# **Central Park Arena Responsibility**

**Based on Design Development Approval Drawings** 

No.

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1.0	PROPERTY DEVELOPMENT
	Land Acquisition Fee
0.2	Building Permits
0.3	Sewer Tap Fees / Site Servicing Fees
0.4	License Fees
0.5	Legal Fees Relating to Development
0.6	Accounting Fees Relating to Development
0.7	Applicable Taxes - Property, etc.
	Municipal Inspection Fees
0.9	Utility Cost During Construction
	COA, Approvals and Fees
0.11	Construction Insurance
	Construction Interest
0.13	Title Insurance & Transfer Fees
0.14	Liquor Licence Application and Fees
2.0	CONSULTING FEES
0.1	Architectural Fees
0.2	Civil Engineering Design
	Legal Plan of Survey
	Landscape Architect
	Structural Engineering Fees
0.6	Pre-Engineered Sprung Building Engineering
0.7	Mechanical Engineer
	Electrical Engineer
	Elevator Consultant
	Testing and Inspection
	Surveyor confirmation of Building
	Geotechnical Report
	Fire Safety Plan
0.14	TCCA Fass and License Annexuel for Flaveter
	TSSA Fees and Licence Approval for Elevator
0.15	TSSA Fees and Licence Approval for Ice Plant
0.15 0.16	TSSA Fees and Licence Approval for Ice Plant Existing Site Service Locates
0.15 0.16 0.17	TSSA Fees and Licence Approval for Ice Plant

3.0	GENERAL CONTRACTOR EXPENSES
0.1	Construction Management Fee
0.2	Project Manager
0.3	Site Supervision
0.4	Labour (General)
0.5	Temporary Hoarding
0.6	Temporary Fencing
0.7	Temporary Electrical Service
0.8	Temporary Gas Service
0.9	Site Trailer/Storage/Toilets
0.10	Misc. Supplies & Materials
0.11	Waste Disposal

0.12	Safety Supplies
0.13	Equipment Rental
0.14	Scaffolding
0.15	Site Phone / Fax Line
0.16	Cleaning
0.17	Protection
0.18	Winter Protection
0.19	Winter Heating
0.20	De-watering
0.21	Builder's Risk Insurance
0.22	Accommodations in Town of Collingwood
0.23	Travel to and from Collingwood
0.24	Air Travel
0.25	Out of Town Accommodations
0.26	Cellular Fees
0.27	Parking Expenses
0.28	Printing
0.29	Misc. Expenses

4.0	SITE WORK LINE ITEMS
0.1	Existing Tree Removal
0.2	Incoming 8" Sanitary
0.3	Incoming 8" Water Line
0.4	Incoming Power to Transformer Pad
0.5	Secondary Power and Duct Bank to Building
0.6	Fibre to Building
0.7	Bell Service To Building
0.8	4" Gas to Building
0.9	Storm drainage system
0.10	Excavation and compaction
0.11	Exterior Parking Lighting
0.12	Parking Lot & Curbing
0.13	Parking Lot Asphalt
0.14	Parking Lot Painting & Striping
0.15	Exterior Lighting
0.16	Trees
0.17	Landscaping
	Irrigation from building to landscaping
0.19	Final Exterior Site Cleaning

5.0	GENERAL BUILDING CONSTRUCTION
0.1	Excavation and grading
0.2	Engineered Fill at Building
	5" compacted sand rink floor
	Compacted sand 8-12" base below insulation at rink floor
	2 layers 2.5" insulation, vapour barrier
0.3	Strip Trench Footing, Rebar, Etc.
0.4	Concrete Ring Beam, Rebar, Slab on Grade, Mesh, etc.
0.5	Snow Melting Pit, Elevator Pit, In-floor Trenches & Access Pits
0.6	Concrete Maintenance Pad and / or Raised Concrete Pads
0.7	Pre-Engineered Sprung Building
0.8	Sprung Building Erection
0.9	Interior Masonry Partitions

0 10	Steel Exit Stairs from Mezzanine
	Steel Support frame for Mezzanine
	Steel Support Stand for Evaporator Condenser
	Misc Steel Support Frames, Stands, Angles, Rails, etc.
0.11	Precast Core Slab Mezzanine
	Aluminum Seating
0.12	Admindin Gealing
0.13	Dasher Board System
0.10	
0.14	Glass & Glazing Systems
0.14	
0.15	Interior Aluminum Doors and Frames
	Hollow Metal Interior Doors and Frames
0.10	
0.17	Master Keying
0.18	Caulking
	Interior Painting
0.20	Exterior Painting
	General Carpentry / Millwork
0.22	Acoustical Tile Ceilings
	Gypsum Board / Waterproof Gypsum Ceilings
	Exposed Ceilings
	Porcelain Tiles
0.26	Recycled Heavy Duty Rubber Floor
	Vulcanized Rubber Floor
0.28	Rubber Base
	Protective Interior Wall Panels
	Vinyl Composite Tiles
	Painted Concrete Floor
	Exposed Concrete Floor
	Interior Overhead Doors
0.34	Elevator
	Elevator Machine Room
0.36	Roll-up Grilles
	Dressing Room Accessories
0.38	Washroom Partitions
0.39	Vantiy Tops
	Mirrors
0.41	Washroom Accessories
R	

0.42	Santization / Air freshing System
0.43	Bollards at Doors

6.0	ICE PLANT
0.1	Packaged Ice Refrigeration Plant
0.2	Snow Melting Pit or Tank for Ice Resurfacer
0.2	Collection pit at end of ice for shoveled snow
0.3	Under floor heating lines below rink floor
0.5	Centre Header trench at rink floor
0.6	1.25" dia glycol refrigerant lines below ice

7.0	PLUMBING AND MECHANICAL
0.1	Ice Resurfacer Hot Water Tank
0.2	Emergency Eye Wash
0.3	Brine Purification System
0.4	Water Purification System
0.5	Facility Boiler/Heating & HVAC Systems
0.6	Building Exhaust Systems
0.7	Overhead Radiant Heaters For Bleacher Areas
0.8	Ice Rink Environmental Process System – Dehumidification
0.9	Sprinkler System
	Fire Extinguisher & Cabinets
0.11	Domestic Plumbing & Hot Water Systems
0.12	Change room & Restroom Fixtures
0.13	Concession Stands
	Drinking Fountain
0.14	
0.15	Floor Drains, Hub Drains, etc
0.16	Back Flow Prevention
0.17	Underground Plumbing and Drainage to Sanitary

