$ 3.32	\$ 498.00		\$ -	\$ 18.32	\$ 2,748.00	\$ 21.58	\$ 3,237.41
Single Ply membrane roofing	3,780	SF	\$ 7.50	\$ 28,347.33	\$ 5.53	\$ 20,913.86		\$ -	\$ 13.03	\$ 49,261.19	\$ 15.35	\$ 58,034.60
Allowance for miscellaneous roof work	3,780	SF	\$ 0.75	\$ 2,834.73	\$ 0.73	\$ 2,769.59		\$ -	\$ 1.48	\$ 5,604.33	\$ 1.75	\$ 6,602.46
Roofing	Subtotal			\$ 36,537.06		\$ 24,928.44		\$ -		\$ 61,465.50		\$ 72,412.51
<u>Siding</u>												
Exterior Panel Siding	1,230	SF	\$ 15.00	\$ 18,450.00	\$ 7.33	\$ 9,013.02		\$ -	\$ 22.33	\$ 27,463.02	\$ 26.30	\$ 32,354.18
Siding	Subtotal			\$ 18,450.00		\$ 9,013.02		\$ -		\$ 27,463.02		\$ 32,354.18
Div. 7 / THERMAL & MOISTURE PROTECTION	Subtotals			\$ 67,824.94		\$ 41,063.83		\$ -		\$ 108,888.77		\$ 128,281.86
Div. 8/ DOORS & WINDOWS												
<u>Double Doors</u>												
<u>Double Door Frame</u>												
Exterior double door Aluminum frames	-	EA	\$ 500.00	\$ -	\$ 224.07	\$ -		\$ -	\$ 724.07	\$ -	\$ 853.03	\$ -
<u>Double Door</u>												
Exterior Storefront door assembly, double	1	EA	\$ 8,190.00	\$ 8,190.00	\$ 560.18	\$ 560.18		\$ -	\$ 8,750.18	\$ 8,750.18	\$ 10,308.59	\$ 10,308.59
Exterior door double	2	EA	\$ 3,500.00	\$ 7,000.00	\$ 336.11	\$ 672.22		\$ -	\$ 3,836.11	\$ 7,672.22	\$ 4,519.32	\$ 9,038.64
Exterior door single	1	EA	\$ 1,250.00	\$ 1,250.00	\$ 224.07	\$ 224.07		\$ -	\$ 1,474.07	\$ 1,474.07	\$ 1,736.60	\$ 1,736.60
Double Doors	Subtotal			\$ 16,440.00		\$ 1,456.47		\$ -		\$ 17,896.47		\$ 21,083.83
<u>Single Doors</u>												
<u>Single Doors</u>												
3'-0"X7'-0" SCW Door with hollow metal frame	7	EA	\$ 1,500.00	\$ 10,500.00	\$ 224.07	\$ 1,568.51		\$ -	\$ 1,724.07	\$ 12,068.51	\$ 2,031.13	\$ 14,217.91
Single Doors	Subtotal			\$ 10,500.00		\$ 1,568.51		\$ -		\$ 12,068.51		\$ 14,217.91
<u>Double Doors</u>												
6'-0"X7'-0" Type 'F' Flush HM Dbl. Doors w/ HM Frame	1	EA	\$ 1,800.00	\$ 1,800.00	\$ 336.11	\$ 336.11		\$ -	\$ 2,136.11	\$ 2,136.11	\$ 2,516.55	\$ 2,516.55
Single Doors	Subtotal			\$ 1,800.00		\$ 336.11		\$ -		\$ 2,136.11		\$ 2,516.55
<u>Door Hardware & Miscellaneous</u>												
Interior Door Hardware single	7	EA	\$ 450.00	\$ 3,150.00	\$ 149.40	\$ 1,045.80		\$ -	\$ 599.40	\$ 4,195.80	\$ 706.15	\$ 4,943.07
Interior Door Hardware Double	1	EA	\$ 635.00	\$ 635.00	\$ 149.40	\$ 149.40		\$ -	\$ 784.40	\$ 784.40	\$ 924.10	\$ 924.10
Door thresholds	40	LF	\$ 9.40	\$ 376.00	\$ 9.36	\$ 374.20		\$ -	\$ 18.76	\$ 750.20	\$ 22.10	\$ 883.81
Metal Kick plates	17	EA	\$ 65.00	\$ 1,105.00	\$ 28.01	\$ 476.15		\$ -	\$ 93.01	\$ 1,581.15	\$ 109.57	\$ 1,862.76

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Door Hardware & Miscellaneous	Subtotal			\$ 5,266.00		\$ 2,045.56		\$ -		\$ 7,311.56		\$ 8,613.75
<u>Windows & Glazing(Exterior Wall system)</u>												
<u>Exterior Glazing</u>												
Exterior storefront Curtain wall	1,000	SF	\$ 58.44	\$ 58,440.00	\$ 8.14	\$ 8,143.26		\$ -	\$ 66.58	\$ 66,583.26	\$ 78.44	\$ 78,441.74
				\$ -							\$ -	\$ -
<u>Interior Glazing</u>												
Interior glass wall system	300	SF	\$ 45.00	\$ 13,500.00	\$ 8.14	\$ 2,442.98		\$ -	\$ 53.14	\$ 15,942.98	\$ 62.61	\$ 18,782.42
											\$ -	\$ -
Windows & Glazing(Exterior Wall system)	Subtotal			\$ 71,940.00		\$ 10,586.24		\$ -		\$ 82,526.24		\$ 97,224.16
Div. 8/ DOORS & WINDOWS	Subtotals			\$ 105,946.00		\$ 15,992.88		\$ -		\$ 121,938.88		\$ 143,656.19
Div. 9/ FINISHES												
<u>Interior Drywall Assemblies</u>												
<u>Interior of Exterior walls</u>												
Metal Studs	2,660	SF	\$ 2.50	\$ 6,650.00	\$ 1.40	\$ 3,725.20			\$ 3.90	\$ 10,375.20	\$ 4.60	\$ 12,223.03
Batt insulation	2,660	SF	\$ 1.25	\$ 3,325.00	\$ 0.84	\$ 2,235.12			\$ 2.09	\$ 5,560.12	\$ 2.46	\$ 6,550.38
5/8" Gypsum wall board	2,660	SF	\$ 1.64	\$ 4,362.40	\$ 1.40	\$ 3,725.20			\$ 3.04	\$ 8,087.60	\$ 3.58	\$ 9,528.01
<u>Interior Partition walls</u>												
3 5/8" metal studs 16 O.C.	2,550	SF	\$ 2.50	\$ 6,375.00	\$ 1.40	\$ 3,571.15			\$ 3.90	\$ 9,946.15	\$ 4.60	\$ 11,717.56
Sound Attenuation	2,550	SF	\$ 1.25	\$ 3,187.50	\$ 0.67	\$ 1,714.15			\$ 1.92	\$ 4,901.65	\$ 2.26	\$ 5,774.64
5/8" Gypsum wall board	5,100	SF	\$ 1.64	\$ 8,364.00	\$ 1.40	\$ 7,142.31			\$ 3.04	\$ 15,506.31	\$ 3.58	\$ 18,267.98
Interior Drywall Assemblies	Subtotal			\$ 32,263.90		\$ 22,113.15		\$ -		\$ 54,377.05		\$ 64,061.60
<u>Floor Finishes</u>												
	-							\$ -				
Carpet tile Flooring CPT-1	1,360	SF	\$ 2.50	\$ 3,400.00	\$ 1.09	\$ 1,485.00			\$ 3.59	\$ 4,885.00	\$ 4.23	\$ 5,755.01
Ceramic Tile Floor	265	SF	\$ 5.15	\$ 1,364.75	\$ 4.59	\$ 1,215.30			\$ 9.74	\$ 2,580.05	\$ 11.47	\$ 3,039.55
Sealed concrete flooring	315	SF	\$ 1.50	\$ 472.50	\$ 1.36	\$ 429.94			\$ 2.86	\$ 902.44	\$ 3.38	\$ 1,063.16
VCT floor	1,560	SF	\$ 3.08	\$ 4,804.80	\$ 1.09	\$ 1,703.38			\$ 4.17	\$ 6,508.18	\$ 4.91	\$ 7,667.29
Floor Finishes	Subtotal			\$ 10,042.05		\$ 4,833.61		\$ -		\$ 14,875.66		\$ 17,525.01
<u>Wall Finishes</u>												
								\$ -				
4" Rubber base	525	LF	\$ 1.60	\$ 840.00	\$ 1.36	\$ 716.57			\$ 2.96	\$ 1,556.57	\$ 3.49	\$ 1,833.79
Ceramic tile base	133	LF	\$ 4.50	\$ 598.50	\$ 5.46	\$ 726.12			\$ 9.96	\$ 1,324.62	\$ 11.73	\$ 1,560.53
Ceramic tile wall finishes	1,064.00	SF	\$ 5.15	\$ 5,479.60	\$ 4.59	\$ 4,879.52			\$ 9.74	\$ 10,359.12	\$ 11.47	\$ 12,204.08
Wall Finishes	Subtotal			\$ 6,918.10		\$ 6,322.21		\$ -		\$ 13,240.31		\$ 15,598.41
<u>ACT ,GWB , Ceiling Systems</u>												
2x2 ACT ceiling system	1,434	SF	\$ 4.50	\$ 6,454.80	\$ 1.68	\$ 2,410.57			\$ 6.18	\$ 8,865.37	\$ 7.28	\$ 10,444.29
Exposed Structure to be Painted	717	SF	\$ 2.00	\$ 1,434.40	\$ 1.96	\$ 1,406.17			\$ 3.96	\$ 2,840.57	\$ 4.67	\$ 3,346.47
New GWB ceiling system	1,434	SF	\$ 3.50	\$ 5,020.40	\$ 1.68	\$ 2,410.57			\$ 5.18	\$ 7,430.97	\$ 6.10	\$ 8,754.43
ACT ,GWB , Ceiling Systems	Subtotal			\$ 12,909.60		\$ 6,227.31		\$ -		\$ 19,136.91		\$ 22,545.19
<u>Painting</u>												

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Painting to Interior Walls	7,760	SF	\$ 0.50	\$ 3,880.00	\$ 1.17	\$ 9,070.13		\$ -	\$ 1.67	\$ 12,950.13	\$ 1.97	\$ 15,256.55
Interior building painting	3,586	SF	\$ 1.60	\$ 5,737.60	\$ 1.83	\$ 6,569.24			\$ 3.43	\$ 12,306.84	\$ 4.04	\$ 14,498.69
Painting to doors	8	EA	\$ 15.00	\$ 120.00	\$ 93.51	\$ 748.05			\$ 108.51	\$ 868.05	\$ 127.83	\$ 1,022.65
Painting	Subtotal			\$ 9,737.60		\$ 16,387.43		\$ -		\$ 26,125.03		\$ 30,777.89
Div. 9/ FINISHES	Subtotals			\$ 71,871.25		\$ 55,883.70		\$ -		\$ 127,754.95		\$ 150,508.11
Div. 10/ SPECIALTIES												
Bathroom Specialties												
Soap dispenser	3	EA	\$ 75.00	\$ 225.00	\$ 39.71	\$ 119.13			\$ 114.71	\$ 344.13	\$ 135.14	\$ 405.41
Mirrors 18"x 36"	3	EA	\$ 85.00	\$ 255.00	\$ 74.45	\$ 223.36			\$ 159.45	\$ 478.36	\$ 187.85	\$ 563.56
Trash receptacle	3	EA		\$ -	\$ -	\$ -			\$ 250.00	\$ 750.00	\$ 294.53	\$ 883.58
36" Grab bars	3	EA	\$ 36.00	\$ 108.00	\$ 19.85	\$ 59.56			\$ 55.85	\$ 167.56	\$ 65.80	\$ 197.41
42" Grab bars	3	EA	\$ 38.00	\$ 114.00	\$ 19.85	\$ 59.56			\$ 57.85	\$ 173.56	\$ 68.16	\$ 204.47
coat hooks	3	EA	\$ 25.00	\$ 75.00	\$ 24.82	\$ 74.45			\$ 49.82	\$ 149.45	\$ 58.69	\$ 176.07
Changing Stations	3	EA	\$ 1,500.00	\$ 4,500.00	\$ 124.09	\$ 372.27			\$ 1,624.09	\$ 4,872.27	\$ 1,913.34	\$ 5,740.02
Toilet Paper Holder	3	EA	\$ 200.00	\$ 600.00	\$ 49.64	\$ 148.91			\$ 249.64	\$ 748.91	\$ 294.10	\$ 882.29
Paper Towel Dispenser	3	EA	\$ 201.00	\$ 603.00	\$ 99.27	\$ 297.82			\$ 300.27	\$ 900.82	\$ 353.75	\$ 1,061.25
Bathroom Specialties	Subtotal			\$ 6,480.00		\$ 1,355.06		\$ -		\$ 8,585.06		\$ 10,114.06
Building Signage												
Door Signage	8	EA	\$ 125.00	\$ 1,000.00	\$ 49.64	\$ 397.09			\$ 174.64	\$ 1,397.09	\$ 205.74	\$ 1,645.91
Building Signage	Subtotal			\$ 1,000.00		\$ 397.09		\$ -		\$ 1,397.09		\$ 1,645.91
Div. 10/ SPECIALTIES	Subtotals			\$ 7,480.00		\$ 1,752.15		\$ -		\$ 9,982.15		\$ 11,759.97
Div. 12/ FURNISHING												
Shelves, Cabinets & Countertops												
counter- top, Solid Surface		LF	\$ 42.07	\$ -	\$ 17.93	\$ -			\$ 60.00	\$ -	\$ 70.68	\$ -
Auditorium Seating		EA	\$ 150.00	\$ -	\$ 56.02	\$ -			\$ 206.02	\$ -	\$ 242.71	\$ -
Base cabinets	65	LF	\$ 300.00	\$ 19,500.00	\$ 56.02	\$ 3,641.18			\$ 356.02	\$ 23,141.18	\$ 419.42	\$ 27,262.62
Classroom wall shelves 8' tall		LF	\$ 150.00	\$ -	\$ 59.77	\$ -			\$ 209.77	\$ -	\$ 247.13	\$ -
Custom Portable Moot Court Premium Judge Benches		EA	\$ 200.00	\$ -	\$ -	\$ -			\$ 200.00	\$ -	\$ 235.62	\$ -
Custom Portable Moot Court Premium Judge Benches , Long		LF	\$ 25.00	\$ -	\$ -	\$ -			\$ 25.00	\$ -	\$ 29.45	\$ -
Fabric Upholstered Seats	-	LF	\$ 30.00	\$ -	\$ -	\$ -			\$ 30.00	\$ -	\$ 35.34	\$ -
Lab base cabinets; laminate		LF	\$ 181.00	\$ -	\$ 44.81	\$ -			\$ 225.81	\$ -	\$ 266.03	\$ -
Lab counter tops;		LF	\$ 42.07	\$ -	\$ 17.93	\$ -			\$ 60.00	\$ -	\$ 70.68	\$ -
Lab wall cabinets; laminate		LF	\$ 181.00	\$ -	\$ 33.61	\$ -			\$ 214.61	\$ -	\$ 252.83	\$ -
Media center cabinets		LF	\$ 49.21	\$ -	\$ 89.63	\$ -			\$ 138.84	\$ -	\$ 163.57	\$ -
Media Center desk		LF	\$ 450.00	\$ -	\$ 67.22	\$ -			\$ 517.22	\$ -	\$ 609.34	\$ -
Reception desk	-	LF	\$ 550.00	\$ -	\$ 67.22	\$ -			\$ 617.22	\$ -	\$ 727.15	\$ -
Wall cabinets	-	LF	\$ 250.00	\$ -	\$ 56.02	\$ -			\$ 306.02	\$ -	\$ 360.52	\$ -
Allowance for furniture	3,586	LF		\$ -	\$ -	\$ -			\$ 5.00	\$ 17,930.00	\$ 5.89	\$ 21,123.33

