



ESTIMATE SUMMARY

Iowa Arena - Coralville, IA

Issued: February 25, 2016

Issued By: RL

CONSTRUCTION BUDGET (Arena Only) From Knutson Construction Estimate 2.3.16

Costs based on 4,216 seat arena after Stafford Sports plan suggestions

Arena	Cost/SF	Area (SF)	
Building Construction Cost	\$288.27	149,879	\$43,204,892
Sitework		5.5 acre	\$1,701,910
		SUBTOTAL	\$44,906,802

(Deduct) Value Engineering List

1. Shorten building 16' total		(\$995,836)
2. Delete aluminum fins on large entry windows		(\$266,238)
3. Exterior façade Changes		(\$538,854)
4. No press box		(\$329,405)
5. Painted metal railings at suites		(\$80,596)
6. No special ribbon board structure		(\$212,595)
7. Delete gypsum clouds in lobby		(\$70,393)
8. Delete unnecessary fireproofing		(\$323,067)
9. Delete acoustic wall panel allowance		(\$51,826)
10. Simplify roof edge screen and parapet		(\$260,877)
11. Lower Roof 8'	(JLG estimate)	(\$500,000)
12. Adjust west elevation for less street slope	(JLG estimate)	(\$100,000)
		VE SUBTOTAL (\$3,729,687)

	CONSTR. TOTAL	\$44,906,802
	VE SUBTOTAL	(\$3,729,687)
	ARENA COST	\$41,177,115

ADD: Site demolition \$389,525

	Cost/SF	Area (SF)	
TOTAL ARENA CONSTRUCTION BUDGET	\$282.92	141,368	\$41,566,640

Owner: City of Coralville
 Project: Iowa River Landing Arena (Price Update)
 Location: Coralville, Iowa
 Architect: JLG
 Seats: 4,216

Estimate #: 15 86
 Due Date: 2/19/2016 Revised



PROJECT CONSTRUCTION SUMMARY (Value Engineering Update)

Ice Arena Cost Recap	Quantity	Final Schematic Cost	Unit Cost	Variance	Last Estimate
New (4,216) Seat Ice Arena	141,368 GSF	\$39,995,901	\$282.92	\$39,995,901	
Sitework	5.50 ACRE	\$2,091,435		\$2,091,435	
Total Arena Construction Cost	141,368 GSF	\$42,087,336	\$297.71	\$42,087,336	

Clarifications

- Practice facility is not include in any of the above pricing. This is future work.
- Retail / Museum Shell pricing is an allowance based on SF cost. Knutson would be happy to provide a detailed estimate on this after meeting with the team to understand all their thoughts and assumptions.
- Demising Wall between the Arena and Human Performance space is included in the Building - B estimate.
- Demising Wall between the Arena and Retail/ Museum Space is included in the Building - C estimate.
- We have not included any cost for a storm water retention system that may need to be installed as required by the city for these projects. Our thoughts are the city could save cost on this project and various other projects around this site by installing a single system themselves to cover them all. Also due to this being such a tight site it would be tough to find a location for this system directly on this project.
- We have not included the site retaining wall required at the north and west side of this project. Our understanding is these cost will be part of the street project bid out separately from this project. This retaining wall however needs to be designed to support the Human Performance and Retail and Museum building and act as the foundation. Approximate cost for these retaining walls will be around \$3,000,000.
- We have included an allowance for two wall score board units for a total of \$300,000 per JLG. We have not included the large score board assembly and infrastructure shown in the REVIT model.

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See below for Knutson's value engineering pathway to the \$42.191 million dollar budget. All items below have been incorporated into the budget above. Knutson Construction has also provided you exterior images to reflect this pricing to understand the changes from JLG's model. None of the changes should affect the program.

Value Engineering (Included in Above Estimate)	Cost
1 Reduce the building length by 16'-0" that was added for circulation space based on (6,200) seat arena.	\$995,836
2 Delete aluminum fins at exterior of the Entrance Façades.	\$266,238
3 Exterior Façade Changes	\$538,854
a. Lower front entrance area roof and façade to match the Concourse Level	In item #3
b. Delete all requirements for Screen / Wing Walls at the Museum Entrance, Low Lobby and Lower Level Receiving Area.	In item #3
c. At the main Lobby Entrance reduce the amount of entry doors by (6).	In item #3
d. At the east side of the museum entrance delete all CW and screen wall assemblies and provide window wall with steel supports every 12'-0".	In item #3
e. At the three stair towers revise roofs to match the roof level of the concourse.	In item #3
f. At the stair towers provide precast with brick tile in lieu of brick and block. Interior walls of shaft to be precast in lieu of masonry.	In item #3
4 Delete Press Box area.	\$329,405
5 Provide painted metal railings at Suite seating areas in lieu of glass.	\$80,596
6 Delete ribbon board bulkhead and infrastructure along with gypsum ceiling over seating area.	\$212,195
7 Delete all gypsum clouds in the main North Entrance Lobby.	\$70,393
8 Delete sprayed fireproofing. Provide gypsum wrap at all columns in the Concourse level.	\$323,067
9 Delete allowance we carried for acoustical wall panels.	\$51,826
10 Delete Roof Screen / Parapets at Arena Bowl Roof	\$260,877

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Alternates (Not included in above Base Price)		Quantity	Accepted	Pending	Rejected
1	Additional cost to provide the Ribbon Message Board Assembly. Bulkhead and gypsum ceiling at Suites in Base Budget.	1 LS		\$1,102,364	
2	Finish upgrade alternate: 1) Concourse floors stained concrete in lieu of sealed. 2) Tile floors at Concourse Bathrooms in lieu of sealed concrete. 3) Burnished masonry wainscot at 50% of Concourse walls. 4) Tile at Lobby in lieu of sealed concrete.	1 LS		\$388,241	
3	Additional cost to provide a multi-purpose arena that can also handle concert venues. Cost Revisions: 1) Added acoustical lapendaries. 2) Show power. 3) Blackout curtains to concourse. 4) Half house curtain.	1 LS		\$1,087,124	
4	Additional cost to increase Pre-Engineered building steel infrastructure for 70,000 LBS of rigging. (Cannot price at this time.)	1 LS		Cost TBD	
5	Deduct cost to lower the Concourse and Ice Arena roof by another 8'-0". More information required to price.	1 LS		Cost TBD	