8.0	ELECTRICAL
0.1	Main Ice Plant Room
0.2	Public Area Electrical Room
0.3	Supplemental heater system for sub-floor heating system
0.4	Dehumidifiers
0.5	Main arena lights
0.6	Office, Lobby Area, Multipurpose room, Hallway lighting
0.7	Washroom and Change room Lighting
	Lobby Atrium Area Lighting
0.9	Service Room Lighting
	Concession equipment
	Mechanical HVAC Equipment
	Sound system
	Skate sharpening room
	Overhead Scoreboard
	Any electrical heat employed in building design
	Supply panel for External lighting by TOC
	Standard 110 volt outlets
	Specialty 220 volt outlets
	Vending Machine
	A/V Systems
	Auto Door Openers
	Emergency lighting system
	Fire Alarm System and Annunciator Panel
	Smoke Detectors, Heat Detectors
0.25	Security System

9.0	BUILDING OPERATING EQUIPMENT
0.1	Audio Visual System
0.2	Computerized Controller System for Ice Plant
0.3	Special Computerized Rink Lighting Package
0.4	Skate Sharpener Machine
0.5	Specialty Computerized Sound System
0.6	Specialty Counter Furniture
0.7	Pro Shop Displays & Fixtures
0.8	Concession Dining Tables
0.9	Computer Based Telephone Equipment
	Building Computer System Network
0.11	Computerized Change Room Monitor and Equipment
0.12	Concession Equipment
	Specialty Trash Receptacles
0.14	Misc. Clocks
	Computerized Registers
	Computers
0.17	Modular Office Partitions
	Desks, Chairs, Etc.
0.19	Electronic Overhead Score Board
	Game Clock
	Computerize Scoreboard Timing System
	Goal Light Systems
0.23	Hockey Goals
	Figure Skating Harness or Equipment
	General Signage
	Life Safety Signage
0.27	Specialty Signage

0.28 Exterior Signage

0.29 Building Face Artwork

0.30 Interior Artwork

 0.31
 Decorations – Flags, Banners, Corporate Banners

 0.31
 Rink Board Advertising

10.0	ICE RESURFACING EQUIPMENT
	Ice Resurfacing Machines & Accessories
	Additional Propane Tanks
	Exterior Propane Storage Rack
0.0	Ice Edger - prefer Thompson
0.5	General Rink Operating Supplies
0.0	
<u> </u>	
<u> </u>	
<u> </u>	
0.6	Doint Supply
0.0	Paint Supply Fluorescent additive
	In ice logos and artwork
0.0	First painting and initial ice making labour
0.9	r not painting and initial loe making labour

### 11.0 MAINTENANCE AGREEMENTS (BEYOND 1 YEAR WARR

- 0.1 Refrigeration Plant Yearly Maintenance
- 0.2 Elevator Service
- 0.3 Mechanical HVAC Systems, Pumps, etc.
- 0.4 Fire Alarm Monitoring

## Matrix

### Dated November 6, 2012

#### **Description / Comments**

All land related fees and expenses

Foundation, Building Permit

All site servicing related fees from

Any business licence or licence fees not otherwise stated below

Overall project legal fees

Overall project administration and accounting

Property taxes

Building, Health, Fire, Alcohol, etc.

All temporary gas, hydro and water

All zoning, COA, NVCA Approvals and related fees

Separate from BLT insurance for the whole of the property and areas outside of BLT work site

Interest on any construction related loans

Land transfer related costs, new address related fees

Only if upper area becomes licenced bar

All drawings, documents, inspections and certifications to execute the architectural design under the OBC
All drawings, documents, inspections and certifications to execute the civil design under the OBC
All drawings, documents, inspections and certifications to execute the legal plan of survey
All drawings, documents, inspections and certifications to execute the landscape design under the OBC
All drawings, documents, inspections and certifications to execute the structural design under the OBC
All drawings, documents, inspections and certifications to execute the structural design under the OBC
All drawings, documents, inspections and certifications to execute the mechanical design under the OBC
All drawings, documents, inspections and certifications to execute the electrical design under the OBC
Specifications, tendering, award, shop drawings and commissioning
Compaction, concrete design, concrete slump, rebar, steel, mortar, etc.
Pinning of 4 corners of building for legal purposes, final confirmation
Borehole tests for whole of site including parking area
Fire Safety plan to be posted
Application for inspection, Fees and Final Inspection and Certificate
Application for inspection, Fees and Final Inspection and Certificate
Locating and marking out all existing hydro, gas, phone, cable, sewer, water, etc.
Provide a site safety consultant to write site policy and periodic inspections
Provide an energy model analysis of the building and report on which building component can meet LEED

All office related administrative and overhead costs

Dedicated BLT liaison(s) to administer meetings, contracts, progress, budget, schedule, paperwork

Dedicated BLT liaison(s) to administer trades, quality, safety, schedule, changes, etc.

Dedicated BLT liaison(s) to maintain the site order, assist in all areas of construction

6' high x 10' long metal fast fence hoarding with swing gate at entrance

Rolled orange mesh or low plywood hoarding for localized safety control

BLT to tap off existing nearly service for tools, lighting, etc.

BLT to tap off new or existing nearby power for winter heating purposes

For use by all trades on site and as required by MOL

Drills, bits, Cangos, lumber, tarps, marking paint, etc.

For use by all trades and divided equally among trade contracts based on use

Hardhat sign, safety board, manual, etc.
Larger or heavy duty equipment required to complete the task, rented locally where possible
Sectional scaffolding required for use for all trades.
For correspondence with site staff and head office
Daily maintenance of the site for safety and pride
Localized protection of floors, walls, finished areas or from the elements where required
Large area protection of footings, trenches, slabs, walls requiring protection from the elements
Large area gas heating of footings, trenches, slabs, walls requiring protection from the elements
Pumping of water from any areas of the work
\$5M liability insurance with TOC as additional named party
Local accommodations for all BLT site workers during the course of construction
BLT staff travel to the site from the office, additional travel where required
Non-recoverable air travel for meetings with Sprung, or as required for the project.
Out of town accommodations for meetings with Sprung, or as required for the project.
All staff cellular related fees over the duration of the project.
All non-recoverable parking fees related to the project. Recoverable billed separately.
All non-recoverable blueprint, copies, etc. related to the project. Recoverable billed separately.
All other non-recoverable misc. job related expenses not otherwise stated above