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
<i>Shelves, Cabinets & Countertops</i>	<i>Subtotal</i>			\$ 19,500.00		\$ 3,641.18		\$ -		\$ 41,071.18		\$ 48,385.95
Div. 12/ FURNISHING	Subtotals			\$ 19,500.00		\$ 3,641.18		\$ -		\$ 41,071.18		\$ 48,385.95
Div. 13/ Special Construction												
Aluminum Canopy												
Aluminum Canopy System; structural Steel and footings	6,875	SF	\$ 50.00	\$ 343,750.00	\$ 17.84	\$ 122,653.18			\$ 67.84	\$ 466,403.18	\$ 79.92	\$ 549,469.59
Aluminum Canopy	Subtotal			\$ 343,750.00		\$ 122,653.18		\$ -	\$ 67.84	\$ 466,403.18	\$ 79.92	\$ 549,469.59
Div. 13/ Special Construction	Subtotals			\$ 343,750.00		\$ 122,653.18		\$ -		\$ 466,403.18		\$ 549,469.59
Div. 22/ PLUMBING												
Div. 22/ PLUMBING												
PLUMBING FIXTURES & EQUIPMENT				\$ -								
Water closets with rough-in	3	EA	\$ 2,752.00	\$ 8,256.00	\$ 1,179.47	\$ 3,538.40			\$ 3,931.47	\$ 11,794.40	\$ 4,631.66	\$ 13,894.99
Wall hung lavatories with rough-in	3	EA	\$ 1,820.00	\$ 5,460.00	\$ 1,010.97	\$ 3,032.92			\$ 2,830.97	\$ 8,492.92	\$ 3,335.17	\$ 10,005.50
New water fountains with rough in	2	EA	\$ 2,570.00	\$ 5,140.00	\$ 673.98	\$ 1,347.96			\$ 3,243.98	\$ 6,487.96	\$ 3,821.73	\$ 7,643.47
Kitchen sink including rough-in	1	EA	\$ 982.00	\$ 982.00	\$ 1,246.87	\$ 1,246.87			\$ 2,228.87	\$ 2,228.87	\$ 2,625.83	\$ 2,625.83
Janitors Sink including rough-in	1	EA	\$ 4,020.00	\$ 4,020.00	\$ 1,347.96	\$ 1,347.96			\$ 5,367.96	\$ 5,367.96	\$ 6,324.00	\$ 6,324.00
30 gal 4.5 KW water heater , 1/20 HP dom CW recirculation pump	1	EA	\$ 2,500.00	\$ 2,500.00	\$ 673.98	\$ 673.98			\$ 3,173.98	\$ 3,173.98	\$ 3,739.27	\$ 3,739.27
Piping												
Domestic Water Piping	3,586	SF		\$ -	\$ -	\$ -			\$ 3.65	\$ 13,088.90	\$ 4.30	\$ 15,420.03
Sanitary, Vent & Storm Piping	3,586	SF		\$ -	\$ -	\$ -			\$ 7.07	\$ 25,353.02	\$ 8.33	\$ 29,868.39
Floor & Roof Drains	3,586	SF		\$ -	\$ -	\$ -			\$ 0.90	\$ 3,227.40	\$ 1.06	\$ 3,802.20
Miscellaneous Plumbing Work	3,586	SF		\$ -	\$ -	\$ -			\$ 0.25	\$ 896.50	\$ 0.29	\$ 1,056.17
Div. 22/ PLUMBING	Subtotal			\$ 26,358.00		\$ 11,188.09		\$ -		\$ 80,111.91		\$ 94,379.84
Div. 22/ PLUMBING	Subtotals			\$ 26,358.00		\$ 11,188.09		\$ -		\$ 80,111.91		\$ 94,379.84
Div. 23/ HVAC												
Div. 23/ HVAC												
HVAC												
HVAC Equipment	3,586	SF		\$ -	\$ -	\$ -			\$ 9.65	\$ 34,594.14	\$ 11.37	\$ 40,755.36
Air distribution	3,586	SF		\$ -	\$ -	\$ -			\$ 16.73	\$ 59,997.37	\$ 19.71	\$ 70,682.90
HVAC Piping	3,586	SF		\$ -	\$ -	\$ -			\$ 7.96	\$ 28,558.90	\$ 9.38	\$ 33,645.24
Carbon dioxide	3,586	SF		\$ -	\$ -	\$ -			\$ 1.65	\$ 5,916.90	\$ 1.94	\$ 6,970.70
Testing and balancing	3,586	SF		\$ -	\$ -	\$ -			\$ 1.93	\$ 6,903.05	\$ 2.27	\$ 8,132.48
Allowance for miscellaneous HVAC work; including welding and fittings	3,586	SF		\$ -	\$ -	\$ -			\$ 3.03	\$ 10,847.65	\$ 3.56	\$ 12,779.62
Commissioning	3,586	SF		\$ -	\$ -	\$ -			\$ 0.66	\$ 2,366.76	\$ 0.78	\$ 2,788.28
Div. 23/ HVAC	Subtotal			\$ -		\$ -		\$ -		\$ 149,184.77		\$ 175,754.58
Div. 23/ HVAC	Subtotals			\$ -		\$ -		\$ -		\$ 149,184.77		\$ 175,754.58

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 25/ INTEGRATED AUTOMATION												
<i>DDC Controls</i>												
DDC controls	3,586	SF		\$ -	\$ -	\$ -			\$ 4.00	\$ 14,344.00	\$ 4.71	\$ 16,898.67
DDC Controls	Subtotal			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67
Div. 25/ INTEGRATED AUTOMATION	Subtotals			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 26/ ELECTRICALS												
Fixture, Power & Lighting												
Service Distribution	3,586	SF		\$ -	\$ -	\$ -			\$ 12.35	\$ 44,287.10	\$ 14.55	\$ 52,174.63
Power Devices & Wiring	3,586	SF		\$ -	\$ -	\$ -			\$ 7.80	\$ 27,970.80	\$ 9.19	\$ 32,952.40
Miscellaneous Power	3,586	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 5,379.00	\$ 1.77	\$ 6,337.00
Lighting Fixtures & Wiring	3,586	SF		\$ -	\$ -	\$ -			\$ 8.95	\$ 32,094.70	\$ 10.54	\$ 37,810.77
Monocrystalline solar panel system	3,586	SF		\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -
Allowance for miscellaneous electrical work	3,586	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 5,379.00	\$ 1.77	\$ 6,337.00
Allowance for Site Lighting	186,296	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 279,444.00	\$ 1.77	\$ 329,212.98
Allowance for Canopy lightng	6,875	SF		\$ -	\$ -	\$ -			\$ 2.00	\$ 13,750.00	\$ 2.36	\$ 16,198.88
Fixture, Power & Lighting	Subtotal			\$ -		\$ -		\$ -		\$ 408,304.60		\$ 481,023.65
Div. 26/ ELECTRICALS	Subtotals			\$ -		\$ -		\$ -		\$ 408,304.60		\$ 481,023.65

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 27/ COMMUNICATIONS												
<u>Div. 27/ COMMUNICATIONS</u>												
Allowance for Communication devices and conduits	3,586	SF		\$ -	\$ -	\$ -			\$ 4.00	\$ 14,344.00	\$ 4.71	\$ 16,898.67
Div. 27/ COMMUNICATIONS	Subtotal			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67
Div. 27/ COMMUNICATIONS	Subtotals			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67
Div. 28/ ELECTRONIC SAFETY & SECURITY												
<u>Electronic Safety & Security</u>												
Allowance for Electronic Safety & Security	3,586	SF		\$ -	\$ -	\$ -			\$ 4.00	\$ 14,344.00	\$ 4.71	\$ 16,898.67
Electronic Safety & Security	Subtotal			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67
Div. 28/ ELECTRONIC SAFETY & SECURITY	Subtotals			\$ -		\$ -		\$ -		\$ 14,344.00		\$ 16,898.67
Div. 31/ Earthwork												
<u>Div. 31/ Earthwork</u>												
Rough grading	6,899.85	CY		\$ -	\$ 2.98	\$ 20,548.82	\$ 2.14	\$ 14,765.68	\$ 5.12	\$ 35,314.50	\$ 6.03	\$ 41,604.01
Fine grading	20,699.56	SY		\$ -	\$ 0.40	\$ 8,219.53	\$ 0.58	\$ 12,005.74	\$ 0.98	\$ 20,225.27	\$ 1.15	\$ 23,827.39
Main Building Excavation	531	CY		\$ -	\$ 24.82	\$ 13,184.76	\$ 4.85	\$ 2,576.61	\$ 29.67	\$ 15,761.37	\$ 34.95	\$ 18,568.47
Backfilling & Compaction	266	CY		\$ -	\$ 24.82	\$ 6,592.38	\$ 4.85	\$ 1,288.30	\$ 29.67	\$ 7,880.68	\$ 34.95	\$ 9,284.23
Storm water management facility (Bio- retention area)	5,521	SF	\$ 10.00	\$ 55,210.00	\$ 3.23	\$ 17,812.58	\$ 0.50	\$ 2,760.50	\$ 13.73	\$ 75,783.08	\$ 16.17	\$ 89,280.05
Silt fence	2180	LF	\$ 3.00	\$ 6,540.00	\$ 1.49	\$ 3,246.19		\$ -	\$ 4.49	\$ 9,786.19	\$ 5.29	\$ 11,529.11
SCE areas	500	SF	\$ 2.50	\$ 1,250.00	\$ 1.49	\$ 744.54		\$ -	\$ 3.99	\$ 1,994.54	\$ 4.70	\$ 2,349.77
Div. 31/ Earthwork	Subtotal			\$ 63,000.00		\$ 70,348.79		\$ 33,396.84		\$ 166,745.63		\$ 196,443.02
Div. 31/ Earthwork	Subtotals			\$ 63,000.00		\$ 70,348.79		\$ 33,396.84		\$ 166,745.63		\$ 196,443.02
Div. 32/ Exterior Improvements												
<u>Site Concrete & Paving</u>												
Allowance for site benches	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 10,000.00	\$ 10,000.00	\$ 11,781.00	\$ 11,781.00
Standard Asphalt pavement	4,429	SY	\$ 18.00	\$ 79,718.00	\$ 2.48	\$ 10,991.32	\$ 2.26	\$ 10,009.04	\$ 22.74	\$ 100,718.35	\$ 26.79	\$ 118,656.29
Concrete Base for security railings	2,685	SF	\$ 6.15	\$ 16,512.75	\$ 4.96	\$ 13,327.24		\$ -	\$ 11.11	\$ 29,839.99	\$ 13.09	\$ 35,154.49
Concrete steps	2	EA	\$ 3,500.00	\$ 7,000.00	\$ 397.09	\$ 794.17		\$ -	\$ 3,897.09	\$ 7,794.17	\$ 4,591.16	\$ 9,182.32
Exterior Concrete Stairs	150	LF	\$ 36.00	\$ 5,400.00	\$ 34.75	\$ 5,211.77		\$ -	\$ 70.75	\$ 10,611.77	\$ 83.34	\$ 12,501.72
Concrete Curb	1,677	LF	\$ 6.50	\$ 10,900.50	\$ 4.96	\$ 8,323.94		\$ -	\$ 11.46	\$ 19,224.44	\$ 13.51	\$ 22,648.31
Cross walk	40	LF	\$ 3.00	\$ 120.00	\$ 1.49	\$ 59.56	\$ 5.00	\$ 200.00	\$ 9.49	\$ 379.56	\$ 11.18	\$ 447.16
Heavy duty asphalt roadway	24,022	SF	\$ 3.00	\$ 72,066.00	\$ 1.49	\$ 35,770.60	\$ 0.20	\$ 4,804.40	\$ 4.69	\$ 112,641.00	\$ 5.52	\$ 132,702.36
New retaining walls	560	LF	\$ 164.00	\$ 91,840.00	\$ 114.46	\$ 64,097.80	\$ 27.74	\$ 15,534.40	\$ 306.20	\$ 171,472.20	\$ 360.73	\$ 202,011.39
Tactile Strip	785	LF	\$ 3.50	\$ 2,747.50	\$ 1.74	\$ 1,363.75	\$ 1.50	\$ 1,177.50	\$ 6.74	\$ 5,288.75	\$ 7.94	\$ 6,230.67
Concrete Sidewalk	12,808	SF	\$ 5.50	\$ 70,444.00	\$ 2.48	\$ 31,786.82		\$ -	\$ 7.98	\$ 102,230.82	\$ 9.40	\$ 120,438.13
Concrete Ramp	610	SF	\$ 30.00	\$ 18,300.00	\$ 9.93	\$ 6,055.58		\$ -	\$ 39.93	\$ 24,355.58	\$ 47.04	\$ 28,693.31