DIVISION RECAP PER ESTIMATE

Owner: City of Coralville
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		Total Cost	Cost / GSF	New (4,216) Seat Ice Arena	Sitework
Gross Square Footage		141,368		141,368	70
Division	SUMMARY ITEM DESCRIPTION				
01	SPECIAL CONDITIONS	\$ 944,597	\$ 6.68	\$ 875,612	\$ 68,985
02	EXISTING CONDITIONS - DEMOLITION	\$ 387,303	\$ 2.74	\$ -	\$ 387,303
03	CONCRETE	\$ 3,558,542	\$ 25.17	\$ 3,408,542	\$ 150,000
04	MASONRY	\$ 1,070,818	\$ 7.57	\$ 1,049,218	\$ 21,600
05	METALS	\$ 4,238,457	\$ 29.98	\$ 4,210,957	\$ 27,500
06	WOOD, PLASTICS & COMPOSITES	\$ 353,759	\$ 2.50	\$ 353,759	\$ -
07	THERMAL/MOISTURE PROTECTION	\$ 1,599,267	\$ 11.31	\$ 1,579,054	\$ 20,213
08	OPENINGS	\$ 1,394,936	\$ 9.87	\$ 1,394,936	\$ -
09	FINISHES	\$ 2,537,957	\$ 17.95	\$ 2,537,957	\$ -
10	SPECIALITIES	\$ 294,076	\$ 2.08	\$ 287,146	\$ 6,930
11	EQUIPMENT	\$ 626,392	\$ 4.43	\$ 626,392	\$ -
12	FURNISHINGS	\$ 1,250,355	\$ 8.84	\$ 1,230,355	\$ 20,000
13	SPECIAL CONSTRUCTION	\$ 2,593,362	\$ 18.34	\$ 2,593,362	\$ -
14	CONVEYING EQUIPMENT	\$ 63,000	\$ 0.45	\$ 63,000	\$ -
21	FIRE SUPPRESSION	\$ 470,131	\$ 3.33	\$ 470,131	\$ -
22	PLUMBING	\$ 2,682,318	\$ 18.97	\$ 2,682,318	\$ -
23	HVAC	\$ 4,814,490	\$ 34.06	\$ 4,814,490	\$ -
25	INTEGRATED AUTOMATION	\$ 353,420	\$ 2.50	\$ 353,420	\$ -
26	ELECTRICAL	\$ 4,417,543	\$ 31.25	\$ 4,192,543	\$ 225,000
27	COMMUNICATIONS	\$ 622,031	\$ 4.40	\$ 622,031	\$ -
28	ELECTRONIC SAFETY SECURITY	\$ 44,986	\$ 0.32	\$ 44,986	\$ -
31	EARTHWORK	\$ 1,647,460	\$ 11.65	\$ 1,431,148	\$ 216,312
32	EXTERIOR IMPROVEMENTS	\$ 479,180	\$ 3.39	\$ -	\$ 479,180
33	UTILITIES	\$ 197,828	\$ 1.40	\$ -	\$ 197,828
SUBCONTRACTOR TRADE SUBTOTAL		\$ 36,642,211	\$ 259.20	\$ 34,821,360	\$ 1,820,851
	CMR - CONSTRUCTION CONTINGENCY	\$ 1,099,266	\$ 7.78	\$ 1,044,641	\$ 54,626
	CMR - ESTIMATING CONTINGENCY	\$ 1,132,244	\$ 8.01	\$ 1,075,980	\$ 56,264
	OWNER DESIGN CONTINGENCY	\$ -	\$ -	\$ -	\$ -
TRADE AND CONTINGENCY SUBTOTAL		\$ 38,873,722	\$ 274.98	\$ 36,941,980	\$ 1,931,741
	GENERAL CONDITIONS	\$ 1,593,823	\$ 11.27	\$ 1,514,621	\$ 79,201
	GENERAL LIABILITY INSURANCE	\$ 291,366	\$ 2.06	\$ 276,888	\$ 14,479
	BUILDERS RISK INSURANCE	\$ 40,759	\$ 0.29	\$ 38,733	\$ 2,025
	PERFORMANCE BOND	\$ 261,146	\$ 1.85	\$ 248,169	\$ 12,977
	PROJECT FEE	\$ 1,026,520	\$ 7.26	\$ 975,510	\$ 51,011
TOTALS		\$ 42,087,336	\$ 297.71	\$ 39,995,901	\$ 2,091,435

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Gross Square Footage		Total Cost 141,368	Cost / GSF	New (4,216) Seat Ice Arena 141,368	Sitework 70
SECTION	DESCRIPTION				
01 51 00	Winter Conditions (Allowance)	\$ 177,750	\$ 1.26	\$ 177,750	\$ -
01 54 00	Hoists and Cranes	\$ 610,214	\$ 4.32	\$ 610,214	\$ -
01 55 00	Temporary Access Roads, Staging & Parking	\$ 31,465	\$ 0.22	\$ -	\$ 31,465
01 56 26	Temporary Fencing	\$ 18,958	\$ 0.13	\$ -	\$ 18,958
01 71 23	Surveying	\$ 50,370	\$ 0.36	\$ 31,808	\$ 18,563
01 74 19	Construction Waste Management & Disposal	\$ 49,479	\$ 0.35	\$ 49,479	\$ -
01 74 23	Final Cleaning	\$ 38,169	\$ 0.27	\$ 38,169	\$ -
03 30 00	Cast-in-Place Concrete	\$ 1,614,410	\$ 11.42	\$ 1,442,895	\$ 171,515
03 41 00	Precast Structural Concrete	\$ 868,848	\$ 6.15	\$ 868,848	\$ -
03 45 00	Precast Architectural Concrete	\$ 893,881	\$ 6.32	\$ 893,881	\$ -
04 20 00	Unit Masonry	\$ 1,070,818	\$ 7.57	\$ 1,049,218	\$ 21,600
05 10 00	Structural Metal Framing	\$ 2,283,660	\$ 16.15	\$ 2,283,660	\$ -
05 50 00	Metal Fabrications	\$ 510,334	\$ 3.61	\$ 479,909	\$ 30,425
06 10 00	Rough Carpentry	\$ 125,409	\$ 0.89	\$ 125,409	\$ -
06 20 00	Finish Carpentry	\$ 228,351	\$ 1.62	\$ 228,351	\$ -
07 10 00	Dampproofing and Waterproofing	\$ 11,698	\$ 0.08	\$ 11,698	\$ -
07 21 00	Thermal Insulation	\$ 72,050	\$ 0.51	\$ 72,050	\$ -
07 25 00	Weather Barriers	\$ 71,297	\$ 0.50	\$ 71,297	\$ -
07 40 00	Roofing and Siding Metal Panels	\$ 781,028	\$ 5.52	\$ 781,028	\$ -
07 50 00	Membrane Roofing	\$ 483,284	\$ 3.42	\$ 483,284	\$ -
07 60 00	Flashing and Sheetmetal	\$ 32,202	\$ 0.23	\$ 32,202	\$ -
07 81 00	Spray Applied Fireproofing	\$ 60,368	\$ 0.43	\$ 60,368	\$ -
07 84 00	Firestopping	\$ 12,723	\$ 0.09	\$ 12,723	\$ -
07 90 00	Sealants	\$ 131,644	\$ 0.93	\$ 111,430	\$ 20,213
08 11 00	Metal Doors and Frames	\$ 158,751	\$ 1.12	\$ 158,751	\$ -
08 31 00	Access Doors	\$ 16,200	\$ 0.11	\$ 16,200	\$ -
08 33 00	Coiling Doors and Grilles	\$ 124,608	\$ 0.88	\$ 124,608	\$ -
08 41 00	Aluminum Entrance & Storefronts	\$ 736,859	\$ 5.21	\$ 736,859	\$ -
08 70 00	Hardware	\$ 171,675	\$ 1.21	\$ 171,675	\$ -
08 80 00	Glazing	\$ 186,844	\$ 1.32	\$ 186,844	\$ -
08 90 00	Louvers and Vents	\$ 16,065	\$ 0.11	\$ 16,065	\$ -
09 20 00	Plaster and Gypsum Board Assemblies	\$ 1,464,643	\$ 10.36	\$ 1,464,643	\$ -
09 30 00	Tiling	\$ 171,519	\$ 1.21	\$ 171,519	\$ -
09 54 00	Specialty Ceilings	\$ 43,960	\$ 0.31	\$ 43,960	\$ -
09 65 00	Resilient Flooring	\$ 73,229	\$ 0.52	\$ 73,229	\$ -
09 65 10	Skate Flooring	\$ 122,844	\$ 0.87	\$ 122,844	\$ -
09 77 00	FRP Panels	\$ 27,549	\$ 0.19	\$ 27,549	\$ -
09 90 00	Painting and Coatings	\$ 369,126	\$ 2.61	\$ 369,126	\$ -
09 99 00	Home Locker Complex Fit-Out	\$ 70,600	\$ 0.50	\$ 70,600	\$ -