Remove and dispose of all trees, shrubs, bushes on site
Bring incoming 8" sanitary to manhole at west end of building then to location at outside of building
Bring incoming 8" water to south- west corner of building in Sprinkler Room
Bring in overhead from Minnesota St. to pad mounted transformer at rear of building
From pad mounted transformer bring to desired location at building to switchgear at rear of building.
Bring Fibre to desired termination location in building
Bring Bell from overhead on Minnesota street to desired termination location in building
Bring gas to rear pad at desired location c/w meter.
Provide storm water management for site
Provide all excavation and compaction work OUTSIDE of the building footprint
Run service to lighting from feed off panel provided by BLT
Provide all perimeter and parking concrete curbs, sidewalks, ramps etc outside of building
Provide asphalt to all exterior surfaces where noted on Landscape drawings
Provide line painting to all parking stalls, etc. where noted on Landscape drawings
Any lighting attached to the building and above all exits.
Supply and install any new trees where indicated by Landscape drawings
Supply and install all topsoil, sod, bushes, shrubs, gardens where indicated on Landscape drawings
Supply and install irrigation system. Connection at building rough-in provided by BLT at building.
Street clean, wash, hose, sweep all exterior surfaces and streets during construction and at opening

1 scissor exit, 1 straight run exit, c/w concrete infill trades and handrails
Steel beams and column frame to support mezzanine where required. Steel lintels above doors
Approx 19' x 12' x 12' high outside refrigeration room. Size to be confirmed.
As required or specified on drawing set
8" or greater structural hollow core slab panels c/w joint caulking at mezzanine level
Milled aluminum closed riser and tread system c/w recycled plastic seating for comfort
250 seats, side protection railings
42" high aluminum frame with continuous glass perimeter and 7 (36") removable exit doors plus boxes
White protective mesh meeting at ends and closed face at bleachers
30' x 5' player benches, 2 penalty boxes, time keeper boxes
Curtain Wall system at west exterior façade of building
Ground Floor hollow metal windows and GWG (if req'd)between viewing area and arena
Upper Level hollow metal window and GWG (if req'd) between viewing area and arena
Upper Level hollow metal window and GWG (if req'd) between viewing area and lower lobby
Sliding locakable glass window at offce counter
GF: 3 sets of double door aluminum door, frames and glass with panic hardware leading to arena
GF: 17 single doors and frames c/w heavy duty hardware, fire rating where required, paint finish
GF: 3 sets double doors and frames c/w heavy duty hardware, fire rating where required, paint finish
Mezz: 5 single doors and frames c/w heavy duty hardware, fire rating where required, paint finish
GF: 2 sets double doors and frames c/w heavy duty hardware, fire rating where required, paint finish
Any doors with thumbturn locks or lock sets require master keying
All windows, doors, slabs, build-in counters, grilles, etc. requiring a clean finished product
Heavy duty paint on all surfaces where applicable to receive paint
Lower masonry walls to receive different colour for maintenance purposes
Steel bollards at roll-up door only
Vanities
Front Counter for Vending
Front Counter for Skate Shop
Misc. Wood Blocking where required.
Only in lower viewing area and low-abuse areas with high ceilings
Where rated ceilings required, public washroom ceilings, bulkheads are required or as indicated on the plans
All change rooms to u/s of painted core slab
12" x 24" x 3/8" porcelain tile floors and base at main entrance, elevator cab, public hallway to ice surface
12" x 24" x 3/8" porcelain tile wall tiles at Elevator Wall facing entrance floor to ceiling
12" x 24" x 3/8" porcelain tile floors and base at GF and Mezz Public Washrooms
2" x 2" ceramic tiles at all shower floors
Black colour at benches, leading to benches and all arena floor surfaces leading from public area to ice or seating
Skate resistant, coloured pattern in G.F. Lobby, Change rooms and Change room Hallway leading to arena doors
Johnsonite 4" high rubber base at all interior spaces where rubber and VCT floor used. Not required in arena space
White protective wall panels to 6' at interior of structure in high traffic areas to protect Sprung interior
12" x 12" VCT in all offices, concessions, skate sharpen, Mezz. Lounge, Hallway, Janitor, Stg, and Multi-purpose room
All Stairwells
All Ice Plant, Mechanical, Electrical, Service Spaces, and area between boards and Resurfacing room where noted
(1) interior overhead door 12' x 14' to resurfacing room
2,500lb holeless elevator c/w s.s wall and ceiling panels
min. 6' x 8' machine room to house equipment, controllers at G.F (near elevator)
Supply and install roll-up clear anodized aluminum grilles at concession stands and skate sharpening counter,
Wall mounted stick holder
Wall mounted wood slat benches
Wall mounted chalk board with rink diagram
Floor mounted metal toilet partitions and wall mntd. urinal dividers in all washrooms and change rooms
Plastic laminate vanity tops in all washrooms and change rooms
Washroom mirrors 6mm tempered and polished and hung in wall clips above vanity
Changerooms mirrors 6mm polished s.s. vandal resistant adhered to block wall
Bobric or Frost or equal s.s. double toilet tissue holder or roll system at each w.c
MODIFIC OF METOD OF A CONTON PONION CONCOL OF AGON WALLIN WOMAN'S
Bobric or Frost or equal s.s. sanitary napkin disposal at each w.c. in women's
Coat hook (s.s) at back of all b.f. partition doors (2) S.s. grab bars at all barrier free stalls as required by OBC.

(1) Electric Hand Dryer at each public Washroom

(1) Surface mounted s.s.. paper towel dispenser in each Public Washroom

(1) Wall Mounted Baby Change Table in each Public Washroom

Automatic sanitizer system

Steel Bollards at roll-up doors only

Upgrade from 80 Tons to 100 Ton Packaged Unit 20' x 8'6" x 9' high
2 Mycom Compressors
Evaporative Condenser, Condenser Water Tank, Water Pump
Brine Chiller, Surge Drum, High Side Ammonia Control
Cold and Warm Brine Centrifugal Pump
Compressor Jacket, Cooling System, Pump, Expansion Tank
Under floor Heat Exchanger
Control Panel
Ammonia Gas Leak Detector c/w Alarm Beacons
Expansion Tanks - Cold Floor, Warm Floor, Compressor, Overflow
Ammonia Refrigerant Piping
Relief and Fire Lines
Refrigerant Valves and Controls
Glycol heating lines through snow melting tank, heat exhanger and pump
Need trench and drains motorized roll-up door for resurfacer snow to be shoveled into.
1.25" lines in compacted sand below ice level
Centre header trench for cooling and heating lines
Continuous loop refrigeration lines back to ice plant