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Allowance for parking stripes	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 20,000.00	\$ 20,000.00	\$ 23,562.00	\$ 23,562.00
Ramps	2	EA	\$ 500.00	\$ 1,000.00	\$ 198.54	\$ 397.09		\$ -	\$ 698.54	\$ 1,397.09	\$ 822.95	\$ 1,645.91
Flush Curb	25	LF	\$ 5.50	\$ 137.50	\$ 7.45	\$ 186.13		\$ -	\$ 12.95	\$ 323.63	\$ 15.25	\$ 381.27
Site Concrete & Paving	Subtotal			\$ 376,186.25		\$ 178,365.75		\$ 31,725.34		\$ 616,277.34		\$ 726,036.34
Landscaping												
Allowance for miscellaneous Landscape work	46,300.0	SF	\$ 1.50	\$ 69,450.00	\$ 0.74	\$ 34,472.12		\$ -	\$ 2.24	\$ 103,922.12	\$ 2.64	\$ 122,430.65
Landscaping	Subtotal			\$ 69,450.00		\$ 34,472.12		\$ -		\$ 103,922.12		\$ 122,430.65
Site Metals												
Heavy Duty Railings	710	LF	\$ 80.00	\$ 56,800.00	\$ 9.93	\$ 7,048.30		\$ -	\$ 89.93	\$ 63,848.30	\$ 105.94	\$ 75,219.68
Regular Star Railings	550	LF	\$ 60.00	\$ 33,000.00	\$ 9.93	\$ 5,459.95		\$ -	\$ 69.93	\$ 38,459.95	\$ 82.38	\$ 45,309.66
Site Metals	Subtotal			\$ 89,800.00		\$ 12,508.24		\$ -		\$ 102,308.24		\$ 120,529.34
Miscellaneous Sitework												
Bike Rack	5	EA	\$ 425.00	\$ 2,125.00	\$ 148.91	\$ 744.54		\$ -	\$ 573.91	\$ 2,869.54	\$ 676.12	\$ 3,380.60
Miscellaneous Sitework	Subtotal			\$ 2,125.00		\$ 744.54		\$ -		\$ 2,869.54		\$ 3,380.60
Div. 32/ Exterior Improvements	Subtotal			\$ 1,075,122.50		\$ 452,181.31		\$ 63,450.68		\$ 1,650,754.49		\$ 1,944,753.86
Div. 32/ Exterior Improvements	Subtotals			\$ 1,075,122.50		\$ 452,181.31		\$ 63,450.68		\$ 1,650,754.49		\$ 1,944,753.86
Div. 33/ Utilities												
Div. 33/ Utilities												
Storm Utilities												
12" HDPE pipe	195	LF	\$ 43.00	\$ 8,385.00	\$ 21.06	\$ 4,107.07		\$ -	\$ 64.06	\$ 12,492.07	\$ 75.47	\$ 14,716.91
15" HDPE pipe	45	LF	\$ 55.00	\$ 2,475.00	\$ 21.06	\$ 947.79		\$ -	\$ 76.06	\$ 3,422.79	\$ 89.61	\$ 4,032.38
SWM Facility perforated PVC Pipe	400	LF	\$ 10.00	\$ 4,000.00	\$ 12.64	\$ 5,054.86		\$ -	\$ 22.64	\$ 9,054.86	\$ 26.67	\$ 10,667.53
24" pipe	62	LF	\$ 75.00	\$ 4,650.00	\$ 16.85	\$ 1,044.67		\$ -	\$ 91.85	\$ 5,694.67	\$ 108.21	\$ 6,708.89
30" pipe	63	LF	\$ 85.00	\$ 5,355.00	\$ 21.06	\$ 1,326.90		\$ -	\$ 106.06	\$ 6,681.90	\$ 124.95	\$ 7,871.95
Concrete Manhole, 48" dia.	2	EA	\$ 2,009.00	\$ 4,018.00	\$ 2,190.44	\$ 4,380.88		\$ -	\$ 4,199.44	\$ 8,398.88	\$ 4,947.36	\$ 9,894.72
Cleanout	6	EA	\$ 1,500.00	\$ 9,000.00	\$ 168.50	\$ 1,010.97		\$ -	\$ 1,668.50	\$ 10,010.97	\$ 1,965.65	\$ 11,793.93
Allowance for ADS detention system	2592	SF	\$ 20.00	\$ 51,840.00	\$ 8.42	\$ 21,837.00		\$ -	\$ 28.42	\$ 73,677.00	\$ 33.49	\$ 86,798.87
Water Distribution								\$ -	\$ -	\$ -	\$ -	\$ -
4" PVC pipe	30	FT	\$ 30.00	\$ 900.00	\$ 21.06	\$ 631.86		\$ -	\$ 51.06	\$ 1,531.86	\$ 60.16	\$ 1,804.68
Sanitary								\$ -	\$ -	\$ -	\$ -	\$ -
6" sanitary	70	LF	\$ 50.00	\$ 3,500.00	\$ 21.06	\$ 1,474.33		\$ -	\$ 71.06	\$ 4,974.33	\$ 83.72	\$ 5,860.26
Gas line connection to building								\$ -	\$ -	\$ -	\$ -	\$ -
Gas line connection to building	20	LF	\$ 30.00	\$ 600.00	\$ 21.06	\$ 421.24		\$ -	\$ 51.06	\$ 1,021.24	\$ 60.16	\$ 1,203.12
Div. 33/ Utilities	Subtotal			\$ 98,023.00		\$ 44,596.51		\$ -	\$ 305,794.50	\$ 142,619.51	\$ 360,256.50	\$ 168,020.04
Div. 33/ Utilities	Subtotals			\$ 98,023.00		\$ 44,596.51		\$ -	\$ 305,794.50	\$ 142,619.51	\$ 360,256.50	\$ 168,020.04

ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
DIRECT SUBTOTAL										\$ 4,235,466.64		\$ 4,989,803.24

CONCEPT 2

BUILDING SQFT	3,667	SF	MATERIALS		LABOR		EQUIPMENT		DIRECT COST		SUB-COST	
ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 2 / EXISITNG CONDITIONS												
<u>Demolition</u>												
<u>Site Demolition</u>												
Allowance for site demolition;	186,296	SF		\$ -	\$ 0.99	\$ 184,939.34	\$ 0.15	\$ 27,944.40	\$ 1.14	\$ 212,883.74	\$ 1.35	\$ 250,798.33
<u>General Demolition Related</u>												
Hauling off debris	574.99	Trips	\$ -	\$ -	\$ 89.86	\$ 51,668.25	\$ 100.00	\$ 57,498.77	\$ 189.86	\$ 109,167.01	\$ 223.67	\$ 128,609.66
Dump Fee	575	Trips	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120.00	\$ 68,998.52	\$ 141.37	\$ 81,287.15
Demolition	Subtotal			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div. 2 / EXISITNG CONDITIONS	Subtotals			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div.3/ CONCRETE												
<u>Foundation System</u>												
New Concrete Foundation System; including formwork and reinforcement	3,667	SF	\$ 15.00	\$ 55,005.00	\$ 7.77	\$ 28,483.26	\$ 1.50	\$ 5,500.50	\$ 24.27	\$ 88,988.76	\$ 28.59	\$ 104,837.65
<u>Exterior Walls</u>												
Formwork for sides of footing	8,120	SF	\$ 1.09	\$ 8,850.80	\$ 7.66	\$ 62,230.77	\$ -	\$ -	\$ 8.75	\$ 71,081.57	\$ 10.31	\$ 83,741.20
Steel reinforcements to footings	10,525.93	Lb.	\$ 0.60	\$ 6,315.56	\$ 0.52	\$ 5,450.64	\$ -	\$ -	\$ 1.12	\$ 11,766.20	\$ 1.32	\$ 13,861.76
Concrete to walls	150	CY	\$ 210.00	\$ 31,577.78	\$ 51.78	\$ 7,786.63	\$ 30.00	\$ 4,511.11	\$ 291.78	\$ 43,875.52	\$ 343.75	\$ 51,689.75
Foundation System	Subtotal			\$ 101,749.13		\$ 103,951.31		\$ 10,011.61		\$ 215,712.05		\$ 254,130.37
<u>Concrete Slab</u>												
<u>Concrete Slab On Grade</u>												
5" thick concrete slab on grade including formwork and reinforcement, 10 polythene vapor barrier, 6" crush stone	3,667	SF	\$ 4.55	\$ 16,684.85	\$ 3.88	\$ 14,241.63	\$ -	\$ -	\$ 8.43	\$ 30,926.48	\$ 9.94	\$ 36,434.48
Concrete Slab	Subtotal			\$ 16,684.85		\$ 14,241.63		\$ -		\$ 30,926.48		\$ 36,434.48
<u>Miscellaneous Concrete</u>												
Foundation drainage	290	LF	\$ 4.50	\$ 1,305.00	\$ 2.59	\$ 750.85	\$ -	\$ -	\$ 7.09	\$ 2,055.85	\$ 8.35	\$ 2,422.00
Foundation waterproofing	870	SF	\$ 1.50	\$ 1,305.00	\$ 0.52	\$ 450.51	\$ -	\$ -	\$ 2.02	\$ 1,755.51	\$ 2.38	\$ 2,068.17
Allowance for miscellaneous foundation work	3,667	SF	\$ 0.50	\$ 1,833.50	\$ 0.52	\$ 1,898.88	\$ -	\$ -	\$ 1.02	\$ 3,732.38	\$ 1.20	\$ 4,397.12
Miscellaneous Concrete	Subtotal			\$ 4,443.50		\$ 3,100.25		\$ -		\$ 7,543.75		\$ 8,887.29
Div.3/ CONCRETE	Subtotals			\$ 122,877.48		\$ 121,293.18		\$ 10,011.61		\$ 254,182.28		\$ 299,452.14
Div. 5 / METALS												
<u>Structural Steel Framing</u>												

Structural Steel in Building	18	TON	\$ 4,326.40	\$ 79,324.54	\$ 734.80	\$ 13,472.54	\$ 382.00	\$ 7,003.97	\$ 5,443.20	\$ 99,801.05	\$ 6,412.63	\$ 117,575.62
							\$ 1.20					
Structural Steel Framing	Subtotal			\$ 79,324.54		\$ 13,472.54		\$ 7,003.97		\$ 99,801.05		\$ 117,575.62
<u>Metal Decking</u>												
Steel deck @ roof deck 1 1/2", 20 ga	3,667	SF	\$ 1.82	\$ 6,673.94	\$ 0.44	\$ 1,629.00	\$ 0.03	\$ 110.01	\$ 2.29	\$ 8,412.95	\$ 2.70	\$ 9,911.30
Metal Decking	Subtotal			\$ 6,673.94		\$ 1,629.00		\$ 110.01		\$ 8,412.95		\$ 9,911.30
<u>Miscellaneous Metal Work</u>												
Allowance for Miscellaneous metal work	3,667	SF	\$ 1.25	\$ 4,583.75	\$ 1.27	\$ 4,654.29		\$ -	\$ 2.52	\$ 9,238.04	\$ 2.97	\$ 10,883.33
Miscellaneous Metal Work	Subtotal			\$ 4,583.75		\$ 4,654.29		\$ -		\$ 9,238.04		\$ 10,883.33
Div. 5 / METALS	Subtotals			\$ 90,582.23		\$ 19,755.83		\$ 7,113.98		\$ 117,452.04		\$ 138,370.25
Div. 6 / WOOD & PLASTICS												
<u>Rough Carpentry</u>												
Rough carpentry; wood blocking, etc.	3,667	SF	\$ 0.75	\$ 2,750.25	\$ 0.56	\$ 2,054.18		\$ -	\$ 1.31	\$ 4,804.43	\$ 1.54	\$ 5,660.10
Rough Carpentry	Subtotal			\$ 2,750.25		\$ 2,054.18		\$ -		\$ 4,804.43		\$ 5,660.10
<u>Fine Carpentry</u>												
Miscellaneous finished carpentry work; including millwork	3,667	SF	\$ 1.75	\$ 6,417.25	\$ 1.68	\$ 6,162.55		\$ -	\$ 3.43	\$ 12,579.80	\$ 4.04	\$ 14,820.27
Fine Carpentry	Subtotal			\$ 6,417.25		\$ 6,162.55		\$ -		\$ 12,579.80		\$ 14,820.27
Div. 6 / WOOD & PLASTICS	Subtotals			\$ 9,167.50		\$ 8,216.74		\$ -		\$ 17,384.24		\$ 20,480.37
Div. 7 / THERMAL & MOISTURE PROTECTION												
<u>Insulation</u>												
Building insulation	3,667	SF	\$ 1.05	\$ 3,850.35	\$ 0.50	\$ 1,820.81		\$ -	\$ 1.55	\$ 5,671.16	\$ 1.82	\$ 6,681.20
Insulation	Subtotal			\$ 3,850.35		\$ 1,820.81		\$ -		\$ 5,671.16		\$ 6,681.20
<u>Waterproofing</u>												
Building waterproofing	3,667	SF	\$ 0.73	\$ 2,676.91	\$ 0.50	\$ 1,820.81		\$ -	\$ 1.23	\$ 4,497.72	\$ 1.44	\$ 5,298.77
Waterproofing	Subtotal			\$ 2,676.91		\$ 1,820.81		\$ -		\$ 4,497.72		\$ 5,298.77
<u>Caulking & Sealants</u>												
Caulking and sealant	3,667	SF	\$ 0.90	\$ 3,300.30	\$ 0.50	\$ 1,820.81		\$ -	\$ 1.40	\$ 5,121.11	\$ 1.65	\$ 6,033.18
Caulking & Sealants	Subtotal			\$ 3,300.30		\$ 1,820.81		\$ -		\$ 5,121.11		\$ 6,033.18
<u>Fireproofing</u>												
Allowance for building fireproofing	3,667	SF	\$ 0.90	\$ 3,300.30	\$ 0.50	\$ 1,820.81		\$ -	\$ 1.40	\$ 5,121.11	\$ 1.65	\$ 6,033.18