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09 99 03	Pantry Fit-Out	\$ 159,750	\$ 1.13	\$ 159,750	\$ -
10 11 00	Visual Display Surfaces	\$ 736	\$ 0.01	\$ 736	\$ -
10 14 00	Signage	\$ 15,898	\$ 0.11	\$ 15,268	\$ 630
10 21 00	Compartments and Cubicles	\$ 87,120	\$ 0.62	\$ 87,120	\$ -
10 26 00	Wall and Door Protection	\$ 8,748	\$ 0.06	\$ 8,748	\$ -
10 28 00	Toilet, Bath and Laundry Accessories	\$ 25,200	\$ 0.18	\$ 25,200	\$ -
10 44 00	Fire Protection Specialties	\$ 7,634	\$ 0.05	\$ 7,634	\$ -
10 51 00	Lockers	\$ 142,440	\$ 1.01	\$ 142,440	\$ -
10 75 00	Flagpoles	\$ 6,300	\$ 0.04	\$ -	\$ 6,300
11 13 00	Loading Dock Equipment	\$ 11,160	\$ 0.08	\$ 11,160	\$ -
11 66 23	Ice Arena Equipment	\$ 251,878	\$ 1.78	\$ 251,878	\$ -
11 66 43	Scoreboard Allowance	\$ 300,000	\$ 2.12	\$ 300,000	\$ -
11 80 00	Fall Protection	\$ 25,000	\$ 0.18	\$ 25,000	\$ -
12 35 53	Concessions Casework / Counters	\$ 200,070	\$ 1.42	\$ 200,070	\$ -
12 48 13	Entrance Mats	\$ 28,125	\$ 0.20	\$ 28,125	\$ -
12 50 00	Site Furniture & Accessories	\$ 20,000	\$ 0.14	\$ -	\$ 20,000
12 60 00	Audience Seating	\$ 725,680	\$ 5.13	\$ 725,680	\$ -
12 66 00	Telescoping Seating	\$ 276,480	\$ 1.96	\$ 276,480	\$ -
13 31 00	Pre-Engineered Metal Building	\$ 2,490,750	\$ 17.62	\$ 2,490,750	\$ -
13 34 19	Ice Coolant and Infrastructure System	\$ 1,756,250	\$ 12.42	\$ 1,756,250	\$ -
14 20 00	Elevators	\$ 63,000	\$ 0.45	\$ 63,000	\$ -
21 00 00	Fire Suppression	\$ 470,131	\$ 3.33	\$ 470,131	\$ -
22 00 00	Plumbing	\$ 2,682,318	\$ 18.97	\$ 2,682,318	\$ -
23 00 00	HVAC	\$ 4,674,070	\$ 33.06	\$ 4,674,070	\$ -
25 00 00	Integrated Automation	\$ 353,420	\$ 2.50	\$ 353,420	\$ -
26 00 00	Electrical	\$ 4,482,963	\$ 31.71	\$ 4,332,963	\$ 150,000
27 00 00	Communication	\$ 622,031	\$ 4.40	\$ 622,031	\$ -
28 00 00	Electronic Safety and Security	\$ 119,986	\$ 0.85	\$ 44,986	\$ 75,000
31 00 00	Earthwork	\$ 1,395,722	\$ 9.87	\$ 781,967	\$ 613,755
31 60 00	Special Foundations	\$ 614,041	\$ 4.34	\$ 614,041	\$ -
32 12 00	Flexible Asphalt Paving	\$ 33,750	\$ 0.24	\$ -	\$ 33,750
32 13 00	Rigid Concrete Paving	\$ 319,976	\$ 2.26	\$ -	\$ 319,976
32 16 00	Curbs and Gutters	\$ 16,290	\$ 0.12	\$ -	\$ 16,290
32 17 23	Pavement Markings	\$ 189	\$ 0.00	\$ -	\$ 189
32 30 00	Site Improvements	\$ 72,500	\$ 0.51	\$ -	\$ 72,500
32 80 00	Irrigation	\$ 5,320	\$ 0.04	\$ -	\$ 5,320
32 90 00	Plantings	\$ 30,325	\$ 0.21	\$ -	\$ 30,325
33 00 00	Utilities	\$ 164,078	\$ 1.16	\$ -	\$ 164,078

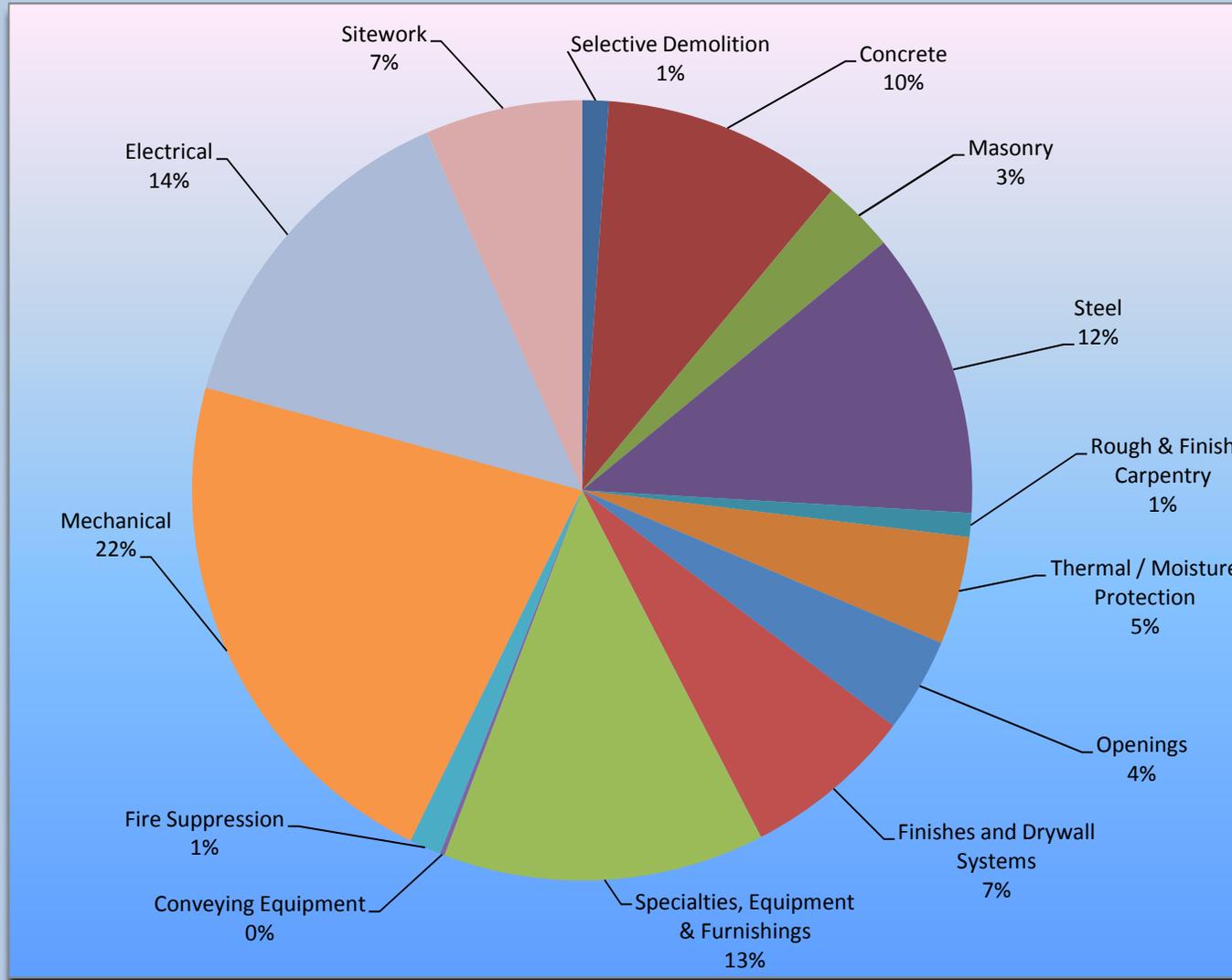
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Arena Division Summary Pie Chart City of Coralville