<ul> <li>apable of producing a minimum of 180 gallons of 130 degree F water per hour</li> <li>accated in Ice Plant Room near door</li> <li>accated in Ice Plant Room</li> <li>Reverse osmosis located at Ice Resurfacing Room for flooding purposes only</li> <li>Packaged gas fired heating / Cooling units as required in design</li> <li>ce Resurfacer Room at Iow level</li> <li>ce Plant Room - tied to ammonia evacuation alarm</li> <li>All Concessions to have improved local exhaust requirements but not welded ductwork or any NFPA 701 requirements</li> <li>Continuous gas fired linear overhead heating above stands</li> <li>Packaged DA2 dehumidifiers or equivalent c/w all ductwork as required by design</li> <li>Dry System in all cold areas, wet system in warm areas. Room at S.W. corner of building. All installation, verification.</li> <li>n locations as determined by the Architect / Engineer in compliance with OBC (where required and if required)</li> <li>Gas fired boiler / hot water tank for domestic hot water. All cold water plumbing, drainages, etc</li> </ul>
Reverse osmosis located at Ice Resurfacing Room for flooding purposes only Packaged gas fired heating / Cooling units as required in design ce Resurfacer Room at low level ce Plant Room - tied to ammonia evacuation alarm All Change rooms, washrooms, skate sharpening and as required in public areas All concessions to have improved local exhaust requirements but not welded ductwork or any NFPA 701 requirements Continuous gas fired linear overhead heating above stands Packaged DA2 dehumidifiers or equivalent c/w all ductwork as required by design Dry System in all cold areas, wet system in warm areas. Room at S.W. corner of building. All installation, verification. In locations as determined by the Architect / Engineer in compliance with OBC (where required and if required)
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as fired boiler / hot water tank for domestic hot water. All cold water plumbing drainages etc.
GF: 16 Flush Valve floor mounted toilets - fixed count
GF: 4 Flush Valve wall mounted urinals - fixed count
GF: 16 drop in vanity sinks c/w chrome p-trap
GF: sets of level handle tall neck faucets at vanity
GF: 8 Change room showers, drains, controls, etc.
Iezz: 8 Flush Valve floor mounted toilets or as required by occupant load - whichever is less
Iezz: 3 Flush Valve wall mounted urinals or as required by occupant load - whichever is less
Rough-in for future domestic water and drainage requirements as outlined by TOC
1) s.s fountain c/w water fill lever at top in Change room Hallway
1) multi level barrier free s.s fountain at Public Washroom Hallway
Vhere ice resurfacer exits ice, all mechanical spaces, change rooms, washrooms, concessions, etc.
hroughout Change room Hallway, At Vending, etc.
lub Drains for condensates, mechanical equiment and concession equipment
Provide back flow preventors throughout as required by Cimcoe, OBC as directed in contract documents
Connection to incoming service provided by T.O.C. at building. Location TBD

Provide separate service for controller as required by Ice Plant Trade
Incoming Electrical to enter into this room for mechanical services and split off to other electrical room for public spaces
Provide separate service for controller as required by Ice Plant Trade
Power supply to (2) ice rink dehumidifiers mounted at approx 15' a.f.f
(40) 4 lamp T5 fluorescent fixtures c/w protective waterproof, shatterproof cage in standard arena configuration
Switches controlled at main office - location TBD
T5 Fluorescent lighting as specified by engineer
Shatterproof lens, 48" long T5 fluorescents to be on auto sensor control
Serviceable up-lighting to wash vertically up walls
Shatterproof lens, 48" long T5 Fluorescents to be on auto sensor control
Provide 60 amp, 3 Phase, 220V sub-panel to GF and Mezz. Concessions for tenant fit-up
Provide all electrical service as required in design or by Mechanical Trade
Provide basic sound system and control for skating and hockey use
Provide table level power for (2) sharpening machines
Provide all necessary service and wining for scoreboard, controller, etc.
Provide power to supplemental baseboard heating in rooms requiring ventilation only and if required under OBC
Provide panel rough-in for any exterior lights, power, etc as required under Landscape design
Provide standard 110V outlets in all rooms as per Electrical Engineer, OBC and where specifically directed prior to tender
Provide specialty 220V outlets in all rooms as per Electrical Engineer, OBC and where specifically directed prior to tender
Provide vending machine outlets as per Electrical Engineer where specifically directed prior to tender
Provide all power for monitors, A/V equipment where required
Provide all power for all automatic door systems including end boards and front entrance sliding doors
Provide all required emergency lighting as required under OBC
Provide all fire alarm, annunciator panel and testing verification as required under OBC
Provide all required heat and smoke detectors as required under OBC
Rough-in conduit for TOC Supplied Security System

Supply and install standard speaker arrangement, amplifiers and tie in to time keepers box Supply and installation of computerized 6000 ESC Rink controller hardware and sofware Supply and installation of concert lights or coloured lights for skating or concerts Supply and installation of skate sharpening equipment Supply and installation of lighting or sound system controllers Supply and install any countertop equipment and furniture All store fixtures supply and installation Tables, chairs, booths, condiment stands, benches, etc. supply and installation All phones, switches and phone system related equipment supply and installation Any building automation equipment such as Johnson controls or similar Change Room Directory Monitor(s) software, hardware Supply and install pizza warmers, hot dog rollers, fridges, counters, work tables, electric fryers, candy displays, restauran Supply and install recyling, trash bins, etc both interior and exterior Supply and install time clocks in public areas Cash registers, event booking software, etc All comuter monitors, hardware, software, keyboards, mouse, UPS, etc All interior modular office partiton, whips, lighting, wiring of, work relating to, etc. All office furniture Centre hung LED score board c/w score, penalty, period, etc. - approx 12' x 12' x 6' high LED end game closck mounted at approx 10' - 12' a.f.f. Computerized score board controller either wireless or hardwired to score board Wireless goal lights hung on end glass if required (2) goal frame sets - goals / pads / posts / netting All harness related equipment including wires, installation, etc All room signage, directional signage, and general purpose signage not related to advertising

All life safety signage relating to the operation of the building as required by Fire Department, OBC, TSSA

Board signage, sponsor signage, exterior signage, electronic signage of any kind

Exterior parking lot signage, pylon signage, electronic building signage of any kind West Building façade artwork or applied signage - Artwork required by TOC. Public art, framed art, etc Supply and installation of any flags, banners, flag poles, etc/ Supply and installation of any rink board advertising