Fireproofing	Subtotal			\$ 3,300.30		\$ 1,820.81		\$ -	\$ -	\$ 5,121.11		\$ -	\$ 6,033.18
Roofing													
Roof gutters	290	LF	\$ 11.50	\$ 3,335.00	\$ 2.77	\$ 802.33	\$ -	\$ 14.27	\$ 4,137.33	\$ 16.81	\$ 4,874.18		
Downspout	150	LF	\$ 15.00	\$ 2,250.00	\$ 3.32	\$ 498.00	\$ -	\$ 18.32	\$ 2,748.00	\$ 21.58	\$ 3,237.41		
Single Ply Membrane roofing	3,865	SF	\$ 7.50	\$ 28,987.64	\$ 5.53	\$ 21,386.26	\$ -	\$ 13.03	\$ 50,373.89	\$ 15.35	\$ 59,345.48		
Allowance for miscellaneous roof work	3,865	SF	\$ 0.75	\$ 2,898.76	\$ 0.73	\$ 2,832.15	\$ -	\$ 1.48	\$ 5,730.92	\$ 1.75	\$ 6,751.59		
									\$ -	\$ -	\$ -		
Roofing	Subtotal			\$ 37,471.40		\$ 25,518.73		\$ -	\$ 62,990.13		\$ 74,208.67		
Siding													
Exterior Panel Siding	1,435	SF	\$ 15.00	\$ 21,525.00	\$ 7.33	\$ 10,515.18	\$ -	\$ 22.33	\$ 32,040.18	\$ 26.30	\$ 37,746.54		
									\$ -	\$ -	\$ -		
Siding	Subtotal			\$ 21,525.00		\$ 10,515.18		\$ -	\$ 32,040.18		\$ 37,746.54		
Div. 7 / THERMAL & MOISTURE PROTECTION	Subtotals			\$ 72,124.26		\$ 43,317.17		\$ -	\$ 115,441.42		\$ 136,001.54		
Div. 8/ DOORS & WINDOWS													
Double Doors													
Double Door Frame													
Exterior double door Aluminum frames	-	EA	\$ 500.00	\$ -	\$ 224.07	\$ -	\$ -	\$ 724.07	\$ -	\$ 853.03	\$ -		
Double Door													
Exterior Storefront door assembly, double	1	EA	\$ 8,190.00	\$ 8,190.00	\$ 560.18	\$ 560.18	\$ -	\$ 8,750.18	\$ 8,750.18	\$ 10,308.59	\$ 10,308.59		
Exterior door double	3	EA	\$ 3,500.00	\$ 10,500.00	\$ 336.11	\$ 1,008.33	\$ -	\$ 3,836.11	\$ 11,508.33	\$ 4,519.32	\$ 13,557.96		
Exterior door single	1	EA	\$ 1,250.00	\$ 1,250.00	\$ 224.07	\$ 224.07	\$ -	\$ 1,474.07	\$ 1,474.07	\$ 1,736.60	\$ 1,736.60		
									\$ -	\$ -	\$ -		
Double Doors	Subtotal			\$ 19,940.00		\$ 1,792.58		\$ -	\$ 21,732.58		\$ 25,603.15		
Single Doors													
Single Doors													
3'-0"X7'-0" SCW Door with hollow metal frame	7	EA	\$ 1,500.00	\$ 10,500.00	\$ 224.07	\$ 1,568.51	\$ -	\$ 1,724.07	\$ 12,068.51	\$ 2,031.13	\$ 14,217.91		
									\$ -	\$ -	\$ -		
Single Doors	Subtotal			\$ 10,500.00		\$ 1,568.51		\$ -	\$ 12,068.51		\$ 14,217.91		
Double Doors													
6'-0"X7'-0" Type 'F' Flush HM Dbl. Doors w/ HM Frame	1	EA	\$ 1,800.00	\$ 1,800.00	\$ 336.11	\$ 336.11	\$ -	\$ 2,136.11	\$ 2,136.11	\$ 2,516.55	\$ 2,516.55		
									\$ -	\$ -	\$ -		
Single Doors	Subtotal			\$ 1,800.00		\$ 336.11		\$ -	\$ 2,136.11		\$ 2,516.55		
Door Hardware & Miscellaneous													
Interior Door Hardware single	7	EA	\$ 450.00	\$ 3,150.00	\$ 149.40	\$ 1,045.80	\$ -	\$ 599.40	\$ 4,195.80	\$ 706.15	\$ 4,943.07		
Interior Door Hardware Double	1	EA	\$ 635.00	\$ 635.00	\$ 149.40	\$ 149.40	\$ -	\$ 784.40	\$ 784.40	\$ 924.10	\$ 924.10		
Door thresholds	40	LF	\$ 9.40	\$ 376.00	\$ 9.36	\$ 374.20	\$ -	\$ 18.76	\$ 750.20	\$ 22.10	\$ 883.81		
Metal Kick plates	17	EA	\$ 65.00	\$ 1,105.00	\$ 28.01	\$ 476.15	\$ -	\$ 93.01	\$ 1,581.15	\$ 109.57	\$ 1,862.76		
									\$ -	\$ -	\$ -		
Door Hardware & Miscellaneous	Subtotal			\$ 5,266.00		\$ 2,045.56		\$ -	\$ 7,311.56		\$ 8,613.75		
Windows & Glazing(Exterior Wall system)													
Exterior Glazing													
Exterior storefront Curtain wall	1,300	SF	\$ 58.44	\$ 75,972.00	\$ 8.14	\$ 10,586.24	\$ -	\$ 66.58	\$ 86,558.24	\$ 78.44	\$ 101,974.26		
Exterior windows	-	SF	\$ 85.00	\$ -	\$ 11.49	\$ -	\$ -	\$ 96.49	\$ -	\$ 113.67	\$ -		

Window sun shades		SF	\$ 15.00	\$ -	\$ 2.87	\$ -		\$ -	\$ 17.87	\$ -	\$ 21.05	\$ -
				\$ -							\$ -	\$ -
Interior Glazing											\$ -	\$ -
Interior glass wall system	300	SF	\$ 45.00	\$ 13,500.00	\$ 8.14	\$ 2,442.98		\$ -	\$ 53.14	\$ 15,942.98	\$ 62.61	\$ 18,782.42
											\$ -	\$ -
Windows & Glazing(Exterior Wall system)	Subtotal			\$ 89,472.00		\$ 13,029.21		\$ -		\$ 102,501.21		\$ 120,756.68
Div. 8/ DOORS & WINDOWS	Subtotals			\$ 126,978.00		\$ 18,771.97		\$ -		\$ 145,749.97		\$ 171,708.04
Div. 9/ FINISHES												
Interior Drywall Assemblies												
Interior of Exterior walls												
Metal Studs	2,900	SF	\$ 2.50	\$ 7,250.00	\$ 1.40	\$ 4,061.31		\$ 3.90	\$ 11,311.31	\$ 4.60	\$ 13,325.86	
Batt insulation	2,900	SF	\$ 1.25	\$ 3,625.00	\$ 0.84	\$ 2,436.79		\$ 2.09	\$ 6,061.79	\$ 2.46	\$ 7,141.39	
5/8" Gypsum wall board	2,900	SF	\$ 1.64	\$ 4,756.00	\$ 1.40	\$ 4,061.31		\$ 3.04	\$ 8,817.31	\$ 3.58	\$ 10,387.68	
Interior Partition walls												
3 5/8" metal studs 16 O.C.	3,220	SF	\$ 2.50	\$ 8,050.00	\$ 1.40	\$ 4,509.46		\$ 3.90	\$ 12,559.46	\$ 4.60	\$ 14,796.30	
Sound Attenuation	3,220	SF	\$ 1.25	\$ 4,025.00	\$ 0.67	\$ 2,164.54		\$ 1.92	\$ 6,189.54	\$ 2.26	\$ 7,291.90	
5/8" Gypsum wall board	6,440	SF	\$ 1.64	\$ 10,561.60	\$ 1.40	\$ 9,018.92		\$ 3.04	\$ 19,580.52	\$ 3.58	\$ 23,067.81	
Interior Drywall Assemblies	Subtotal			\$ 38,267.60		\$ 26,252.33		\$ -		\$ 64,519.93		\$ 76,010.93
Floor Finishes												
Carpet tile Flooring CPT-1	651	SF	\$ 2.50	\$ 1,627.50	\$ 1.09	\$ 710.83		\$ -	\$ 3.59	\$ 2,338.33	\$ 4.23	\$ 2,754.79
Ceramic Tile Floor	250	SF	\$ 5.15	\$ 1,287.50	\$ 4.59	\$ 1,146.50		\$ 9.74	\$ 2,434.00	\$ 11.47	\$ 2,867.50	
Sealed concrete flooring	1,095	SF	\$ 1.50	\$ 1,642.50	\$ 1.36	\$ 1,494.55		\$ 2.86	\$ 3,137.05	\$ 3.38	\$ 3,695.76	
VCT floor	1,414	SF	\$ 3.08	\$ 4,355.12	\$ 1.09	\$ 1,543.96		\$ 4.17	\$ 5,899.08	\$ 4.91	\$ 6,949.71	
Floor Finishes	Subtotal			\$ 8,912.62		\$ 4,895.85		\$ -		\$ 13,808.47		\$ 16,267.76
Wall Finishes												
4" Rubber base	612	LF	\$ 1.60	\$ 979.20	\$ 1.36	\$ 835.31		\$ 2.96	\$ 1,814.51	\$ 3.49	\$ 2,137.68	
Ceramic tile base	117	LF	\$ 4.50	\$ 526.50	\$ 5.46	\$ 638.77		\$ 9.96	\$ 1,165.27	\$ 11.73	\$ 1,372.80	
Ceramic tile wall finishes	936.00	SF	\$ 5.15	\$ 4,820.40	\$ 4.59	\$ 4,292.51		\$ 9.74	\$ 9,112.91	\$ 11.47	\$ 10,735.92	
Wall Finishes	Subtotal			\$ 6,326.10		\$ 5,766.59		\$ -		\$ 12,092.69		\$ 14,246.40
ACT ,GWB , Ceiling Systems												
2x2 ACT ceiling system	1,467	SF	\$ 4.50	\$ 6,600.60	\$ 1.68	\$ 2,465.02		\$ 6.18	\$ 9,065.62	\$ 7.28	\$ 10,680.21	
Exposed Structure to be Painted	733	SF	\$ 2.00	\$ 1,466.80	\$ 1.96	\$ 1,437.93		\$ 3.96	\$ 2,904.73	\$ 4.67	\$ 3,422.06	
New GWB ceiling system	1,467	SF	\$ 3.50	\$ 5,133.80	\$ 1.68	\$ 2,465.02		\$ 5.18	\$ 7,598.82	\$ 6.10	\$ 8,952.17	
ACT ,GWB , Ceiling Systems	Subtotal			\$ 13,201.20		\$ 6,367.97		\$ -		\$ 19,569.17		\$ 23,054.44
Painting												
Painting to Interior Walls	9,340	SF	\$ 0.50	\$ 4,670.00	\$ 1.17	\$ 10,916.88		\$ 1.67	\$ 15,586.88	\$ 1.97	\$ 18,362.91	
Interior building painting	3,667	SF	\$ 1.60	\$ 5,867.20	\$ 1.83	\$ 6,717.63		\$ 3.43	\$ 12,584.83	\$ 4.04	\$ 14,826.19	
Painting to doors	8	EA	\$ 15.00	\$ 120.00	\$ 93.51	\$ 748.05		\$ 108.51	\$ 868.05	\$ 127.83	\$ 1,022.65	
Painting	Subtotal			\$ 10,657.20		\$ 18,382.56		\$ -		\$ 29,039.76		\$ 34,211.75

Div. 9/ FINISHES	Subtotals			\$ 77,364.72		\$ 61,665.30		\$ -		\$ 139,030.02		\$ 163,791.27
Div. 10/ SPECIALTIES												
<u>Bathroom Specialties</u>												
Soap dispenser	3	EA	\$ 75.00	\$ 225.00	\$ 39.71	\$ 119.13		\$ 114.71	\$ 344.13	\$ 135.14	\$ 405.41	
Mirrors 18"x 36"	3	EA	\$ 85.00	\$ 255.00	\$ 74.45	\$ 223.36		\$ 159.45	\$ 478.36	\$ 187.85	\$ 563.56	
Trash receptacle	3	EA		\$ -	\$ -	\$ -		\$ 250.00	\$ 750.00	\$ 294.53	\$ 883.58	
36" Grab bars	3	EA	\$ 36.00	\$ 108.00	\$ 19.85	\$ 59.56		\$ 55.85	\$ 167.56	\$ 65.80	\$ 197.41	
42" Grab bars	3	EA	\$ 38.00	\$ 114.00	\$ 19.85	\$ 59.56		\$ 57.85	\$ 173.56	\$ 68.16	\$ 204.47	
coat hooks	3	EA	\$ 25.00	\$ 75.00	\$ 24.82	\$ 74.45		\$ 49.82	\$ 149.45	\$ 58.69	\$ 176.07	
Changing Stations	3	EA	\$ 1,500.00	\$ 4,500.00	\$ 124.09	\$ 372.27		\$ 1,624.09	\$ 4,872.27	\$ 1,913.34	\$ 5,740.02	
Toilet Paper Holder	3	EA	\$ 200.00	\$ 600.00	\$ 49.64	\$ 148.91		\$ 249.64	\$ 748.91	\$ 294.10	\$ 882.29	
Paper Towel Dispenser	3	EA	\$ 201.00	\$ 603.00	\$ 99.27	\$ 297.82		\$ 300.27	\$ 900.82	\$ 353.75	\$ 1,061.25	
<u>Bathroom Specialties</u>	Subtotal			\$ 6,480.00		\$ 1,355.06		\$ -		\$ 8,585.06		\$ 10,114.06
<u>Building Signage</u>												
Door Signage	8	EA	\$ 125.00	\$ 1,000.00	\$ 49.64	\$ 397.09		\$ 174.64	\$ 1,397.09	\$ 205.74	\$ 1,645.91	
<u>Building Signage</u>	Subtotal			\$ 1,000.00		\$ 397.09		\$ -		\$ 1,397.09		\$ 1,645.91
Div. 10/ SPECIALTIES	Subtotals			\$ 7,480.00		\$ 1,752.15		\$ -		\$ 9,982.15		\$ 11,759.97
Div. 12/ FURNISHING												
<u>Shelves, Cabinets & Countertops</u>												
Base cabinets	12	LF	\$ 300.00	\$ 3,600.00	\$ 56.02	\$ 672.22		\$ 356.02	\$ 4,272.22	\$ 419.42	\$ 5,033.10	
Work desk	56	LF	\$ 200.00	\$ 11,200.00	\$ 56.02	\$ 3,137.01		\$ 256.02	\$ 14,337.01	\$ 301.61	\$ 16,890.44	
Allowance for Furniture	3,667	SF		\$ -	\$ -	\$ -		\$ 5.00	\$ 18,335.00	\$ 5.89	\$ 21,600.46	
<u>Shelves, Cabinets & Countertops</u>	Subtotal			\$ 14,800.00		\$ 3,809.23		\$ -		\$ 36,944.23		\$ 43,524.00
Div. 12/ FURNISHING	Subtotals			\$ 14,800.00		\$ 3,809.23		\$ -		\$ 36,944.23		\$ 43,524.00
Div. 13/ Special Construction												
<u>Aluminum Canopy</u>												
Aluminum Canopy system; includes structural steel and footings	6,154	SF	\$ 30.00	\$ 184,620.00	\$ 17.84	\$ 109,790.21		\$ 47.84	\$ 294,410.21	\$ 56.36	\$ 346,844.66	
<u>Aluminum Canopy</u>	Subtotal			\$ 184,620.00		\$ 109,790.21		\$ -	\$ 47.84	\$ 294,410.21	\$ 56.36	\$ 346,844.66
Div. 13/ Special Construction	Subtotals			\$ 184,620.00		\$ 109,790.21		\$ -		\$ 294,410.21		\$ 346,844.66
Div. 21/ FIRE SUPPRESSION												
<u>Div. 21/ FIRE SUPPRESSION</u>												
Wet Sprinkler System	-	SF		\$ -	\$ -	\$ -		\$ 4.55	\$ -	\$ 5.36	\$ -	