City of Coralville
Iowa River Landing Arena (Price Update)
Coralville, Iowa
JLG
2/19/2016 Re



NON- CONSTRUCTION COST MATRIX

(CFI) = Contractor Furnished Contractor Installed

(OFCI) = Owner Furnished Contractor Installed

(OFOI) = Owner Furnished Owner Installed

DESCRIPTION	CFI	OFCI	OFOI	NIC	ALLOWANCE	Owner Cost	NOTES
<u>PLANING DESIGN & DEVELOPMENT COST</u>					0.00%		
Owner Project Management			•		0.00%		
P/R Related Allocations			•				
Owner / Design Team Travel Expenses			•				
Pre-Design Study			•				
Topographic Surveys (Existing Conditions)			•				
Testing Services			•		0.00%		
Street / Property Bonds			•				If Required
Professional Consultant and Design Fees			•				
Architect			•				
Structural Engineer			•				
Mechanical Engineer			•				
Electrical Engineer			•				
Civil Engineer			•				
Interior Design Consultants			•				
Landscape Design Consultants			•				
Security Consultant			•				
Acoustic Consultants			•				
Consultant Reimbursables			•				
Owner / Design Team Construction Administration			•				
Drawing Reproduction			•				
Photos			•				
Land Cost			•				
Building Commissioning (3rd Party)			•				
Ecology / Environmental Studies			•				If Required
Environmental Remediation			•				If Required
Federal Wetlands Permit			•				If Required
Misc Development Permits			•				If Required
<u>Misc. Cost</u>							
Keys and Keying			•				
Temporary Power Bills	•						
Temporary Water Bills	•						
Moving Costs				•			
Owners Design Contingency			•		0.00%		
Temporary Heat Building during Construction	•						
Escalators				•			
<u>Site Costs</u>							
Street Improvements			•				If Required
Environmental Remediation Site			•				If Required
Hazardous Material Abatement			•				If Required
Utility Relocation Cost			•				
Transformer			•				By Utility Company
Power from Transformer to Building	•						
Gas into Building			•				By Utility Company
Site Furniture	•						\$20,000 Allowance

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DESCRIPTION	CFCI	OFCI	OFOI	NIC	ALLOWANCE	Owner Cost	NOTES
Trash Enclosure	•						\$22,500 Allowance
MEP Enclosure	•						\$50,000 Allowance
Street Traffic Lights			•				If Required
<u>FINANCIAL EXPENSES</u>							
Financial Consultants			•				
Legal Fees			•				
Builders Risk Insurance	•						
General Liability Insurance	•						
Performance Bond	•						
<u>FEES, PERMITS & TAXES</u>							
Sewer and Water Tap Fees			•				
Gas Tap Fees			•				By Utility Company
Building Permits			•				
Plan Check Fee			•				
Town / City / State Fees			•				If Required
Park and Recreation Fees			•				If Required
Property Taxes			•				If Required
Zoning Fees			•				If Required
<u>FURNITURE FIXTURES & EQUIPMENT</u>							
					0.00%		
Office Furniture Planning, Procurement, and Installation			•				
Electrical J Boxes for System Furniture	•						
Final connections to Furniture Systems	•						
Residential Appliances			•				
Rough In for Residential Appliances	•						
Food Service Equipment (LL Pantry / Kitchen)			•				
Rough In for Food Service Equipment	•						
MEP Connections to Food Service Equipment	•						
Walk-in Refrigerator / Freezer Unit				•			Not Required
Rough In for Food Service Equipment				•			Not Required
MEP Connections to Food Service Equipment				•			Not Required
Concessions Equipment				•			We have casework
Rough In for Food Service Equipment	•						
MEP Connections to Food Service Equipment	•						
Soda / Beverage System			•				
Exhaust ventilator hoods w/ fire suppression system				•			Not Required
Vending Equipment			•				
Rough In for Vending Equipment	•						
Hydro-Therapy Tubs (2) Qty			•				
Computer Equipment			•				
Office Equipment			•				
Crowd Control Equipment			•				
Material Handling Equipment (Dollies and Pallet Jacks)			•				
Display Graphics			•				
Maintenance Services			•				
Janitorial Services			•				

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DESCRIPTION	CFCI	OFCI	OFOI	NIC	ALLOWANCE	Owner Cost	NOTES
Housekeeping Equipment			•				
Landscape Maintenance			•				
MEP Systems Service Contracts			•				
Permanent Waste Handling Service & Equipment			•				
Fixtures Furniture and Equipment							
Team Store Wall and Shelf Sales Systems			•				
Art & Decorative Items			•				
Interior Plants and planters			•				
Window Treatments Blinds				•			Not Required
Window Treatments Draperies				•			Not Required
Enclosed trash/recycling receptacles			•				
All Loose Furniture, Casework, Tables and Etc.			•				
Shelving			•				
Desk w/ integrated workspace			•				
Task chairs			•				
Large format printers/copiers			•				
Printers			•				
Bookshelves			•				
Tack and Marker Boards	•						
White Boards	•						
Photocopier			•				
Filing cabinets			•				
Cash register/cash drawers			•				
Coffee Equipment			•				
Entrance Mats	•						
Toilet Accessories	•						
Toilet Partitions	•						
Fire Extinguisher Cabinets	•						
Lockers	•						
Signage and Graphics							
Code Required Signage	•						
Building Directory			•				
Custom Graphics			•				
Room Identification Signage	•						
Way Finding Signage			•				
Plaque			•				
Lighted Exterior Signage "Iowa Arena"			•				
Exterior Digital Signage Boards			•				
Building Door Entry Signage and Graphics			•				
Arena Bowl Equipment							
Wall Hung Scoreboards	•						\$300,000 Allowance
Scoreboard Catwalk Systems				•			Not required
Ceiling Hung Scoreboard				•			Deleted
Ribbon Board				•			In Alternate #2
Removeable Stage and Side Stages			•				
Rigging Systems (Major / Minor Members)				•			Deleted
Light Rigging (Part of Catwalk Railings)				•			Deleted
House Reduction Curtains				•			Deleted
Catwalks & Access				•			Deleted
Follow Spots				•			Deleted

NON- CONSTRUCTION COST MATRIX

(CFCI) = Contractor Furnished Contractor Installed

(OFCI) = Owner Furnished Contractor Installed

(OFOI) = Owner Furnished Owner Installed

DESCRIPTION	CFCI	OFCI	OFOI	NIC	ALLOWANCE	Owner Cost	NOTES
Show Power (Concert Venues)				•			Deleted
Concert Lighting and Dimming				•			Deleted
Acoustic Lapendary Panels				•			Deleted
Blackout Curtains to Concourse				•			Deleted
Concert / Theatrical Lighting				•			Deleted
Concert Catwalk Systems				•			Not required
Sports Lighting and Dimming	•						
Portable and Scoring Tables			•				
Ice Resurfacers			•				
Rubber Mats			•				
Basketball Court and Equipment			•				
Volleyball Court and Equipment			•				
Sound and Light Stage and Booth			•				
<u>LOW VOLTAGE SYSTEMS AND ROUGH-IN</u>					0.00%		
Telephone System			•				
Rough-in for Telephone System	•						
Wiring / Cable for Telephone System			•				
Audio / Visual Bowl System			•				
Rough-in	•						
Wiring / Cable			•				
Visual Equipment			•				
Rough-in	•						
Wiring / Cable			•				
Audio Equipment			•				
Conduits and Raceways for A/V Systems	•						
Wiring and Cabling for A/V Systems			•				
DAS Cellular			•				
Paging Systems			•				
Conduits and Raceways for Paging Systems	•						
Wiring and Cabling for Paging Systems			•				
Wireless Network System			•				
Broadcast Cabling				•			Not Required
Distributed TV System				•			Not Required
CCTV Systems			•				
Conduits and Raceways for Theater A/V Systems	•						
Wiring and Cabling for Theater A/V Systems			•				
Access Control System			•				
<u>TOTAL NON-CONSTRUCTION COST</u>						\$0	