Supply and deliver Oympia Ice Resurfacing machine c/w standard accessories
Supply of additional (beyond intial 2) propane tanks for ice resuracing machine
Lockable painted steel storage rack with cage doors
Gas powered ice edging machine
Shovels - plastic grain / metal flat nose
Gas can - for edger
5 gal buckets (3) - ice main.
50' garden hose - zam room
Hose hanging racks for walls
*hose nozzles - garden hose
1.5" x 225' flood hose - resurfacer fill and flood hoses
1.5" hose nozzles - flooding
(2) Squeegees
(1) Ice chipper
(1) ice pick
(10) pucks
(2) goal frame sets - goals / pads / posts / netting
2" centrifugal pump w/rigid inlet hose
2" to ¾" (garden hose) adapter
(3) y-adapter for garden hose
(3) brass garden hose nozzles
(6) 50' garden hoses
(3) 55 gallon containers - can be trash cans
(2) shovels - to stir
(2) 4' x 8' sheets of 2" Styrofoam
(4) bags of assorted foam brushes
(1) small box of 3" drywall screws
(3) rolls of nylon twine
(3) lengths of 1.5" PVC piping
(3) 1.5" PVC couplings
(3) garden pump sprayers
(3) 9" rollers
(12) roller covers / medium nap
(3) roller pans
(1) 100' tape measure
Supply of reflective white by Jet ice for first painting
Supply any fluorescent additive
Any logos, artwork, sponsorship logos
After intial sand installation first ice installation and painting labour in conjection with BLT forces

### ANTY)

10-Nov-12

BLT Items TOC	Items Awarded Trade
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-	Ву ТОС	
-	By TOC	
-	By TOC	
-	Ву ТОС	
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	
	Ву ТОС	
-	Ву ТОС	
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	

Included	-	Szeto Architect
-	Ву ТОС	
-	Ву ТОС	
-	Ву ТОС	Tatham
Included	-	K.O. Engineering
Included	-	Sprung Structures
Included	-	B.K. Consulting
Included	-	B.K. Consulting
Included	-	National Elevator
Included	-	Terraprobe
Included	-	
Included	-	Terraprobe
Included	-	
Included	-	TSSA
Included	-	TSSA
Included	-	Call-One
Included	-	WPI Consultants
Included	-	BLT Construction

Included	-	BLT Construction
Included	-	BLT Construction
-	Ву ТОС	BLT Construction
	Ву ТОС	BLT Construction
Included	-	BLT Construction
Included	-	BLT Construction
Included	-	BLT Construction

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Included	-	BLT Construction

-	By TOC	
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	
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-	Ву ТОС	
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-	Ву ТОС	
-	Ву ТОС	
-	By TOC	
-	By TOC	
Included	-	
-	Ву ТОС	
-	By TOC	
-	By TOC	
-	Ву ТОС	

Included	-	
Included	-	
Included	-	Sprung Structures
-	Ву ТОС	
Included	-	BLT Construction
Included	-	

Included	-	
Included	-	
Included	-	Sports System Inc.
Included	-	Sports System Inc.
Included	-	Sports System Inc.
Included	-	
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Included	-	
-	T.O.C.	
Included	-	

Included	-	Cimco Refrigeration
Included	-	Cimco Refrigeration

Included	-	
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Included	wa.	
Included	-	

Included	-	
Included	-	
Included	-	
Included	By T.O.C.	

Included	-	
N.I.C.	Ву ТОС	
N.I.C.	By TOC	
N.I.C.	Ву ТОС	
N.I.C.	By TOC	
N.I.C.	Ву ТОС	
Included	-	
Included	-	
Included	-	
N.I.C.	Ву ТОС	
Included		
N.I.C.	Ву ТОС	
Included	-	
Included	-	
N.I.C.	Ву ТОС	

N.I.C.	Ву ТОС	
Included	-	Sprung Structures
N.I.C.	By TOC	
N.I.C.	By TOC	
N.I.C.	By TOC	

Included	-	Olympia Inc.
N.I.C.	Ву ТОС	
N.I.C.	By TOC	
Included	-	
-	BY T.O.C.	
Included	BY T.O.C.	BLT / TOC Combined

-	BY T.O.C.	
-	BY T.O.C.	
-	BY T.O.C.	
-	BY T.O.C.	

# **Central Park Arena Responsibility**

**Based on Design Development Approval Drawings** 

No.

ltem

1.0	PROPERTY DEVELOPMENT
0.1	Land Acquisition Fee
0.2	Building Permits
0.3	Sewer Tap Fees / Site Servicing Fees
0.4	License Fees
0.5	Legal Fees Relating to Development
0.6	Accounting Fees Relating to Development
0.7	Applicable Taxes - Property, etc.
0.8	Municipal Inspection Fees
0.9	,
0.10	COA, Approvals and Fees
	Construction Insurance
	Construction Interest
0.13	Title Insurance & Transfer Fees
2.0	CONSULTING FEES
0.1	Architectural Fees
0.2	Civil Engineering Design
	Legal Plan of Survey
0.4	Landscape Architect
0.5	
0.6	
0.7	Mechanical Engineer
	Electrical Engineer
	Elevator Consultant
	Testing and Inspection
	Surveyor confirmation of Building
	Geotechnical Report
	Fire Safety Plan
	Existing Site Service Locates
	Asbestos Abatement Report
	Existing Condtion Survey
	Existing Pool Improvements Study
0.18	Safety Consultant and Monitoring Fees

3.0	GENERAL CONTRACTOR EXPENSES
0.1	Construction Management Fee
0.2	Project Manager
0.3	Site Supervision
0.4	Labour (General)
0.5	Temporary Hoarding
0.6	Temporary Fencing
0.7	Temporary Electrical Service
0.8	Temporary Gas Service
0.9	Site Trailer/Storage/Toilets
0,10	Misc. Supplies & Materials
0.11	Waste Disposal
0.12	Safety Supplies

0.13	Equipment Rental
0.14	Scaffolding
0.15	Site Phone / Fax Line
0.16	Cleaning
0.17	Protection
0.18	Winter Protection
0.19	Winter Heating
0.20	De-watering
0.21	Builder's Risk Insurance
0.22	Accommodations in Town of Collingwood
0.23	Travel to and from Collingwood
0.24	Air Travel
0.25	Out of Town Accommodations
0.26	Cellular Fees
0.27	Parking Expenses
0.28	Printing
0.29	Misc. Expenses

4.0	SITE WORK LINE ITEMS
0.1	Existing Tree Removal
0.2	Demolition of Existing Changeroom Structure
0.3	Incoming 8" Sanitary
0.4	Incoming 6" Water Line
0.5	Incoming Power to Transformer
0.6	Secondary Power and Duct Bank to Building
	Fibre to Building
0.8	Bell Service To Building
	3" Gas to Building
	Storm drainage system
	Excavation and compaction
	Exterior Parking Lighting
	Parking Lot & Curbing
	Parking Lot Asphalt
	Parking Lot Painting & Striping
0.16	Exterior Lighting
	Trees
	Landscaping
	Irrigation from building to landscaping
0.20	Final Exterior Site Cleaning

5.0	GENERAL BUILDING CONSTRUCTION
0.1	Excavation and grading
0.2	Engineered Fill at Building
0.3	Strip Trench Footing, Rebar, Etc.
0.4	Concrete Ring Beam, Rebar, Slab on Grade, Mesh, etc.
0.5	Concrete Alternate for Therapy Pool
0.6	Concrete Maintenance Pad and / or Raised Concrete Pads
0.7	Pre-Engineered Sprung Building
0.8	Sprung Building Erection
0.9	Interior Masonry Partitions
0.10	Steel Support frame for Mezzanine
	Misc Steel Support Frames, Stands, Angles, Rails, etc.