Fixture, Power & Lighting													
				\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -	
Service Distribution	3,667	SF		\$ -	\$ -	\$ -			\$ 12.35	\$ 45,287.45	\$ 14.55	\$ 53,353.14	
Power Devices & Wiring	3,667	SF		\$ -	\$ -	\$ -			\$ 7.80	\$ 28,602.60	\$ 9.19	\$ 33,696.72	
Miscellaneous Power	3,667	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 5,500.50	\$ 1.77	\$ 6,480.14	
Lighting Fixtures & Wiring	3,667	SF		\$ -	\$ -	\$ -			\$ 8.95	\$ 32,819.65	\$ 10.54	\$ 38,664.83	
Monocrystalline solar panel system	3,667	SF		\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -	
Allowance for miscellaneous electrical work	3,667	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 5,500.50	\$ 1.77	\$ 6,480.14	
Allowance for Site Lighting	186,296	SF		\$ -	\$ -	\$ -			\$ 1.50	\$ 279,444.00	\$ 1.77	\$ 329,212.98	
Allowance for canopy lighting	6,154	SF		\$ -	\$ -	\$ -			\$ 2.00	\$ 12,308.00	\$ 2.36	\$ 14,500.05	
Fixture, Power & Lighting	Subtotal			\$ -	\$ -	\$ -		\$ -		\$ 409,462.70		\$ 482,388.01	
Div. 26/ ELECTRICALS	Subtotals			\$ -	\$ -	\$ -		\$ -		\$ 409,462.70		\$ 482,388.01	
Div. 27/ COMMUNICATIONS													
Div. 27/ COMMUNICATIONS													
Allowance for Commuication devices and conduits	3,667	SF		\$ -	\$ -	\$ -			\$ 4.00	\$ 14,668.00	\$ 4.71	\$ 17,280.37	
Div. 27/ COMMUNICATIONS	Subtotal			\$ -	\$ -	\$ -		\$ -		\$ 14,668.00		\$ 17,280.37	
Div. 27/ COMMUNICATIONS	Subtotals			\$ -	\$ -	\$ -		\$ -		\$ 14,668.00		\$ 17,280.37	
Div. 28/ ELECTRONIC SAFETY & SECURITY													
Electronic Safety & Security													
Allowance for Electronic Safety & Security	3,667	SF		\$ -	\$ -	\$ -			\$ 4.00	\$ 14,668.00	\$ 4.71	\$ 17,280.37	
Electronic Safety & Security	Subtotal			\$ -	\$ -	\$ -		\$ -		\$ 14,668.00		\$ 17,280.37	
Div. 28/ ELECTRONIC SAFETY & SECURITY	Subtotals			\$ -	\$ -	\$ -		\$ -		\$ 14,668.00		\$ 17,280.37	
Div. 31/ Earthwork													
Div. 31/ Earthwork													
Rough grading	6,899.85	CY		\$ -	\$ 2.98	\$ 20,548.82	\$ 2.14	\$ 14,765.68	\$ 5.12	\$ 35,314.50	\$ 6.03	\$ 41,604.01	
Fine grading	20,699.56	SY		\$ -	\$ 0.40	\$ 8,219.53	\$ 0.58	\$ 12,005.74	\$ 0.98	\$ 20,225.27	\$ 1.15	\$ 23,827.39	
Main Building Excavation	543	CY		\$ -	\$ 24.82	\$ 13,482.58	\$ 4.85	\$ 2,634.81	\$ 29.67	\$ 16,117.38	\$ 34.95	\$ 18,987.89	
Backfilling & Compaction	272	CY		\$ -	\$ 24.82	\$ 6,741.29	\$ 4.85	\$ 1,317.40	\$ 29.67	\$ 8,058.69	\$ 34.95	\$ 9,493.95	
Storm water management facility (Bio- retention area)	2,800	SF	\$ 10.00	\$ 28,000.00	\$ 3.23	\$ 9,033.73	\$ 0.50	\$ 1,400.00	\$ 13.73	\$ 38,433.73	\$ 16.17	\$ 45,278.78	
Silt fence	2180	LF	\$ 3.00	\$ 6,540.00	\$ 1.49	\$ 3,246.19	\$ -	\$ -	\$ 4.49	\$ 9,786.19	\$ 5.29	\$ 11,529.11	
SCE areas	500	SF	\$ 2.50	\$ 1,250.00	\$ 1.49	\$ 744.54	\$ -	\$ -	\$ 3.99	\$ 1,994.54	\$ 4.70	\$ 2,349.77	
Div. 31/ Earthwork	Subtotal			\$ 35,790.00	\$ 62,016.66	\$ 32,123.64		\$ 129,930.30		\$ 153,070.89		\$ 153,070.89	
Div. 31/ Earthwork	Subtotals			\$ 35,790.00	\$ 62,016.66	\$ 32,123.64		\$ 129,930.30		\$ 153,070.89		\$ 153,070.89	
Div. 32/ Exterior Improvements													
Site Concrete & Paving													
Allowance for site benches	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 10,000.00	\$ 10,000.00	\$ 11,781.00	\$ 11,781.00	

Standard Asphalt pavement	825	SY	\$ 18.00	\$ 14,846.00	\$ 2.48	\$ 2,046.93	\$ 2.26	\$ 1,864.00	\$ 22.74	\$ 18,756.93	\$ 26.79	\$ 22,097.54
Concrete Base for security railings	2,685	SF	\$ 6.15	\$ 16,512.75	\$ 4.96	\$ 13,327.24		\$ -	\$ 11.11	\$ 29,839.99	\$ 13.09	\$ 35,154.49
Concrete steps	1	EA	\$ 3,500.00	\$ 3,500.00	\$ 397.09	\$ 397.09		\$ -	\$ 3,897.09	\$ 3,897.09	\$ 4,591.16	\$ 4,591.16
Exterior Concrete Stairs	197	LF	\$ 36.00	\$ 7,092.00	\$ 34.75	\$ 6,844.79		\$ -	\$ 70.75	\$ 13,936.79	\$ 83.34	\$ 16,418.93
Concrete Curb	1,155	LF	\$ 6.50	\$ 7,507.50	\$ 4.96	\$ 5,732.94		\$ -	\$ 11.46	\$ 13,240.44	\$ 13.51	\$ 15,598.57
Cross walk	40	LF	\$ 3.00	\$ 120.00	\$ 1.49	\$ 59.56	\$ 5.00	\$ 200.00	\$ 9.49	\$ 379.56	\$ 11.18	\$ 447.16
Heavy duty asphalt roadway	24,446	SF	\$ 3.00	\$ 73,338.00	\$ 1.49	\$ 36,401.97	\$ 0.20	\$ 4,889.20	\$ 4.69	\$ 114,629.17	\$ 5.52	\$ 135,044.62
New retaining walls	347	LF	\$ 164.00	\$ 56,908.00	\$ 114.46	\$ 39,717.74	\$ 27.74	\$ 9,625.78	\$ 306.20	\$ 106,251.52	\$ 360.73	\$ 125,174.92
Tactile Strip	785	LF	\$ 3.50	\$ 2,747.50	\$ 1.74	\$ 1,363.75	\$ 1.50	\$ 1,177.50	\$ 6.74	\$ 5,288.75	\$ 7.94	\$ 6,230.67
Concrete Sidewalk	12,028	SF	\$ 5.50	\$ 66,154.00	\$ 2.48	\$ 29,851.02		\$ -	\$ 7.98	\$ 96,005.02	\$ 9.40	\$ 113,103.52
Concrete Ramp	240	SF	\$ 30.00	\$ 7,200.00	\$ 9.93	\$ 2,382.52		\$ -	\$ 39.93	\$ 9,582.52	\$ 47.04	\$ 11,289.17
Allowance for Parking stripes	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 20,000.00	\$ 20,000.00	\$ 23,562.00	\$ 23,562.00
Allowance for ramps	2	EA	\$ 500.00	\$ 1,000.00	\$ 198.54	\$ 397.09		\$ -	\$ 698.54	\$ 1,397.09	\$ 822.95	\$ 1,645.91
Flush Curb	25	LF	\$ 5.50	\$ 137.50	\$ 7.45	\$ 186.13		\$ -	\$ 12.95	\$ 323.63	\$ 15.25	\$ 381.27
Realign Retaining Walls	60	LF	\$ 20.00	\$ 1,200.00	\$ 24.82	\$ 1,489.08	\$ 1.50	\$ 90.00	\$ 46.32	\$ 2,779.08	\$ 54.57	\$ 3,274.03
Site Concrete & Paving	Subtotal			\$ 258,263.25		\$ 140,197.84		\$ 17,846.48		\$ 446,307.57		\$ 525,794.95
Landscaping												
Allowance for miscellaneous Landscape work	67,263.0	SF	\$ 1.50	\$ 100,894.50	\$ 0.74	\$ 50,079.88		\$ -	\$ 2.24	\$ 150,974.38	\$ 2.64	\$ 177,862.91
Landscaping	Subtotal			\$ 100,894.50		\$ 50,079.88		\$ -		\$ 150,974.38		\$ 177,862.91
Site Metals												
Heavy Duty Railings	632	LF	\$ 80.00	\$ 50,560.00	\$ 9.93	\$ 6,273.98		\$ -	\$ 89.93	\$ 56,833.98	\$ 105.94	\$ 66,956.11
Regular Star Railings	567	LF	\$ 60.00	\$ 34,020.00	\$ 9.93	\$ 5,628.71		\$ -	\$ 69.93	\$ 39,648.71	\$ 82.38	\$ 46,710.14
Site Metals	Subtotal			\$ 84,580.00		\$ 11,902.69		\$ -		\$ 96,482.69		\$ 113,666.25
Miscellaneous Sitework												
Bike Rack	11	EA	\$ 425.00	\$ 4,675.00	\$ 148.91	\$ 1,637.98		\$ -	\$ 573.91	\$ 6,312.98	\$ 676.12	\$ 7,437.33
Miscellaneous Sitework	Subtotal			\$ 4,675.00		\$ 1,637.98		\$ -		\$ 6,312.98		\$ 7,437.33
Div. 32/ Exterior Improvements	Subtotal			\$ 896,825.50		\$ 407,636.78		\$ 35,692.96		\$ 1,400,155.23		\$ 1,649,522.88
Div. 32/ Exterior Improvements	Subtotals			\$ 896,825.50		\$ 407,636.78		\$ 35,692.96		\$ 1,400,155.23		\$ 1,649,522.88
Div. 33/ Utilities												
Div. 33/ Utilities												
Storm Utilities												
12" HDPE pipe	155	LF	\$ 43.00	\$ 6,665.00	\$ 21.06	\$ 3,264.60		\$ -	\$ 64.06	\$ 9,929.60	\$ 75.47	\$ 11,698.06
15" HDPE pipe	152	LF	\$ 55.00	\$ 8,360.00	\$ 21.06	\$ 3,201.41		\$ -	\$ 76.06	\$ 11,561.41	\$ 89.61	\$ 13,620.50
SWM Facility Perforated PVC for underdrains	200	LF	\$ 10.00	\$ 2,000.00	\$ 12.64	\$ 2,527.43		\$ -	\$ 22.64	\$ 4,527.43	\$ 26.67	\$ 5,333.77
24" pipe	70	LF	\$ 75.00	\$ 5,250.00	\$ 16.85	\$ 1,179.47		\$ -	\$ 91.85	\$ 6,429.47	\$ 108.21	\$ 7,574.56
30" pipe	107	LF	\$ 85.00	\$ 9,095.00	\$ 21.06	\$ 2,253.63		\$ -	\$ 106.06	\$ 11,348.63	\$ 124.95	\$ 13,369.82
Concrete Manhole, 48" dia.	2	EA	\$ 2,009.00	\$ 4,018.00	\$ 2,190.44	\$ 4,380.88		\$ -	\$ 4,199.44	\$ 8,398.88	\$ 4,947.36	\$ 9,894.72
Cleanout	4	EA	\$ 1,500.00	\$ 6,000.00	\$ 168.50	\$ 673.98		\$ -	\$ 1,668.50	\$ 6,673.98	\$ 1,965.65	\$ 7,862.62
Relocate Fire hydrant	2	EA		\$ -	\$ 336.99	\$ 673.98		\$ -	\$ 336.99	\$ 673.98	\$ 397.01	\$ 794.02
24" Drain basin w/ dome grate	2	EA	\$ 550.00	\$ 1,100.00	\$ 336.99	\$ 673.98		\$ -	\$ 886.99	\$ 1,773.98	\$ 1,044.96	\$ 2,089.93
Curb Cut	2	EA	\$ 550.00	\$ 1,100.00	\$ 168.50	\$ 336.99		\$ -	\$ 718.50	\$ 1,436.99	\$ 846.46	\$ 1,692.92
Allowance for ADS system	2592	SF	\$ 20.00	\$ 51,840.00	\$ 8.42	\$ 21,837.00		\$ -	\$ 28.42	\$ 73,677.00	\$ 33.49	\$ 86,798.87
Water Distribution								\$ -	\$ -	\$ -	\$ -	\$ -
4" PVC pipe	40	FT	\$ 30.00	\$ 1,200.00	\$ 21.06	\$ 842.48		\$ -	\$ 51.06	\$ 2,042.48	\$ 60.16	\$ 2,406.24