Owner: City of Coralville
 Project: Iowa River Landing Arena (Price Update)
 Estimate: New (4,216) Seat Ice Arena
 Location: Coralville, Iowa
 Architect: JLG



Estimate #: 15 86
 Estimator: Vital and Kyle
 Due Date: 2/19/2016 Rev

141,368 GSF

DIVISION DESCRIPTION	%	COST / SF	TOTAL COST	VARIANCE	Last Estimate
DIVISION 01: SPECIAL CONDITIONS		6.19	\$875,612	\$0	\$875,612
DIVISION 02: EXISTING CONDITIONS - DEMOLITION		0.00	\$0	\$0	\$0
DIVISION 03: CONCRETE		24.11	\$3,408,542	\$0	\$3,408,542
DIVISION 04: MASONRY		7.42	\$1,049,218	\$0	\$1,049,218
DIVISION 05: METALS		29.79	\$4,210,957	\$0	\$4,210,957
DIVISION 06: WOOD, PLASTICS & COMPOSITES		2.50	\$353,759	\$0	\$353,759
DIVISION 07: THERMAL/MOISTURE PROTECTION		11.17	\$1,579,054	\$0	\$1,579,054
DIVISION 08: OPENINGS		9.87	\$1,394,936	\$0	\$1,394,936
DIVISION 09: FINISHES		17.95	\$2,537,957	\$0	\$2,537,957
DIVISION 10: SPECIALTIES		2.03	\$287,146	\$0	\$287,146
DIVISION 11: EQUIPMENT		4.43	\$626,392	\$0	\$626,392
DIVISION 12: FURNISHINGS		8.70	\$1,230,355	\$0	\$1,230,355
DIVISION 13: SPECIAL CONSTRUCTION		18.34	\$2,593,362	\$0	\$2,593,362
DIVISION 14: CONVEYING EQUIPMENT		0.45	\$63,000	\$0	\$63,000
DIVISION 21: FIRE SUPPRESSION		3.33	\$470,131	\$0	\$470,131
DIVISION 22: PLUMBING		18.97	\$2,682,318	\$0	\$2,682,318
DIVISION 23: HVAC		34.06	\$4,814,490	\$0	\$4,814,490
DIVISION 25: INTEGRATED AUTOMATION		2.50	\$353,420	\$0	\$353,420
DIVISION 26: ELECTRICAL		29.66	\$4,192,543	\$0	\$4,192,543
DIVISION 27: COMMUNICATIONS		4.40	\$622,031	\$0	\$622,031
DIVISION 28: ELECTRONIC SAFETY SECURITY		0.32	\$44,986	\$0	\$44,986
DIVISION 31: EARTHWORK		10.12	\$1,431,148	\$0	\$1,431,148
DIVISION 32: EXTERIOR IMPROVEMENTS		0.00	\$0	\$0	\$0
DIVISION 33: UTILITIES		0.00	\$0	\$0	\$0
SUBCONTRACTOR TRADE SUBTOTAL:			\$34,821,360	\$0	\$34,821,360
CMR - CONSTRUCTION CONTINGENCY	3.00%	7.39	\$1,044,641	\$0	\$1,044,641
CMR - ESTIMATING CONTINGENCY	3.00%	7.61	\$1,075,980	\$0	\$1,075,980
OWNER DESIGN CONTINGENCY	0.00%	0.00	\$0	\$0	\$0
TRADE & CONTINGENCY SUBTOTAL:			\$36,941,980	\$0	\$36,941,980
00 72 00 GENERAL CONDITIONS		10.71	\$1,514,621	\$0	\$1,514,621
GENERAL LIABILITY INSURANCE	0.72%	1.96	\$276,888	\$0	\$276,888
BUILDERS RISK INSURANCE	0.10%	0.27	\$38,733	\$0	\$38,733
PERFORMANCE BOND	0.64%	1.76	\$248,169	\$0	\$248,169
PROJECT FEE	2.50%	6.90	\$975,510	\$0	\$975,510
TOTAL		\$282.92	\$39,995,901	\$0	\$39,995,901

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 01: SPECIAL CONDITIONS						
01 51 00	Winter Conditions	LS	1	177,750.00	177,750	
01 74 23	Final Cleaning	GSF	141,368	0.27	38,169	
01 56 00	Temporary Partitions	SF	0	4.95	0	Not Required
01 74 19	Construction Waste Dumpsters	EA	157	315.00	49,479	
01 54 00	Tower Crane Rental and Operator	MO	13	33,840	439,920	Yes
01 54 00	Tower Crane Set-Up	LS	1	110,000	110,000	
01 54 00	Tower Crane Maintenance	MO	13	1,000	13,000	
01 54 00	Tower Crane Sales Tax	LS	1	19,950	19,950	
01 54 00	Tower Crane Foundation	CY	81	338	27,344	
DIVISION 01: TOTAL					\$875,612	\$6.19
DIVISION 02: EXISTING CONDITIONS - DEMOLITION						
	Interior Demolition					
DIVISION 02: TOTAL					\$0	\$0.00
DIVISION 03: CONCRETE						
	Foundations					\$11.37
03 30 00	Hand Grade and Pump Water	SF	77,403	0.14	10,449	
03 30 00	Pile Caps	CY	605	415.00	251,223	
03 30 00	Larger Pile Caps for Upper Level	CY	0	415.00	0	Not Required
03 30 00	Anchor Bolts & Grout Base Plates	EA	147	202.50	29,855	
03 30 00	Continuous Wall Footings	CY	307	390.00	119,730	
03 30 00	Interior Grade Beams	CY	160	480.00	76,960	
03 30 00	Grade Beams @ Perimeter (Frost Level Depth)	CY	188	480.00	90,155	
03 30 00	Misc Foundation Walls (Stoops)	SF	640	13.50	8,640	8.00
03 30 00	Basement Foundation Walls (Grade Beams)	SF	2,240	13.50	30,240	16.00
03 30 00	Shear Walls	SF	0	29.25	0	Precast
03 30 00	Dock Leveler Pits	EA	2	4,050.00	8,100	
03 30 00	Slab on Grade	SF	54,588	6.55	357,551	5.00
03 30 00	Ice Arena Lower Sub Slab	SF	16,500	0.00	0	Not Included
13 34 19	Ice Arena Fiish Slab (Cool. Lines in Div 23)	SF	16,500	7.50	123,750	Per SF
13 34 19	Insulation Under Ice Slab	SF	16,500	5.00	82,500	
03 30 00	One Sided Form at Ice Slab Step-up to SOG	SF	788	27.00	21,263	Inc Conc
	Super Structure					
03 30 00	Exterior Concrete Columns in lieu of Cant. Steel	CY	32	680.00	21,760	
03 30 00	Slab -on-Deck	SF	49,568	5.00	247,842	6.25
03 30 00	Precast Concrete Topping @ Seating	SF	20,712	0.00	Not Required	2.00
03 30 00	SOD Infill behind Upper Seating Bowl	SF	0	7.50	0	5
	Misc Concrete Items					
03 30 00	Pan Stair Fill @ Exit Stairs	SF	9,072	6.00	54,432	
03 30 00	Stair Pan Infill @ Arena Entrance Stair	SF	640	6.00	3,840	
03 30 00	Pan Stair Fill @ Stairs to Upper Balcony	SF	1,600	6.00	9,600	
03 30 00	4" Housekeeping Pads	SF	1,000	10.00	10,000	
03 30 00	Form Stairs @ Lobby SOD	LF	120	100.00	12,000	
03 30 00	Foundation Hoisting	WK	0.00	6,300.00	0	12,500
03 30 00	Perimeter Insulation @ Frost Foundations	SF	3,785	1.50	5,677	
01 71 23	Layout and Cleanup	SF	141,368	0.23	31,808	