0.11	Precast Core Slab Mezzanine
	Aluminum Seating
0.72	
0.14	Glass & Glazing Systems
0.15	Interior Aluminum Doors and Frames
0.16	Hollow Metal Interior Doors and Frames
	Master Keying
	Caulking
0.19	Interior Painting
0.00	Esterio Deintino
0.20	Exterior Painting
0.21	General Carpentry / Millwork
0.23	Gypsum Board / Waterproof Gypsum Ceilings
	Exposed Ceilings
	Porcelain Tiles
0.28	Rubber Base
	Vinyl Composite Tiles
0.32	Exposed Concrete Floor
	Rubber Pool Deck
0.37	Change Room Accessories
0.38	Washroom Partitions
	Vantiy Tops
	Mirrors
	Washroom Accessories
0.42	Santization / Air freshing System
0.43	Bollards at Doors

7.0	PLUMBING AND MECHANICAL
0.1	Pool Heater and Boiler
0.2	Emergency Eye Wash
0.3	New Pool Filtration System
0.4	New Pool Pump
0.5	Facility Boiler/Heating & HVAC Systems
0.6	Building Exhaust Systems
0.8	Natatorium Dehumidification System

	-
0.9	Sprinkler System
0.10	Fire Extinguisher & Cabinets
0.11	Domestic Plumbing & Hot Water Systems
0.12	Change room & Restroom Fixtures
0.14	Drinking Fountain
0.15	Floor Drains, Hub Drains, etc
0.15	New Thereapy Pool
0.16	Back Flow Prevention
0.17	Underground Plumbing and Drainage to Sanitary

-	
8.0	ELECTRICAL
0.1	Pool Pump Equipment
0.2	Public Area Electrical Room
0.4	Main Dehumidifation Systems
0.5	Main Pool Lighting
0.6	Office, Lobby Area, Multipurpose room, Hallway lighting
0.7	Washroom and Change room Lighting
0.8	Lobby Atrium Area Lighting
0.9	Service Room Lighting
0.11	Mechanical HVAC Equipment
	Sound system
0.14	Portable Scoreboard Connection
	Any electrical heat employed in building design
0.16	Supply panel for External lighting by TOC
0.17	Standard 110 volt outlets
0.18	Specialty 220 volt outlets
	Vending Machine
0.20	A/V Systems
0.21	Auto Door Openers
0.22	Emergency lighting system
0.23	Fire Alarm System and Annunciator Panel
0.24	Smoke Detectors, Heat Detectors
0.25	Smoke Detectors, Heat Detectors

9.0	BUILDING OPERATING EQUIPMENT
0.1	Audio Visual System
0.2	Specialty Computerized Sound System
0.3	Specialty Counter Furniture
0.4	Computer Based Telephone Equipment
0.5	Building Computer System Network
0.6	Computerized Change Room Monitor and Equipment
0.8	Specialty Trash Receptacles
0.9	Misc. Clocks
0.10	Computerized Registers
0.11	Computers
0.12	Modular Office Partitions
0.13	Desks, Chairs, Etc.
0.14	Pool Clock
0.15	Computerize Scoreboard Timing System

0.16	General Signage
0.17	Life Safety Signage
	Specialty Signage
0.19	Exterior Signage
0.20	Building Face Artwork
0.21	Interior Artwork
0.22	Decorations – Flags, Banners, Corporate Banners
10.0	POOL OPERATING SUPPLIES
0.1	Re-use existing life safety supplies
0.2	New lane ropes, floatation devices, etc
0.3	Therapy pool equipment
0.4	Chain link- fence storage
0.5	

11.0	MAINTENANCE AGREEMENTS (BEYOND 1 YEAR WARR
0.1	Mechanical HVAC Systems, Pumps, etc.
0.2	Fire Alarm Monitoring
0.3	
0.4	

## **Matrix**

### Dated November 6, 2012

#### **Description / Comments**

All land related fees and expenses

Foundation, Building Permit

All site servicing related fees from

Any business licence or licence fees not otherwise stated below

Overall project legal fees

Overall project administration and accounting

Property taxes

Building, Health, Fire, Alcohol, etc.

All temporary gas, hydro and water

All zoning, COA, NVCA Approvals and related fees

Separate from BLT insurance for the whole of the property and areas outside of BLT work site

Interest on any construction related loans

Land transfer related costs, new address related fees

All drawings, documents, inspections and certifications to execute the architectural design under the OBC		
All drawings, documents, inspections and certifications to execute the civil design under the OBC		
All drawings, documents, inspections and certifications to execute the legal plan of survey		
All drawings, documents, inspections and certifications to execute the landscape design under the OBC		
All drawings, documents, inspections and certifications to execute the structural design under the OBC		
All drawings, documents, inspections and certifications to execute the structural design under the OBC		
All drawings, documents, inspections and certifications to execute the mechanical design under the OBC		
All drawings, documents, inspections and certifications to execute the electrical design under the OBC		
n/a		
Compaction, concrete design, concrete slump, rebar, steel, mortar, etc.		
Pinning of 4 corners of building for legal purposes, final confirmation		
Borehole tests for whole of site including parking area		
Fire Safety plan to be posted		
Locating and marking out all existing hydro, gas, phone, cable, sewer, water, etc.		
Provide existing condition survey and test for hazardous substances		
3rd party review of existing pool conditions, slab condtions, etc.		
Add Touch Pads, waveless gutters, diving platforms to existing pool. BLT to tender and report to T.O.C. for approval to p		

Provide a site safety consultant to write site policy and periodic inspections

All office related administrative and overhead costs		
Dedicated BLT liaison(s) to administer meetings, contracts, progress, budget, schedule, paperwork		
Dedicated BLT liaison(s) to administer trades, quality, safety, schedule, changes, etc.		
Dedicated BLT liaison(s) to maintain the site order, assist in all areas of construction		
6' high x 10' long metal fast fence hoarding with swing gate at entrance		
Rolled orange mesh or low plywood hoarding for localized safety control		
BLT to tap off existing nearly service for tools, lighting, etc.		
BLT to tap off new or existing nearby power for winter heating purposes		
For use by all trades on site and as required by MOL		
Drills, bits, Cangos, lumber, tarps, marking paint, etc.		
For use by all trades and divided equally among trade contracts based on use		
Hardhat sign safety board manual etc		

Hardnat sign, safety board, manual, etc.