									\$ -	\$ -	\$ -	\$ -
Sanitary									\$ -	\$ -	\$ -	\$ -
6" sanitary	70	LF	\$ 50.00	\$ 3,500.00	\$ 21.06	\$ 1,474.33			\$ 71.06	\$ 4,974.33	\$ 83.72	\$ 5,860.26
									\$ -	\$ -	\$ -	\$ -
Gas line connection to building									\$ -	\$ -	\$ -	\$ -
Allowance for Gas Connection	30	LF	\$ 30.00	\$ 900.00	\$ 21.06	\$ 631.86			\$ 51.06	\$ 1,531.86	\$ 60.16	\$ 1,804.68
									\$ -	\$ -	\$ -	\$ -
Div. 33/ Utilities	Subtotal			\$ 101,028.00		\$ 43,952.01		\$ -	\$ 305,794.50	\$ 144,980.01	\$ 360,256.50	\$ 170,800.96
Div. 33/ Utilities	Subtotals			\$ 101,028.00		\$ 43,952.01		\$ -	\$ 305,794.50	\$ 144,980.01	\$ 360,256.50	\$ 170,800.96
DIRECT SUBTOTAL										\$ 3,883,785.98		\$ 4,575,488.27

CONCEPT 3

BUILDING SQFT	3,601	SF	MATERIALS		LABOR		EQUIPMENT		DIRECT COST		SUB-COST	
ITEM DESCRIPTION	QTY	U.O.M.	MAT. UNIT	TOTAL MAT.	LABOR UNIT COST	TOTAL LABOR COST	UNIT EQUIP.	TOTAL EQUIP.	DIRECT UNIT COST	DIRECT TOTAL COST	SUB UNIT COST	SUB TOTAL COST
Div. 2 / EXISITNG CONDITIONS												
<u>Demolition</u>												
<u>Site Demolition</u>												
Allowance for site demolition;	186,296	SF		\$ -	\$ 0.99	\$ 184,939.34	\$ 0.15	\$ 27,944.40	\$ 1.14	\$ 212,883.74	\$ 1.35	\$ 250,798.33
<u>General Demolition Related</u>												
Hauling off debris	574.99	Trips	\$ -	\$ -	\$ 89.86	\$ 51,668.25	\$ 100.00	\$ 57,498.77	\$ 189.86	\$ 109,167.01	\$ 223.67	\$ 128,609.66
Dump Fee	575	Trips	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120.00	\$ 68,998.52	\$ 141.37	\$ 81,287.15
Demolition	Subtotal			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div. 2 / EXISITNG CONDITIONS	Subtotals			\$ -		\$ 236,607.58		\$ 85,443.17		\$ 391,049.27		\$ 460,695.14
Div.3/ CONCRETE												
<u>Foundation System</u>												
New Concrete Foundation System; including formwork and reinforcement	3,601	SF	\$ 15.00	\$ 54,015.00	\$ 7.77	\$ 27,970.60	\$ 1.50	\$ 5,401.50	\$ 24.27	\$ 87,387.10	\$ 28.59	\$ 102,950.75
<u>Exterior Walls</u>												
Formwork for sides of footing	9,156	SF	\$ 1.09	\$ 9,980.04	\$ 7.66	\$ 70,170.56	\$ -	\$ -	\$ 8.75	\$ 80,150.60	\$ 10.31	\$ 94,425.42
Steel reinforcements to footings	11,868.89	Lb.	\$ 0.60	\$ 7,121.33	\$ 0.52	\$ 6,146.07	\$ -	\$ -	\$ 1.12	\$ 13,267.40	\$ 1.32	\$ 15,630.33
Concrete to walls	170	CY	\$ 210.00	\$ 35,606.67	\$ 51.78	\$ 8,780.10	\$ 30.00	\$ 5,086.67	\$ 291.78	\$ 49,473.43	\$ 343.75	\$ 58,284.65
Foundation System	Subtotal			\$ 106,723.04		\$ 113,067.34		\$ 10,488.17		\$ 230,278.54		\$ 271,291.15
<u>Concrete Slab</u>												
<u>Concrete Slab On Grade</u>												
5" thick concrete slab on grade including formwork and reinforcement, 10 polythene vapor barrier, 6" crush stone	3,601	SF	\$ 4.55	\$ 16,384.55	\$ 3.88	\$ 13,985.30	\$ -	\$ -	\$ 8.43	\$ 30,369.85	\$ 9.94	\$ 35,778.72
Concrete Slab	Subtotal			\$ 16,384.55		\$ 13,985.30		\$ -		\$ 30,369.85		\$ 35,778.72
<u>Miscellaneous Concrete</u>												
Foundation drainage	327	LF	\$ 4.50	\$ 1,471.50	\$ 2.59	\$ 846.65	\$ -	\$ -	\$ 7.09	\$ 2,318.15	\$ 8.35	\$ 2,731.02
Foundation waterproofing	981	SF	\$ 1.50	\$ 1,471.50	\$ 0.52	\$ 507.99	\$ -	\$ -	\$ 2.02	\$ 1,979.49	\$ 2.38	\$ 2,332.04
Allowance for miscellaneous foundation work	3,601	SF	\$ 0.50	\$ 1,800.50	\$ 0.52	\$ 1,864.71	\$ -	\$ -	\$ 1.02	\$ 3,665.21	\$ 1.20	\$ 4,317.98
Miscellaneous Concrete	Subtotal			\$ 4,743.50		\$ 3,219.35		\$ -		\$ 7,962.85		\$ 9,381.03
Div.3/ CONCRETE	Subtotals			\$ 127,851.09		\$ 130,271.99		\$ 10,488.17		\$ 268,611.25		\$ 316,450.91
Div. 5 / METALS												
<u>Structural Steel Framing</u>												

Structural Steel in Building	18	TON	\$ 4,326.40	\$ 77,896.83	\$ 734.80	\$ 13,230.05	\$ 382.00	\$ 6,877.91	\$ 5,443.20	\$ 98,004.79	\$ 6,412.63	\$ 115,459.45
							\$ 1.20					
Structural Steel Framing	Subtotal			\$ 77,896.83		\$ 13,230.05		\$ 6,877.91		\$ 98,004.79		\$ 115,459.45
<u>Metal Decking</u>												
Steel deck @ roof deck 1 1/2", 20 ga	3,601	SF	\$ 1.82	\$ 6,553.82	\$ 0.44	\$ 1,599.68	\$ 0.03	\$ 108.03	\$ 2.29	\$ 8,261.53	\$ 2.70	\$ 9,732.91
Metal Decking	Subtotal			\$ 6,553.82		\$ 1,599.68		\$ 108.03		\$ 8,261.53		\$ 9,732.91
<u>Miscellaneous Metal Work</u>												
Allowance for Miscellaneous metal work	3,601	SF	\$ 1.25	\$ 4,501.25	\$ 1.27	\$ 4,570.52		\$ -	\$ 2.52	\$ 9,071.77	\$ 2.97	\$ 10,687.45
Miscellaneous Metal Work	Subtotal			\$ 4,501.25		\$ 4,570.52		\$ -		\$ 9,071.77		\$ 10,687.45
Div. 5 / METALS	Subtotals			\$ 88,951.90		\$ 19,400.25		\$ 6,985.94		\$ 115,338.09		\$ 135,879.81
Div. 6 / WOOD & PLASTICS												
<u>Rough Carpentry</u>												
Rough carpentry; wood blocking, etc.	3,601	SF	\$ 0.75	\$ 2,700.75	\$ 0.56	\$ 2,017.21		\$ -	\$ 1.31	\$ 4,717.96	\$ 1.54	\$ 5,558.23
Rough Carpentry	Subtotal			\$ 2,700.75		\$ 2,017.21		\$ -		\$ 4,717.96		\$ 5,558.23
<u>Fine Carpentry</u>												
Miscellaneous finished carpentry work; including millwork	3,601	SF	\$ 1.75	\$ 6,301.75	\$ 1.68	\$ 6,051.64		\$ -	\$ 3.43	\$ 12,353.39	\$ 4.04	\$ 14,553.52
Fine Carpentry	Subtotal			\$ 6,301.75		\$ 6,051.64		\$ -		\$ 12,353.39		\$ 14,553.52
Div. 6 / WOOD & PLASTICS	Subtotals			\$ 9,002.50		\$ 8,068.85		\$ -		\$ 17,071.35		\$ 20,111.76
Div. 7 / THERMAL & MOISTURE PROTECTION												
<u>Insulation</u>												
Building insulation	3,601	SF	\$ 1.05	\$ 3,781.05	\$ 0.50	\$ 1,788.04		\$ -	\$ 1.55	\$ 5,569.09	\$ 1.82	\$ 6,560.95
Insulation	Subtotal			\$ 3,781.05		\$ 1,788.04		\$ -		\$ 5,569.09		\$ 6,560.95
<u>Waterproofing</u>												
Building waterproofing	3,601	SF	\$ 0.73	\$ 2,628.73	\$ 0.50	\$ 1,788.04		\$ -	\$ 1.23	\$ 4,416.77	\$ 1.44	\$ 5,203.40
Waterproofing	Subtotal			\$ 2,628.73		\$ 1,788.04		\$ -		\$ 4,416.77		\$ 5,203.40
<u>Caulking & Sealants</u>												
Caulking and sealant	3,601	SF	\$ 0.90	\$ 3,240.90	\$ 0.50	\$ 1,788.04		\$ -	\$ 1.40	\$ 5,028.94	\$ 1.65	\$ 5,924.60
Caulking & Sealants	Subtotal			\$ 3,240.90		\$ 1,788.04		\$ -		\$ 5,028.94		\$ 5,924.60
<u>Fireproofing</u>												
Allowance for building fireproofing	3,601	SF	\$ 0.90	\$ 3,240.90	\$ 0.50	\$ 1,788.04		\$ -	\$ 1.40	\$ 5,028.94	\$ 1.65	\$ 5,924.60

Fireproofing	Subtotal			\$ 3,240.90		\$ 1,788.04		\$ -	\$ -	\$ 5,028.94		\$ 5,924.60
Roofing												
Roof gutters	327	LF	\$ 11.50	\$ 3,760.50	\$ 2.77	\$ 904.69	\$ -	\$ 14.27	\$ 4,665.19	\$ 16.81	\$ 5,496.06	
Downspout	150	LF	\$ 15.00	\$ 2,250.00	\$ 3.32	\$ 498.00	\$ -	\$ 18.32	\$ 2,748.00	\$ 21.58	\$ 3,237.41	
Single Ply Membrane Roofing	3,795	SF	\$ 7.50	\$ 28,465.91	\$ 5.53	\$ 21,001.34	\$ -	\$ 13.03	\$ 49,467.24	\$ 15.35	\$ 58,277.36	
Allowance for miscellaneous roof work	3,795	SF	\$ 0.75	\$ 2,846.59	\$ 0.73	\$ 2,781.18	\$ -	\$ 1.48	\$ 5,627.77	\$ 1.75	\$ 6,630.07	
									\$ -	\$ -	\$ -	
Roofing	Subtotal			\$ 37,323.00		\$ 25,185.20		\$ -	\$ 62,508.20		\$ 73,640.91	
Siding												
Exterior Panel Siding	1,230	SF	\$ 15.00	\$ 18,450.00	\$ 7.33	\$ 9,013.02	\$ -	\$ 22.33	\$ 27,463.02	\$ 26.30	\$ 32,354.18	
									\$ -	\$ -	\$ -	
Siding	Subtotal			\$ 18,450.00		\$ 9,013.02		\$ -	\$ 27,463.02		\$ 32,354.18	
Div. 7 / THERMAL & MOISTURE PROTECTION	Subtotals			\$ 68,664.58		\$ 41,350.38		\$ -	\$ 110,014.96		\$ 129,608.62	
Div. 8/ DOORS & WINDOWS												
Double Doors												
Double Door Frame												
Exterior double door Aluminum frames	-	EA	\$ 500.00	\$ -	\$ 224.07	\$ -	\$ -	\$ 724.07	\$ -	\$ 853.03	\$ -	
Double Door												
Exterior Storefront door assembly, double	2	EA	\$ 8,190.00	\$ 16,380.00	\$ 560.18	\$ 1,120.36	\$ -	\$ 8,750.18	\$ 17,500.36	\$ 10,308.59	\$ 20,617.18	
Exterior door double	-	EA	\$ 3,500.00	\$ -	\$ 336.11	\$ -	\$ -	\$ 3,836.11	\$ -	\$ 4,519.32	\$ -	
Exterior door single	-	EA	\$ 1,250.00	\$ -	\$ 224.07	\$ -	\$ -	\$ 1,474.07	\$ -	\$ 1,736.60	\$ -	
Double Doors	Subtotal			\$ 16,380.00		\$ 1,120.36		\$ -	\$ 17,500.36		\$ 20,617.18	
Single Doors												
Single Doors												
3'-0"X7'-0" SCW Door with hollow metal frame	8	EA	\$ 1,500.00	\$ 12,000.00	\$ 224.07	\$ 1,792.58	\$ -	\$ 1,724.07	\$ 13,792.58	\$ 2,031.13	\$ 16,249.04	
Single Doors	Subtotal			\$ 12,000.00		\$ 1,792.58		\$ -	\$ 13,792.58		\$ 16,249.04	
Double Doors												
6'-0"X7'-0" Type 'F' Flush HM Dbl. Doors w/ HM Frame	2	EA	\$ 1,800.00	\$ 3,600.00	\$ 336.11	\$ 672.22	\$ -	\$ 2,136.11	\$ 4,272.22	\$ 2,516.55	\$ 5,033.10	
Single Doors	Subtotal			\$ 3,600.00		\$ 672.22		\$ -	\$ 4,272.22		\$ 5,033.10	
Door Hardware & Miscellaneous												
Interior Door Hardware single	8	EA	\$ 450.00	\$ 3,600.00	\$ 149.40	\$ 1,195.20	\$ -	\$ 599.40	\$ 4,795.20	\$ 706.15	\$ 5,649.23	
Interior Door Hardware Double	2	EA	\$ 635.00	\$ 1,270.00	\$ 149.40	\$ 298.80	\$ -	\$ 784.40	\$ 1,568.80	\$ 924.10	\$ 1,848.20	
Door thresholds	50	LF	\$ 9.40	\$ 470.00	\$ 9.36	\$ 467.75	\$ -	\$ 18.76	\$ 937.75	\$ 22.10	\$ 1,104.76	
Metal Kick plates	18	EA	\$ 65.00	\$ 1,170.00	\$ 28.01	\$ 504.16	\$ -	\$ 93.01	\$ 1,674.16	\$ 109.57	\$ 1,972.33	
									\$ -	\$ -	\$ -	
Door Hardware & Miscellaneous	Subtotal			\$ 6,510.00		\$ 2,465.92		\$ -	\$ 8,975.92		\$ 10,574.53	
Windows & Glazing(Exterior Wall system)												
Exterior Glazing												
Exterior storefront Curtain wall	1,060	SF	\$ 58.44	\$ 61,946.40	\$ 8.14	\$ 8,631.85	\$ -	\$ 66.58	\$ 70,578.25	\$ 78.44	\$ 83,148.24	
Exterior windows	-	SF	\$ 85.00	\$ -	\$ 11.49	\$ -	\$ -	\$ 96.49	\$ -	\$ 113.67	\$ -	