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
Precast						
03 41 00	Stadium Seating Precast	Horiz. SF	20,712	41.95	868,848	
03 30 00	Poured Steps @ Stadium Precast Seating	LF	1,538	25.00	38,438	
03 41 00	Precast Beams / Columns @ Stadium Precast	LF	0	360.00	0	
03 45 00	Architectural Precast with Brick Tiles (Walls)	SF	16,011	40.50	648,448	
03 45 00	Interior Architectural Precast Walls	SF	7,176	34.20	245,433	Stairways
DIVISION 03: TOTAL					\$3,408,542	\$24.11
DIVISION 04: MASONRY						
Exterior Skin						
04 20 00	Modular Brick & Insulation (Running Bond)	SF	0	27.00	0	
04 20 00	CMU Exterior Block Skin (No Additional Backup)	SF	5,870	20.05	117,686	2
04 20 00	CMU Backup	SF	3,993	19.60	78,255	12.00
Interior Partitions						
04 20 00	8" CMU Partitions	SF	48,158	16.00	770,521	13.85
04 20 00	12" CMU Partition - Premium	SF	0	2.70	0	0.00%
04 20 00	8" CMU (Elevator / Stair Shaft Walls)	SF	3,894	20.00	77,888	
04 20 00	12" CMU - Premium (Elevator / Stair Shaft Walls)	SF	3,894	1.25	4,868	100.00%
04 20 00	4" Burnished Veneer @ Concourse Level 4'-0"	SF	0	20.25	0	In Alternate
DIVISION 04: TOTAL					\$1,049,218	\$7.42
DIVISION 05: METALS						
Structural Steel, Joist and Decking						
05 10 00	Composite Steel Floor Framing	TN	346.98	3,100.00	1,075,636	14
05 10 00	Steel Floor Framing behind Upper Balconies	TN	0.00	3,375.00	0	10
05 10 00	Steel Secondary @ Precast Stadium Seating	TN	93.20	3,450.00	321,546	9
05 10 00	Steel Beam & Joist Roof Framing -- Flat	TN	188.10	3,100.00	583,103	9
13 31 00	PE Metal Bldg Primary Structure - Main Arena	EA	12.00	69,479.79	833,757	10
13 31 00	PE Metal Bldg Secondary Structure - Main Arena	SF	55,642	5.45	303,248	7
05 10 00	Composite Deck and Studs @ Floors	SF	49,568	2.85	141,270	2.00
05 10 00	Steel Roof Decking - Flat	SF	41,799	2.65	110,769	1.50
13 31 00	Steel Roof Decking - Arena Area	SF	55,642	3.73	207,544	
13 31 00	Acoustical Roof Deck Premium	SF	55,642	1.25	69,552	
13 31 00	Steel Purlin Framing	SF	6,657.40	5.00	33,287	
05 10 00	Shelf Angles	LF	0	67.50	0	
Misc. Steel						
05 50 00	Exit Stairs	VLF	101	1,250.00	126,700	8
05 50 00	Stair Railings - Exit Stairs, Mesh Panels	LF	228	150.00	34,209	\$1,693
05 50 00	Wall Railings - Exit Stairs	LF	304	35.00	10,643	
05 50 00	Wall Railings - into Upper Arena Bowl	LF	0	25.00	0	#DIV/0!
05 50 00	Stair Railings (2 Pipe)- into Upper Arena Bowl	LF	0	150.00	0	
05 50 00	Small Stairs to Balcony Level	VLF	0	1,022.00	0	4
05 50 00	Northeast Entry Stair to Concourse	VLF	12	5,675.00	70,030	20
05 50 00	Stair Railings (2 Pipe) - NE to Concourse	LF	66	75.00	4,951	\$6,148
05 50 00	Wall Railings - NE too Concourse	LF	22	40.00	880	
05 50 00	Guardrails @ Ice Arena Access Openings	LF	112	150.00	16,800	3 Pipe
05 50 00	Arena Bowl Steel Guard Railings	LF	336	100.00	33,600	3 Pipe
05 50 00	Club Lounge & Suite Guardrail @ Stairs	LF	56	100.00	5,600	2 Pipe
05 50 00	Balcony Short Guardrails above wall	LF	428	100.00	42,800	1 Pipe
05 50 00	Suite Separation Short Rail	LF	0	100.00	0	1 Pipe
05 50 00	Arena Stair Railings	LF	340	120.00	40,800	2 Pipe
05 50 00	Suite Stair Railings	LF	0	120.00	0	2 Pipe
05 50 00	Storefront Supports (Interior Vestibule & Walls)	LF	163	99.00	16,137	

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
05 10 00	Curtainwall Support Steel	TN	15.28	3,200.00	48,910	100.00%
05 50 00	Metal Screen Wall Support Steel	TN	0.51	3,200.00	1,632	100.00%
05 50 00	Toilet Partition Supports	EA	0	562.50	0	
05 50 00	Catwalks 6'-0" Wide	LF	0	476.55	0	In Alternate
05 50 00	Catwalk Access Ships Ladders	VLF	0	630.00	0	In Alternate
05 50 00	Premium Support Light Railings	LF	0	250.00	0	Deleted
05 50 00	Support Steel for Lighted Hanging Signage	EA	14	1,000.00	14,000	
05 50 00	Dock Stair & Railings	EA	2	3,600.00	7,200	
05 50 00	OH Support for Concession Rolling Shutters	LF	70	90.00	6,300	
05 50 00	OH Support for Ticket Rolling Shutters	LF	0	90.00	0	
05 50 00	Pipe Support @ Bar Stool Wood Top	LF	404	67.50	27,270	
05 50 00	Ribbon Board / Bulkhead threaded rod supports	LF	0	100.00	0	
05 50 00	Other Misc Steel Allowance	TN	7.07	2,880.00	20,357	0.1
DIVISION 05: TOTAL					\$4,210,957	\$29.79
DIVISION 06: WOOD, PLASTICS & COMPOSITES						
Rough Carpentry						
06 10 00	Roof Blocking	BF	3,399	4.50	15,296	\$0.89 1.5
06 10 00	Plywood @ Parapet / Mansards	SF	3,886	3.78	14,690	
06 10 00	Interior Blocking	GSF	141,368	0.45	63,616	
06 10 00	Layout and Cleanup	GSF	141,368	0.23	31,808	
Finish Carpentry						
06 20 00	Solid Surface Vanities	LF	144	227.50	32,760	1
06 20 00	Corian Window Sills	LF	180	31.50	5,670	100.00%
06 20 00	Custom Wood Wall Paneling	SF	0	36.00	0	0.00%
06 20 00	Ticketing Counter	LF	33	225.00	7,425	
06 20 00	Sound & Lights Counters & Supports	LF	0	250.00	0	In FFE
06 20 00	Press Box Counter and Supports	LF	0	250.00	0	
06 20 00	Base Cabinets (Suites)	LF	213	157.50	33,548	
06 20 00	Solid Surface Countertops	LF	213	135.00	28,755	100.00%
06 20 00	Plastic Laminate Upper Cabinets (Misc)	LF	43	135.00	5,751	20.00%
06 20 00	Coat Closet @ Suites Premium	LF	0	166.50	0	0.00%
06 20 00	Reception Casework (Office Coaches Suite)	LF	36	507.40	18,266	\$250
06 20 00	Bar Casework and Countertops @ Lounge	LF	30	507.40	15,222	\$250
06 20 00	Bar Back Cabinets, Shelving & Mirrors	LF	0	521.60	0	\$350
06 20 00	Arena Bowl Standing Counter @ Concourse	LF	190	92.90	17,651	\$50
06 20 00	Bar Stool Wood Tops 12" @ Lounges	LF	82	92.90	7,618	\$50
06 20 00	Bar Stool Wood Tops 24" @ Suites	LF	132	142.90	18,863	\$100
06 20 00	Training Room Tables	LF	12	242.90	2,915	\$200
06 20 00	Misc Millwork Allowance	GSF	141,368	0.00	0	
DIVISION 06: TOTAL					\$353,759	\$2.50
DIVISION 07: THERMAL/MOISTURE PROTECTION						
Waterproofing						
07 10 00	Dampproof Elevator Pits	SF	400	3.51	1,404	
07 10 00	Waterproof / Drainage Mat @ Found. Walls	SF	2,408	4.28	10,294	
07 25 00	Fluid Applied Air / Vapor Retarder @ Ext Walls	SF	19,012	3.75	71,297	Less PE Bldg
07 18 00	Waterproof Penthouse Floors	SF	0	4.05	0	
Metal Wall & Soffit Panels						
07 40 00	Prefinished Metal Panels	SF	19,012	31.50	598,892	
07 40 00	Prefinished Metal Panels @ Stairs	SF	0	36.00	0	
07 40 00	Metal Screen Walls @ Entrances	SF	272	95.00	25,840	2 Sides
08 90 00	Louvers	SF	325	49.50	16,065	