Larger or heavy duty equipment required to complete the task, rented locally where possible

Sectional scaffolding required for use for all trades.

For correspondence with site staff and head office

Daily maintenance of the site for safety and pride

Localized protection of floors, walls, finished areas or from the elements where required

Large area protection of footings, trenches, slabs, walls requiring protection from the elements

Large area gas heating of footings, trenches, slabs, walls requiring protection from the elements

Pumping of water from any areas of the work

\$5M liability insurance with TOC as additional named party

Local accommodations for all BLT site workers during the course of construction

BLT staff travel to the site from the office, additional travel where required

Non-recoverable air travel for meetings with Sprung, or as required for the project.

Out of town accommodations for meetings with Sprung, or as required for the project.

All staff cellular related fees over the duration of the project.

All non-recoverable parking fees related to the project. Recoverable billed separately.

All non-recoverable blueprint, copies, etc. related to the project. Recoverable billed separately.

All other non-recoverable misc. job related expenses not otherwise stated above

Remove and dispose of all trees, shrubs, bushes on site

Remove ans dispose of existing structure to 16" bleow existing slab on grade. East portion to remain.

Existing line runs through south of building

Existing line runs through south of building

Upgrade transformer at pole and run new under ground service to building

From pad mounted transformer bring to desired location at building to switchgear at side of building.

Bring Fibre to desired termination location in building

Bring Bell from overhead to new dict bank at desired termination location in building

Bring gas to desired location c/w meter.

Provide storm water management for site

Provide all excavation and compaction work OUTSIDE of the building footprint

Run service to lighting from feed off panel provided by BLT

Provide all perimeter and parking concrete curbs, sidewalks, ramps etc outside of building

Provide asphalt to all exterior surfaces where noted on Landscape drawings

Provide line painting to all parking stalls, etc. where noted on Landscape drawings

Any lighting attached to the building and above all exits.

Supply and install any new trees where indicated by Landscape drawings

Supply and install all topsoil, sod, bushes, shrubs, gardens where indicated on Landscape drawings

Supply and install irrigation system. Connection at building rough-in provided by BLT at building.

Street clean, wash, hose, sweep all exterior surfaces and streets during construction and at opening

Remove and stock pile organics to load bearing native soil.

6" below slab where indicated on drawings

Continuous concrete trench footing

Formed ring beam at perimeter and inner at ice rink

Epoxy rebar formed and poured concrete pit as alternate price check only

Housekeeping pads, raised pads required for seating, equipment, etc.

90' wide x 210' long insulated structure approx 13.5m high

3 single door hooded exit doors at rink, 1 hooded single exit door at stairs

1 single exit doors at south end, 1 double sliding, double door hooded vestibule at main entry

(5) 14' wide x 10' tall side roll-up glass panel doors

Supply and install 8' high vandal resistant alucabond exterior panels

Installation and final certification of all installed components

Painted concrete block partitions c/w load bearing solid filled where supporting service mezz

Steel beams and column frame to support service mezzanine where required. Steel lintels above doors

As required or specified on drawing set

8" or greater structural hollow core slab panels c/w joint caulking at mezzanine level
Clear anodized aluminum closed riser and tread system c/w aluminum seating
250 seats, side protection railings
Hollow metal windows and GWG (if req'd)between Multi-Purpose Room and Lobby
Hollow metal windows and GWG (if req'd)between Office and Lobby
Hollow metal windows and GWG (if req'd)between Viewing Area and Lobby
Aluminum frame windows and tempered glass between Viewing Area and Pool Deck
Aluminum frame windows and tempered glass between Lifeguard Area and Pool Deck
(2) pair of single aluminum door, frames and glass with panic hardware leading to pool deck
(1) single door from Mechanical Room and frames c/w heavy duty hardware, fire rating where required, paint finish
(1) set double doors and frame from Storage Room c/w heavy duty hardware, fire rating where required, paint finish
(8) single doors and frames c/w heavy duty hardware, fire rating where required, paint finish
Any doors with thumbturn locks or lock sets require master keying
All windows, doors, slabs, build-in counters, grilles, etc. requiring a clean finished product
Heavy duty paint on all surfaces where applicable to receive paint
Lower masonry walls to receive different colour for maintenance purposes
Existing Pool Tank Re-painting or refinishing of any kind
None Required
Vanities
Front Counter at Office
Misc. Wood Blocking where required.
Where rated ceilings required, public washroom ceilings, bulkheads are required or as indicated on the plans
All alreas below shylight, Natatorium, Office, Lobby, Viewing Area and Multi-Purose Room
12" x 24" x 3/8" porcelain tile floors and base at main entrance, public hallway to change rooms
12" x 24" x 3/8" porcelain tile floors and base at Public Washrooms
2" x 2" ceramic tiles at all shower and change room floors
Johnsonite 4" high rubber base at all interior spaces where rubber and VCT floor used. Not required in arena space
12" x 12" VCT in all offices, Janitor, Stg, and Multi-purpose room
All Mechanical, Electrical, Service Spaces, and area between boards and Resurfacing room where noted
All pool decking inside Natatorium
Install trowelled on rubberized deck membrance ove existing and new concrete deck finishes
Changing stall with curtain
Dressing benches
Floor mounted metal toilet partitions and wall mntd. urinal dividers in all washrooms and change rooms
Plastic laminate vanity tops in all washrooms and change rooms
Washroom and Change Room mirrors 6mm tempered and polished and hung in wall clips above vanity
Bobric or Frost or equal s.s. double toilet tissue holder or roll system at each w.c
Bobric or Frost or equal is.s. sanitary napkin disposal at each w.c. in women's
Coat hook (s.s) at back of all b.f. partition doors
(2) S.s. grab bars at all barrier free stalls as required by OBC.
(1) Electric Hand Dryer at each public Washroom
(1) Surface mounted s.s., paper towel dispenser in each Public Washroom
(1) Wall Mounted Baby Change Table in each Public Washroom
Automatic sanitizer system
Steel Bollards at roll-up doors only

Re-use and re-connect existing boiler for pool heating purposes.