Window sun shades		SF	\$ 15.00	\$ -	\$ 2.87	\$ -		\$ -	\$ 17.87	\$ -	\$ 21.05	\$ -
				\$ -							\$ -	\$ -
Interior Glazing											\$ -	\$ -
Interior glass wall system	150	SF	\$ 45.00	\$ 6,750.00	\$ 8.14	\$ 1,221.49		\$ -	\$ 53.14	\$ 7,971.49	\$ 62.61	\$ 9,391.21
											\$ -	\$ -
Windows & Glazing(Exterior Wall system)	Subtotal			\$ 68,696.40		\$ 9,853.34		\$ -		\$ 78,549.74		\$ 92,539.45
Div. 8/ DOORS & WINDOWS	Subtotals			\$ 107,186.40		\$ 15,904.42		\$ -		\$ 123,090.82		\$ 145,013.29
Div. 9/ FINISHES												
Interior Drywall Assemblies												
Interior of Exterior walls												
Metal Studs	3,200	SF	\$ 2.50	\$ 8,000.00	\$ 1.40	\$ 4,481.45		\$ 3.90	\$ 12,481.45	\$ 4.60	\$ 14,704.39	
Batt insulation	3,200	SF	\$ 1.25	\$ 4,000.00	\$ 0.84	\$ 2,688.87		\$ 2.09	\$ 6,688.87	\$ 2.46	\$ 7,880.16	
5/8" Gypsum wall board	3,200	SF	\$ 1.64	\$ 5,248.00	\$ 1.40	\$ 4,481.45		\$ 3.04	\$ 9,729.45	\$ 3.58	\$ 11,462.26	
Interior Partition walls												
3 5/8" metal studs 16 O.C.	2,970	SF	\$ 2.50	\$ 7,425.00	\$ 1.40	\$ 4,159.34		\$ 3.90	\$ 11,584.34	\$ 4.60	\$ 13,647.52	
Sound Attenuation	2,970	SF	\$ 1.25	\$ 3,712.50	\$ 0.67	\$ 1,996.49		\$ 1.92	\$ 5,708.99	\$ 2.26	\$ 6,725.76	
5/8" Gypsum wall board	5,940	SF	\$ 1.64	\$ 9,741.60	\$ 1.40	\$ 8,318.69		\$ 3.04	\$ 18,060.29	\$ 3.58	\$ 21,276.83	
Interior Drywall Assemblies	Subtotal			\$ 38,127.10		\$ 26,126.29		\$ -		\$ 64,253.39		\$ 75,696.91
Floor Finishes												
Carpet tile Flooring CPT-1	735	SF	\$ 2.50	\$ 1,837.50	\$ 1.09	\$ 802.55		\$ -	\$ 3.59	\$ 2,640.05	\$ 4.23	\$ 3,110.25
Ceramic Tile Floor	315	SF	\$ 5.15	\$ 1,622.25	\$ 4.59	\$ 1,444.60		\$ 9.74	\$ 3,066.85	\$ 11.47	\$ 3,613.05	
Sealed concrete flooring	522	SF	\$ 1.50	\$ 783.00	\$ 1.36	\$ 712.47		\$ 2.86	\$ 1,495.47	\$ 3.38	\$ 1,761.81	
VCT floor	1,707	SF	\$ 3.08	\$ 5,257.56	\$ 1.09	\$ 1,863.89		\$ 4.17	\$ 7,121.45	\$ 4.91	\$ 8,389.78	
Floor Finishes	Subtotal			\$ 9,500.31		\$ 4,823.51		\$ -		\$ 14,323.82		\$ 16,874.89
Wall Finishes												
4" Rubber base	602	LF	\$ 1.60	\$ 963.20	\$ 1.36	\$ 821.66		\$ 2.96	\$ 1,784.86	\$ 3.49	\$ 2,102.75	
Ceramic tile base	117	LF	\$ 4.50	\$ 526.50	\$ 5.46	\$ 638.77		\$ 9.96	\$ 1,165.27	\$ 11.73	\$ 1,372.80	
Ceramic tile wall finishes	936.00	SF	\$ 5.15	\$ 4,820.40	\$ 4.59	\$ 4,292.51		\$ 9.74	\$ 9,112.91	\$ 11.47	\$ 10,735.92	
Wall Finishes	Subtotal			\$ 6,310.10		\$ 5,752.94		\$ -		\$ 12,063.04		\$ 14,211.47
ACT ,GWB , Ceiling Systems												
2x2 ACT ceiling system	1,440	SF	\$ 4.50	\$ 6,481.80	\$ 1.68	\$ 2,420.65		\$ 6.18	\$ 8,902.45	\$ 7.28	\$ 10,487.98	
Exposed Structure to be Painted	720	SF	\$ 2.00	\$ 1,440.40	\$ 1.96	\$ 1,412.05		\$ 3.96	\$ 2,852.45	\$ 4.67	\$ 3,360.47	
New GWB ceiling system	1,440	SF	\$ 3.50	\$ 5,041.40	\$ 1.68	\$ 2,420.65		\$ 5.18	\$ 7,462.05	\$ 6.10	\$ 8,791.05	
ACT ,GWB , Ceiling Systems	Subtotal			\$ 12,963.60		\$ 6,253.36		\$ -		\$ 19,216.96		\$ 22,639.50
Painting												
Painting to Interior Walls	9,140	SF	\$ 0.50	\$ 4,570.00	\$ 1.17	\$ 10,683.12		\$ 1.67	\$ 15,253.12	\$ 1.97	\$ 17,969.70	
Interior building painting	3,601	SF	\$ 1.60	\$ 5,761.60	\$ 1.83	\$ 6,596.72		\$ 3.43	\$ 12,358.32	\$ 4.04	\$ 14,559.34	
Painting to doors	10	EA	\$ 15.00	\$ 150.00	\$ 93.51	\$ 935.07		\$ 108.51	\$ 1,085.07	\$ 127.83	\$ 1,278.32	
Painting	Subtotal			\$ 10,481.60		\$ 18,214.90		\$ -		\$ 28,696.50		\$ 33,807.35

Div. 9/ FINISHES	Subtotals			\$ 77,382.71		\$ 61,171.00		\$ -		\$ 138,553.71		\$ 163,230.13
Div. 10/ SPECIALTIES												
<u>Bathroom Specialties</u>												
Soap dispenser	3	EA	\$ 75.00	\$ 225.00	\$ 39.71	\$ 119.13		\$ 114.71	\$ 344.13	\$ 135.14	\$ 405.41	
Mirrors 18"x 36"	3	EA	\$ 85.00	\$ 255.00	\$ 74.45	\$ 223.36		\$ 159.45	\$ 478.36	\$ 187.85	\$ 563.56	
Trash receptacle	3	EA		\$ -	\$ -	\$ -		\$ 250.00	\$ 750.00	\$ 294.53	\$ 883.58	
36" Grab bars	3	EA	\$ 36.00	\$ 108.00	\$ 19.85	\$ 59.56		\$ 55.85	\$ 167.56	\$ 65.80	\$ 197.41	
42" Grab bars	3	EA	\$ 38.00	\$ 114.00	\$ 19.85	\$ 59.56		\$ 57.85	\$ 173.56	\$ 68.16	\$ 204.47	
coat hooks	3	EA	\$ 25.00	\$ 75.00	\$ 24.82	\$ 74.45		\$ 49.82	\$ 149.45	\$ 58.69	\$ 176.07	
Changing Stations	3	EA	\$ 1,500.00	\$ 4,500.00	\$ 124.09	\$ 372.27		\$ 1,624.09	\$ 4,872.27	\$ 1,913.34	\$ 5,740.02	
Toilet Paper Holder	3	EA	\$ 200.00	\$ 600.00	\$ 49.64	\$ 148.91		\$ 249.64	\$ 748.91	\$ 294.10	\$ 882.29	
Paper Towel Dispenser	3	EA	\$ 201.00	\$ 603.00	\$ 99.27	\$ 297.82		\$ 300.27	\$ 900.82	\$ 353.75	\$ 1,061.25	
<u>Bathroom Specialties</u>	Subtotal			\$ 6,480.00		\$ 1,355.06		\$ -	\$ 8,585.06		\$ 10,114.06	
<u>Building Signage</u>												
Door Signage	10	EA	\$ 125.00	\$ 1,250.00	\$ 49.64	\$ 496.36		\$ 174.64	\$ 1,746.36	\$ 205.74	\$ 2,057.39	
<u>Building Signage</u>	Subtotal			\$ 1,250.00		\$ 496.36		\$ -	\$ 1,746.36		\$ 2,057.39	
Div. 10/ SPECIALTIES	Subtotals			\$ 7,730.00		\$ 1,851.42		\$ -	\$ 10,331.42		\$ 12,171.44	
Div. 12/ FURNISHING												
<u>Shelves, Cabinets & Countertops</u>												
Work desk	20	LF	\$ 200.00	\$ 4,000.00	\$ 56.02	\$ 1,120.36		\$ 256.02	\$ 5,120.36	\$ 301.61	\$ 6,032.30	
Allowance for Furniture	3,601	SF		\$ -	\$ -	\$ -		\$ 5.00	\$ 18,005.00	\$ 5.89	\$ 21,211.69	
<u>Shelves, Cabinets & Countertops</u>	Subtotal			\$ 4,000.00		\$ 1,120.36		\$ -	\$ 23,125.36		\$ 27,243.99	
Div. 12/ FURNISHING	Subtotals			\$ 4,000.00		\$ 1,120.36		\$ -	\$ 23,125.36		\$ 27,243.99	
Div. 13/ Special Construction												
<u>Aluminum Canopy</u>												
Aluminum Canopy system; including structural steel and footings	1,500	SF	\$ 30.00	\$ 45,000.00	\$ 17.84	\$ 26,760.69		\$ 47.84	\$ 71,760.69	\$ 56.36	\$ 84,541.27	
<u>Aluminum Canopy</u>	Subtotal			\$ 45,000.00		\$ 26,760.69		\$ -	\$ 47.84	\$ 71,760.69	\$ 56.36	\$ 84,541.27
Div. 13/ Special Construction	Subtotals			\$ 45,000.00		\$ 26,760.69		\$ -	\$ 71,760.69		\$ 84,541.27	
Div. 22/ PLUMBING												
<u>PLUMBING FIXTURES & EQUIPMENT</u>				\$ -								
Water closets with rough-in	3	EA	\$ 2,752.00	\$ 8,256.00	\$ 1,179.47	\$ 3,538.40		\$ 3,931.47	\$ 11,794.40	\$ 4,631.66	\$ 13,894.99	