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
07 40 00	Metal Panel Soffits	SF	6,315	24.75	156,296	
07 60 00	Sheet Metal Flashing Allowance	LF	1,789	18.00	32,202	
	Flat Roof	SF of Roof	41,801			\$11.56
07 50 00	EPDM Roof	SF	41,801	6.70	280,069	100.00%
07 50 00	Sub Roof under Precast Seating	LS	1	0.00	0	Not Included
07 50 00	Dense Deck Insulation Board	SF	41,801	1.05	43,891	100.00%
07 50 00	Roof Crickets	SF	2,090	2.93	6,113	5.00%
07 50 00	Tapered Insulation Premium	SF	41,801	2.50	104,504	100.00%
07 50 00	Roof Walkway Pads	SF	2,090	6.73	14,066	5.00%
07 50 00	Membrane Parapet / Mansard Flashing	SF	3,886	3.73	14,495	
07 50 00	Perfinished Parapet Cap	LF	1,133	17.78	20,145	
	Sealants					
07 90 00	Building Skin & Window Sealants	LF	14,794	3.15	46,602	Ext. Skin
07 90 00	Caulk Interior CMU Control Joints	GSF	70,684	0.23	15,904	50.00%
07 90 00	Caulk HM Frames at CMU Walls	LF	2,414	2.70	6,518	50.00%
07 90 00	Sealant @ Precast Stadium Seating	LF	10,994	2.70	29,684	
07 90 00	Misc Interior Sealant Allowance	GSF	141,368	0.09	12,723	
DIVISION 07: TOTAL					\$1,679,054	\$11.17
DIVISION 08: OPENINGS						
	Doors, Frames and Hardware				\$1,942	Per Leaf
08 11 00	Hollow Metal Frames	EA	102	306.00	31,212	75.00%
08 11 00	Hollow Metal Frames over Std Single Size	EA	34	517.50	17,595	25.00%
08 11 00	Hollow Metal Doors	EA	85	517.50	43,988	50.00%
08 11 00	Solid Core Wood Doors	EA	85	427.50	36,338	50.00%
08 11 00	3'-6" Door Premium @ Medical / Clinics	EA	15	135.00	2,025	8.82%
08 11 00	Stair Exit Door Premium	EA	11	1,080.00	11,880	6.00%
08 70 00	Finish Hardware, Mortise Locks	EA	136	832.50	113,220	80.00%
08 70 00	Hinges, Locks and Stops Only	EA	34	495.00	16,830	20.00%
08 70 00	Electronic Lock Premium	EA	43	450.00	19,350	25.00%
08 70 00	Automatic Door Operators Interior	EA	9	2,475.00	22,275	5.00%
08 11 00	HM Window Lites	EA	11	315.00	3,465	
08 11 00	Unload & Distribute Doors, Frames & Hardware	EA	170	72.00	12,249	
	Specialty Doors					
08 31 00	Access Panels @ Gypsum Ceilings	EA	200	81.00	16,200	
08 33 00	Coiling Overhead Doors 10'x12'	EA	11	10,500.00	115,500	
08 33 00	Interior Coiling Doors, Shutter or Grille	SF	184	49.50	9,108	Concessions
08 33 00	Ticket Counter Coiling Shutter	SF	0	45.00	0	
	Glass, Aluminum and Glazing					
08 41 00	Curtainwall	SF	6,114	75.00	458,529	2
08 41 00	Punched / Ribbon Windows	SF	1,492	40.50	60,441	2
08 41 00	Aluminum Entrance Doors	EA	33	3,800.00	125,400	9
08 41 00	ADA Operators	EA	8	2,700.00	22,275	Yes
08 41 00	Interior Storefront Vestibule (Match CW)	SF	1,047	65.00	68,027	
08 80 00	Interior Storefront	SF	1,236	60.00	74,160	Sales
08 80 00	Interior Alum / Glass Door Leafs	EA	4	3,200.00	12,800	3'-6" x 8'-0"
08 80 00	Mirrors	SF	467	13.50	6,300	
08 80 00	Door Lights and Misc Glazing per Leaf	EA	17	99.00	1,684	10.00%
08 80 00	Final Glass Cleaning	SF	19,777	0.23	4,450	
08 80 00	Glazed Railings @ Suites	LF	318	275.00	87,450	
08 41 00	Aluminum Single Tube Fin	LF	0	120.00	0	
DIVISION 08: TOTAL					\$1,394,936	\$9.87