Located in mechanical room

Install T.O.C. supplied new sand filter system

Install new T.O.C. supplied pool pump

Packaged gas fired heating / Cooling units as required in design

Washroom and Changeroom Exhaust

Natatorium exhaust system

40T Dryatron (or equal) dehumidification system to provide 6 air changes per hour. Approx 20' x 8' x 8' high in mech. Mez Pad mounted condensor unit directly outide of south mechanical room area.

Full wet system. To be located in existing mechancial room

In locations as determined by the Architect / Engineer in compliance with OBC (where required and if required)

Gas fired boiler / hot water tank for domestic hot water. All cold water plumbing, drainages, etc

GF: 7 Flush Valve floor mounted toilets - fixed count

GF: 2 Flush Valve wall mounted urinals - fixed count

GF: 11 drop in vanity sinks c/w chrome p-trap

GF: 11 sets of level handle tall neck faucets at vanity

GF: 5 Change room showers, drains, controls, etc. (1) multi level barrier free s.s.. fountain at Public Area

(1) multi level barrier nee s.s. Touritain at Public Area

All wet spaces including all mechanical spaces, change rooms, washrooms, janitor, etc.

Hub Drains for condensates, mechanical equiment and concession equipment

Drain commections to Therapy Pool Contractor work

Approx 30' x 24' x 48" deep c/w ramp, bench, jets, pumps, separate filter, drains, etc. Operate at 92 - 94 deg F

Provide back flow preventors throughout as required by OBC as directed in contract documents

Connection to incoming service provided by T.O.C. at building. Location TBD

Provide separate service for controller Incoming Electrical to enter into this room for mechanical services and split off to other electrical room for public spaces Power supply to (2) ice rink dehumidifiers mounted at approx 15' a.f.f.. T5 fluorescent fixtures c/w protective waterproof, shatterproof casing for OBC pool level light levels Switches controlled at main office - location TBD T5 Fluorescent lighting as specified by engineer Shatterproof lens, 48" long T5 fluorescents to be on auto sensor control Serviceable up-lighting to wash vertically up walls Shatterproof lens, 48" long T5 Fluorescents to be on auto sensor control Provide all electrical service as required in design or by Mechanical Trade Provide basic sound system and control for skating and hockey use Provide all necessary service and wining for scoreboard, controller, etc. Provide power to supplemental baseboard heating in rooms requiring ventilation only and if required under OBC Provide panel rough-in for any exterior lights, power, etc as required under Landscape design Provide standard 110V outlets in all rooms as per Electrical Engineer, OBC and where specifically directed prior to tender Provide specialty 220V outlets in all rooms as per Electrical Engineer, OBC and where specifically directed prior to tende Provide vending machine outlets as per Electrical Engineer where specifically directed prior to tender Provide all power for monitors, A/V equipment where required Provide all power for all automatic roll-up pool door systems and front entrance sliding doors Provide all required emergency lighting as required under OBC Provide all fire alarm, annunciator panel and testing verification as required under OBC Provide all required heat and smoke detectors as required under OBC Rough-in Conduit for T.O.C supplied security system

n/a
Supply and installation of lighting or sound system controllers
Supply and install any countertop equipment and furniture
All phones, switches and phone system related equipment supply and installation
Any building automation equipment such as Johnson controls or similar
Change Room Directory Monitor(s) software, hardware
Supply and install recyling, trash bins, etc both interior and exterior
Supply and install time clocks in public areas
Cash registers, event booking software, etc
All comuter monitors, hardware, software, keyboards, mouse, UPS, etc
All interior modular office partiton, whips, lighting, wiring of, work relating to, etc.
All office furniture
General time clock for pool area mounted above lifeguard station wall
Computerized score board controller either wireless or hardwired to score board

All room signage, directional signage, and general purpose signage not related to advertising		
All life safety signage relating to the operation of the building as required by Fire Department, OBC, TSSA		
Board signage, sponsor signage, exterior signage, electronic signage of any kind		
Exterior parking lot signage, pylon signage, electronic building signage of any kind		
West Building façade artwork or applied signage - Artwork required by TOC.		
Public art, framed art, etc		
Supply and installation of any flags, banners, flag poles, etc/		

Spinal board, rings, reach pole etc New Lane Ropes, dividers, etc. Hand paddels, floation devices, exercise equipment, storage racks At North East Corner - to store all pool equiment, etc.

### ANTY)

10-Nov-12

DI T Hama	TOC Items	
DLI items	100 items	Awarded Trade

-	Ву ТОС	
-	By TOC	
-	By TOC	
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-	Ву ТОС	
-	Ву ТОС	
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we	By TOC	
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	

Included	-	Szeto Architect
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	Tatham
Included	-	K.O. Engineering
Included	-	Sprung Structures
Included	-	B.K. Consulting
Included	-	B.K. Consulting
Included	-	
Included	-	Terraprobe
Included	-	
Included	-	Terraprobe
Included	-	
Included	-	Call-One
Included	-	Pinchin Environmental
-	Ву ТОС	
Included	-	The Pool People
Included	<b>We</b>	WPI Consultants

Included	-	BLT Construction
Included	-	BLT Construction
-	Ву ТОС	BLT Construction
-	Ву ТОС	BLT Construction
Included	-	BLT Construction

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Included	-	BLT Construction

-	Ву ТОС	
Included	-	North 7 Demolition
-	Ву ТОС	
-	By TOC	
-	Ву ТОС	
Included	-	
-	Ву ТОС	
-	Ву ТОС	
-	By TOC	
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Included	-	
Included	-	
Included	-	Sprung Structures
-	Ву ТОС	
Included		BLT Construction
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Included	T.O.C.	
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N.I.C.	Ву ТОС	
Included	-	
Included	Ву ТОС	

N.I.C.	By TOC
N.I.C.	By TOC

Included	-	
Included	-	
N.I.C.	By TOC	
N.I.C.	By TOC	
Included	-	Sprung Structures
N.I.C.	By TOC	
N.I.C.	By TOC	
Included	-	
	•	
-	BY T.O.C.	
	DVTOO	

-	BY T.O.C.	
-	BY T.O.C.	
-	BY T.O.C.	

-	BY T.O.C.	
-	BY T.O.C.	
-	BY T.O.C.	
-	BY T.O.C.	