Wall hung lavatories with rough-in	3	EA	\$ 1,820.00	\$ 5,460.00	\$ 1,010.97	\$ 3,032.92		\$ 2,830.97	\$ 8,492.92	\$ 3,335.17	\$ 10,005.50
New water fountains with rough in	2	EA	\$ 2,570.00	\$ 5,140.00	\$ 673.98	\$ 1,347.96		\$ 3,243.98	\$ 6,487.96	\$ 3,821.73	\$ 7,643.47
Kitchen sink including rough-in	1	EA	\$ 982.00	\$ 982.00	\$ 1,246.87	\$ 1,246.87		\$ 2,228.87	\$ 2,228.87	\$ 2,625.83	\$ 2,625.83
Hand dryer	3	EA		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
Janitors Sink including rough-in	1	EA	\$ 4,020.00	\$ 4,020.00	\$ 1,347.96	\$ 1,347.96		\$ 5,367.96	\$ 5,367.96	\$ 6,324.00	\$ 6,324.00
30 gal 4.5 KW water heater , 1/20 HP dom CW recirculation pump	1	EA	\$ 2,500.00	\$ 2,500.00	\$ 673.98	\$ 673.98		\$ 3,173.98	\$ 3,173.98	\$ 3,739.27	\$ 3,739.27
<u>Piping</u>											
Domestic Water Piping	3,601	SF		\$ -	\$ -	\$ -		\$ 3.65	\$ 13,143.65	\$ 4.30	\$ 15,484.53
Sanitary, Vent & Storm Piping	3,601	SF		\$ -	\$ -	\$ -		\$ 7.07	\$ 25,459.07	\$ 8.33	\$ 29,993.33
Floor & Roof Drains	3,601	SF		\$ -	\$ -	\$ -		\$ 0.90	\$ 3,240.90	\$ 1.06	\$ 3,818.10
Miscellaneous Plumbing Work	3,601	SF		\$ -	\$ -	\$ -		\$ 0.25	\$ 900.25	\$ 0.29	\$ 1,060.58
Div. 22/ PLUMBING	Subtotal			\$ 26,358.00		\$ 11,188.09	\$ -		\$ 80,289.96		\$ 94,589.60
Div. 22/ PLUMBING	Subtotals			\$ 26,358.00		\$ 11,188.09	\$ -		\$ 80,289.96		\$ 94,589.60
Div. 23/ HVAC											
<u>Div. 23/ HVAC</u>											
<u>HVAC</u>											
HVAC Equipment	3,601	SF		\$ -	\$ -	\$ -		\$ 9.65	\$ 34,738.85	\$ 11.37	\$ 40,925.84
Air distribution	3,601	SF		\$ -	\$ -	\$ -		\$ 16.73	\$ 60,248.33	\$ 19.71	\$ 70,978.56
HVAC Piping	3,601	SF		\$ -	\$ -	\$ -		\$ 7.96	\$ 28,678.36	\$ 9.38	\$ 33,785.98
Carbon dioxide	3,601	SF		\$ -	\$ -	\$ -		\$ 1.65	\$ 5,941.65	\$ 1.94	\$ 6,999.86
Testing and balancing	3,601	SF		\$ -	\$ -	\$ -		\$ 1.93	\$ 6,931.93	\$ 2.27	\$ 8,166.50
Allowance for miscellaneous HVAC work; including welding and fittings	3,601	SF		\$ -	\$ -	\$ -		\$ 3.03	\$ 10,893.03	\$ 3.56	\$ 12,833.07
Commissioning	3,601	SF		\$ -	\$ -	\$ -		\$ 0.66	\$ 2,376.66	\$ 0.78	\$ 2,799.94
Div. 23/ HVAC	Subtotal			\$ -		\$ -	\$ -		\$ 149,808.80		\$ 176,489.75
Div. 23/ HVAC	Subtotals			\$ -		\$ -	\$ -		\$ 149,808.80		\$ 176,489.75
Div. 25/ INTEGRATED AUTOMATION											
<u>DDC Controls</u>											
DDC controls	3,601	SF		\$ -	\$ -	\$ -		\$ 4.00	\$ 14,404.00	\$ 4.71	\$ 16,969.35
DDC Controls	Subtotal			\$ -		\$ -	\$ -		\$ 14,404.00		\$ 16,969.35
Div. 25/ INTEGRATED AUTOMATION	Subtotals			\$ -		\$ -	\$ -		\$ 14,404.00		\$ 16,969.35
Div. 26/ ELECTRICALS											
<u>Fixture, Power & Lighting</u>											
				\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
Service Distribution	3,601	SF		\$ -	\$ -	\$ -		\$ 12.35	\$ 44,472.35	\$ 14.55	\$ 52,392.88
Power Devices & Wiring	3,601	SF		\$ -	\$ -	\$ -		\$ 7.80	\$ 28,087.80	\$ 9.19	\$ 33,090.24
Miscellaneous Power	3,601	SF		\$ -	\$ -	\$ -		\$ 1.50	\$ 5,401.50	\$ 1.77	\$ 6,363.51
Lighting Fixtures & Wiring	3,601	SF		\$ -	\$ -	\$ -		\$ 8.95	\$ 32,228.95	\$ 10.54	\$ 37,968.93
Monocrystalline solar panel system	3,601	SF		\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -
Allowance for miscellaneous electrical work	3,601	SF		\$ -	\$ -	\$ -		\$ 1.50	\$ 5,401.50	\$ 1.77	\$ 6,363.51
Allowance for site lighting	186,296	SF		\$ -	\$ -	\$ -		\$ 1.50	\$ 279,444.00	\$ 1.77	\$ 329,212.98
Allowance for canopy lighting	1,500	SF		\$ -	\$ -	\$ -		\$ 2.50	\$ 3,750.00	\$ 2.95	\$ 4,417.88

Fixture, Power & Lighting	Subtotal			\$ -		\$ -		\$ -		\$ 398,786.10		\$ 469,809.90
Div. 26/ ELECTRICALS	Subtotals			\$ -		\$ -		\$ -		\$ 398,786.10		\$ 469,809.90
Div. 27/ COMMUNICATIONS												
<u>Div. 27/ COMMUNICATIONS</u>												
Allowance for Commuication devices and conduits	3,601	SF		\$ -	\$ -	\$ -		\$ 4.00	\$ 14,404.00	\$ 4.71	\$ 16,969.35	
Div. 27/ COMMUNICATIONS	Subtotal			\$ -		\$ -		\$ -		\$ 14,404.00		\$ 16,969.35
Div. 27/ COMMUNICATIONS	Subtotals			\$ -		\$ -		\$ -		\$ 14,404.00		\$ 16,969.35
Div. 28/ ELECTRONIC SAFETY & SECURITY												
<u>Electronic Safety & Security</u>												
Allowance for Electronic Safety & Security	3,601	SF		\$ -	\$ -	\$ -		\$ 4.00	\$ 14,404.00	\$ 4.71	\$ 16,969.35	
Electronic Safety & Security	Subtotal			\$ -		\$ -		\$ -		\$ 14,404.00		\$ 16,969.35
Div. 28/ ELECTRONIC SAFETY & SECURITY	Subtotals			\$ -		\$ -		\$ -		\$ 14,404.00		\$ 16,969.35
Div. 31/ Earthwork												
<u>Div. 31/ Earthwork</u>												
Rough grading	6,899.85	CY		\$ -	\$ 2.98	\$ 20,548.82	\$ 2.14	\$ 14,765.68	\$ 5.12	\$ 35,314.50	\$ 6.03	\$ 41,604.01
Fine grading	20,699.56	SY		\$ -	\$ 0.40	\$ 8,219.53	\$ 0.58	\$ 12,005.74	\$ 0.98	\$ 20,225.27	\$ 1.15	\$ 23,827.39
Main Building Excavation	533	CY		\$ -	\$ 24.82	\$ 13,239.91	\$ 4.85	\$ 2,587.39	\$ 29.67	\$ 15,827.30	\$ 34.95	\$ 18,646.14
Backfilling & Compaction	267	CY		\$ -	\$ 24.82	\$ 6,619.96	\$ 4.85	\$ 1,293.69	\$ 29.67	\$ 7,913.65	\$ 34.95	\$ 9,323.07
Storm water management facility (Bio- retention area)	6,052	SF	\$ 10.00	\$ 60,520.00	\$ 3.23	\$ 19,525.76	\$ 0.50	\$ 3,026.00	\$ 13.73	\$ 83,071.76	\$ 16.17	\$ 97,866.85
Silt fence	2180	LF	\$ 3.00	\$ 6,540.00	\$ 1.49	\$ 3,246.19		\$ -	\$ 4.49	\$ 9,786.19	\$ 5.29	\$ 11,529.11
SCE areas	500	SF	\$ 2.50	\$ 1,250.00	\$ 1.49	\$ 744.54		\$ -	\$ 3.99	\$ 1,994.54	\$ 4.70	\$ 2,349.77
Div. 31/ Earthwork	Subtotal			\$ 68,310.00		\$ 72,144.70		\$ 33,678.50		\$ 174,133.20		\$ 205,146.33
Div. 31/ Earthwork	Subtotals			\$ 68,310.00		\$ 72,144.70		\$ 33,678.50		\$ 174,133.20		\$ 205,146.33
Div. 32/ Exterior Improvements												
<u>Site Concrete & Paving</u>												
Allowance for site benches	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 10,000.00	\$ 10,000.00	\$ 11,781.00	\$ 11,781.00
Standard Asphalt pavement	1,748	SY	\$ 18.00	\$ 31,460.00	\$ 2.48	\$ 4,337.62	\$ 2.26	\$ 3,949.98	\$ 22.74	\$ 39,747.60	\$ 26.79	\$ 46,826.65
Concrete Base for security railings	1,050	SF	\$ 6.15	\$ 6,457.50	\$ 4.96	\$ 5,211.77		\$ -	\$ 11.11	\$ 11,669.27	\$ 13.09	\$ 13,747.56
Exterior Concrete Stairs	360	LF	\$ 36.00	\$ 12,960.00	\$ 34.75	\$ 12,508.24		\$ -	\$ 70.75	\$ 25,468.24	\$ 83.34	\$ 30,004.14
Concrete Curb	1,577	LF	\$ 6.50	\$ 10,250.50	\$ 4.96	\$ 7,827.58		\$ -	\$ 11.46	\$ 18,078.08	\$ 13.51	\$ 21,297.78
Cross walk	40	LF	\$ 3.00	\$ 120.00	\$ 1.49	\$ 59.56	\$ 5.00	\$ 200.00	\$ 9.49	\$ 379.56	\$ 11.18	\$ 447.16
Heavy duty asphalt roadway	17,335	SF	\$ 3.00	\$ 52,005.00	\$ 1.49	\$ 25,813.14	\$ 0.20	\$ 3,467.00	\$ 4.69	\$ 81,285.14	\$ 5.52	\$ 95,762.03
New retaining walls	185	LF	\$ 164.00	\$ 30,340.00	\$ 114.46	\$ 21,175.16	\$ 27.74	\$ 5,131.90	\$ 306.20	\$ 56,647.06	\$ 360.73	\$ 66,735.91
Tactile Strip	745	LF	\$ 3.50	\$ 2,607.50	\$ 1.74	\$ 1,294.26	\$ 1.50	\$ 1,117.50	\$ 6.74	\$ 5,019.26	\$ 7.94	\$ 5,913.19
Concrete Sidewalk	12,900	SF	\$ 5.50	\$ 70,950.00	\$ 2.48	\$ 32,015.15		\$ -	\$ 7.98	\$ 102,965.15	\$ 9.40	\$ 121,303.24
Concrete Ramp	1,115	SF	\$ 30.00	\$ 33,450.00	\$ 9.93	\$ 11,068.80		\$ -	\$ 39.93	\$ 44,518.80	\$ 47.04	\$ 52,447.60
Allowance for Parking stripes	1	LOT		\$ -	\$ -	\$ -		\$ -	\$ 20,000.00	\$ 20,000.00	\$ 23,562.00	\$ 23,562.00

Ramps	2	EA	\$ 500.00	\$ 1,000.00	\$ 198.54	\$ 397.09	\$ -	\$ 698.54	\$ 1,397.09	\$ 822.95	\$ 1,645.91
Flush Curb	25	LF	\$ 5.50	\$ 137.50	\$ 7.45	\$ 186.13	\$ -	\$ 12.95	\$ 323.63	\$ 15.25	\$ 381.27
Site Concrete & Paving	Subtotal			\$ 251,738.00		\$ 121,894.51		\$ 13,866.38	\$ 417,498.89		\$ 491,855.44
Landscaping											
Allowance for miscellaneous Landscape work	47,195.0	SF	\$ 1.50	\$ 70,792.50	\$ 0.74	\$ 35,138.48	\$ -	\$ 2.24	\$ 105,930.98	\$ 2.64	\$ 124,797.29
Landscaping	Subtotal			\$ 70,792.50		\$ 35,138.48		\$ -	\$ 105,930.98		\$ 124,797.29
Site Metals											
Heavy Duty Railings	350	LF	\$ 80.00	\$ 28,000.00	\$ 9.93	\$ 3,474.51	\$ -	\$ 89.93	\$ 31,474.51	\$ 105.94	\$ 37,080.12
Regular Star Railings	262	LF	\$ 60.00	\$ 15,720.00	\$ 9.93	\$ 2,600.92	\$ -	\$ 69.93	\$ 18,320.92	\$ 82.38	\$ 21,583.88
Site Metals	Subtotal			\$ 43,720.00		\$ 6,075.43		\$ -	\$ 49,795.43		\$ 58,664.00
Div. 32/ Exterior Improvements	Subtotal			\$ 732,501.00		\$ 326,216.85		\$ 27,732.76	\$ 1,146,450.61		\$ 1,350,633.46
Div. 32/ Exterior Improvements	Subtotals			\$ 732,501.00		\$ 326,216.85		\$ 27,732.76	\$ 1,146,450.61		\$ 1,350,633.46
Div. 33/ Utilities											
Div. 33/ Utilities											
Storm Utilities											
12" HDPE pipe	335	LF	\$ 43.00	\$ 14,405.00	\$ 21.06	\$ 7,055.74	\$ -	\$ 64.06	\$ 21,460.74	\$ 75.47	\$ 25,282.90
15" HDPE pipe	96	LF	\$ 55.00	\$ 5,280.00	\$ 21.06	\$ 2,021.94	\$ -	\$ 76.06	\$ 7,301.94	\$ 89.61	\$ 8,602.42
SWM Facility Perforated PVC for underdrains	500	LF	\$ 10.00	\$ 5,000.00	\$ 12.64	\$ 6,318.58	\$ -	\$ 22.64	\$ 11,318.58	\$ 26.67	\$ 13,334.41
Cleanout	8	EA	\$ 1,500.00	\$ 12,000.00	\$ 168.50	\$ 1,347.96	\$ -	\$ 1,668.50	\$ 13,347.96	\$ 1,965.65	\$ 15,725.24
Relocate Fire hydrant	2	EA	\$ -	\$ -	\$ 336.99	\$ 673.98	\$ -	\$ 336.99	\$ 673.98	\$ 397.01	\$ 794.02
24" Drain basin w/ dome grate	5	EA	\$ 550.00	\$ 2,750.00	\$ 336.99	\$ 1,684.95	\$ -	\$ 886.99	\$ 4,434.95	\$ 1,044.96	\$ 5,224.82
Curb Cut	2	EA	\$ 550.00	\$ 1,100.00	\$ 168.50	\$ 336.99	\$ -	\$ 718.50	\$ 1,436.99	\$ 846.46	\$ 1,692.92
Allowance for ADS system	2592	SF	\$ 20.00	\$ 51,840.00	\$ 8.42	\$ 21,837.00	\$ -	\$ 28.42	\$ 73,677.00	\$ 33.49	\$ 86,798.87
Water Distribution								\$ -	\$ -	\$ -	\$ -
4" PVC pipe	40	FT	\$ 30.00	\$ 1,200.00	\$ 21.06	\$ 842.48	\$ -	\$ 51.06	\$ 2,042.48	\$ 60.16	\$ 2,406.24
Sanitary								\$ -	\$ -	\$ -	\$ -
6" sanitary	100	LF	\$ 50.00	\$ 5,000.00	\$ 21.06	\$ 2,106.19	\$ -	\$ 71.06	\$ 7,106.19	\$ 83.72	\$ 8,371.80
Gas line connection to building								\$ -	\$ -	\$ -	\$ -
Allowance for Gas Connection	30	LF	\$ 30.00	\$ 900.00	\$ 21.06	\$ 631.86	\$ -	\$ 51.06	\$ 1,531.86	\$ 60.16	\$ 1,804.68
Div. 33/ Utilities	Subtotal			\$ 99,475.00		\$ 44,857.68		\$ -	\$ 144,332.68		\$ 170,038.33
Div. 33/ Utilities	Subtotals			\$ 99,475.00		\$ 44,857.68		\$ -	\$ 152,909.89	\$ 180,143.14	\$ 170,038.33
DIRECT SUBTOTAL									\$ 3,405,960.27		\$ 4,012,561.80