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DIVISION 09: FINISHES						
	Drywall Exterior Skin Items					\$10.88
09 20 00	Stucco Soffits and Framing	SF	0	16.00	0	
09 20 00	6" Structural Stud Framing & Sheathing	SF	15,020	6.50	97,629	16
09 20 00	Exterior Wall Furring (Masonry or Concrete)	SF	799	1.58	1,258	
07 21 00	External Insulation, Mineral Fiber	SF	0	4.50	0	3.50
09 20 00	Internal Fiberglass Batts	SF	15,020	1.25	18,775	6
09 20 00	Perimeter Drywall	SF	15,818	1.75	27,682	
	Drywall Interior Partitions					
09 20 00	Stair / Elev. Shaft Walls, Including Fire Caulk	SF	0	8.10	0	
09 20 00	MEP Shaft Walls, Including Fire Caulk	LF	611	129.81	79,310	10.00%
09 20 00	One Hour Walls, Including Fire Caulk	LF	1,277	105.00	134,075	20.90%
09 20 00	Dywall Partitions w/Sound Insulation	LF	2,688	105.00	282,263	44.00%
09 20 00	Drywall Partitions to Ceilings	LF	1,216	75.60	91,915	19.90%
09 20 00	Suite and Lounge Low Walls w/Plaster	LF	318	73.80	23,446	5.20%
09 20 00	Furring and Drywall at Conc./ Mas. Core	SF	5,535	3.40	18,820	50.00%
09 20 00	Furring and Drywall at Basement Foundation	SF	0	3.38	0	
09 20 00	Abuse Resistant Drywall Premium @ Concourse	SF	109,792	0.40	43,917	50.00%
09 20 00	Drywall at Columns	SF	14,354	9.20	132,059	50.00%
09 20 00	Architectural Columns at Lobby	SF	968	7.50	7,263	
	Drywall Ceilings					
09 20 00	Suspended Drywall Ceilings - Public Space	SF	33,787	4.50	152,042	38.40%
09 20 00	Drywall Ceilings - Bathrooms	SF	5,164	4.50	23,238	5.87%
09 20 00	Drywall Bulkheads	LF	2,709	53.00	143,577	
09 20 00	10'-0" High Bulkhead above Interior Glass Walls	SF	1,630	7.00	11,410	
09 20 00	Gypsum Soffits	LF	0	63.00	0	
09 20 00	Gypsum Soffit @ Coiling / Shutter Doors	LF	63	53.00	3,339	
09 20 00	3'-0" Ribbon Board Bulkhead w/2' Soffit @ Arena Bowl	LF	740	108.00	79,920	
09 20 00	8" Stud Gypsum Ceiling @ Ticket / Sales	SF	1,010	10.00	10,100	
09 20 00	Gypsum Ceilings @ Suites	SF	6,773	7.50	50,798	
09 20 00	Lobby High Gypsum Clouds	SF	0	17.50	0	
	Fire Proofing					
07 84 00	Misc. Fire Stopping @ Walls / Ceilings	GSF	141,368	0.09	12,723	
07 81 00	Spray Fireproofing at Floors	SF	0	4.42	0	
07 81 00	Spray Fireproofing at Suite Level Roofs	SF	0	2.91	0	
07 81 00	Spray Fireproofing Precast Steel	LF	4,928	12.25	60,368	
	Misc. Drywall Items					
09 20 00	Drywall Layout and Cleanup	GSF	141,368	0.23	31,808	
	Tile					
09 30 00	Porcelain Tile Bathrooms (Team Suite Shower / Bathro	SF	455	11.25	5,119	0.52%
09 30 00	Stone Tile (12x 24 or less) - Thin Set	SF	0	19.80	0	0.00%
09 30 00	Quarry Tile - Concessions	SF	2,894	11.25	32,558	3.29%
09 30 00	Ceramic Tile Walls - Bathrooms	SF	9,408	12.50	117,600	2.93%
09 30 00	Porcelain Tile Base - (Team Locker Suite)	LF	131	12.15	1,592	0.79%
09 30 00	Stone Tile Base	LF	0	21.60	0	0.00%
09 30 00	Quarry Tile Base	LF	405	12.60	5,107	2.45%
09 30 00	Masonite Floor Protection	SF	1,675	2.48	4,144	50.00%
09 30 00	Stone Treads	LF	180	30.00	5,400	
	Acoustical Treatment					
09 51 00	2x2 Acoustic Ceilings (Concourse, Offices, Suites)	SF	0	2.79	0	0.00%
09 51 00	2x2 Acoustic Ceilings (Concessions)	SF	0	4.50	0	0.00%

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141,368 GSF

CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
09 54 00	Linear Wood Ceilings (Portion of Lobbies)	SF	1,848	23.79	43,960	2.10%
09 80 00	Acoustic Wall Panels (Portion of Lobby)	SF	0	14.40	0	0.00%
09 51 00	Acoustic Lapendary Panels	LS	1	0.00	0	In Alternate
Floor Coverings						
09 65 00	Reslient Flooring, VCT	SF	880	2.66	2,336	1.00%
09 65 10	Skate Flooring	SF	7,347	11.50	84,490	8.35%
09 65 00	Carpet Tiles (Ticket, Lounge, Offices & Suites)	SY	1,251	33.75	42,234	12.80%
09 65 00	Unfinished Exposed Floors	SF	4,286	0.00	0	4.87%
09 65 00	Stair Treads and Risers	LF	0	25.32	0	No
09 65 00	No Base	LF	4,426	0.00	0	26.76%
09 65 00	Rubbet Base, 4"	LF	11,579	2.48	28,659	70.00%
Painting and Wall Coverings						
09 90 00	Paint Exposed Structure	SF	12,758	0.68	8,612	14.50%
09 90 00	Unpainted exposed Structure	SF	34,430	0.00	0	39.13%
09 90 00	Clear Floor Sealer, One Coat	SF	57,843	0.45	26,029	65.74%
09 90 00	Stair Tower Walls	SF	17,525	0.67	11,672	
09 90 00	CMU Partitions (Include Block Filler)	SF	99,490	0.67	66,260	31.00%
09 90 00	Paint Gypsum Walls	SF	175,891	0.50	87,066	54.81%
09 90 00	Epoxy Paint Walls (Allowance)	SF	32,094	1.12	35,816	10.00%
09 90 00	Paint Stairs, Railings, and Handrails	VLF	114	67.50	7,675	
09 90 00	Seal Block @ Exterior Skin	SF	5,870	0.68	3,962	100.00%
09 90 00	Finish Doors and Frames	EA	306	81.00	24,804	
09 90 00	Dywall Ceilings and Soffits	SF	69,077	0.86	59,061	
09 90 00	Misc Items - Unforseen	SF	141,368	0.18	25,446	
09 90 00	Punch List	SF	141,368	0.09	12,723	
Misc.						
09 99 00	Home Team Locker Room Premium	SF	706	100.00	70,600	Allowance
09 99 01	Locker and Referee Fit-Out (None Shown)	SF	0	75.00	0	Allowance
09 99 02	Back-of-House Office Fit-Out	SF	0	50.00	0	Allowance
09 99 03	Kitchen / Pantry Area Fit-Out	SF	1,065	150.00	159,750	Allowance
09 77 00	FRP Panels @ Bathrooms	SF	0	6.30	0	0.00%
09 77 00	FRP Panels @ Concessions	SF	4,053	6.30	25,533	1.26%
09 77 00	FRP Wall Protection (Janitors)	SF	320	6.30	2,016	
DIVISION 09: TOTAL					\$2,537,957	\$17.95
DIVISION 10: SPECIALTIES						
10 11 00	Marker & Bulletin Boards	SF	64	11.49	736	
10 21 00	Toilet Partitions	EA	82	990.00	81,180	
10 21 00	Urinal Screens	EA	22	270.00	5,940	
10 26 00	FRP Corner Guards	EA	81	108.00	8,748	
10 28 00	Toilet Accessories, Public Core Toilets	EA	8	2,250.00	18,000	
10 28 00	Toilet Accessories, Single Toilets	EA	8	900.00	7,200	
10 14 00	Door Signs	EA	136	54.00	7,349	
10 14 00	Code Related Signage	SF	87,987	0.09	7,919	
10 14 00	Way Finding Signage	SF	0	0.32	0	By Owner
10 44 00	Fire extinguishers and Cabinets	EA	35	216.00	7,634	
10 51 00	Multi-Purpose Lockers (Metal)	LF	244	150.00	36,600	
10 51 00	Changing Lockers" (Metal)	EA	59	270.00	15,930	Lockerrooms
10 51 00	Custom Team Lockers	LF	74	1,215.00	89,910	
DIVISION 10: TOTAL					\$287,146	\$2.03

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141,368 GSF

CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 11: EQUIPMENT						
11 13 00	Dock Leveler	EA	2	3,780.00	7,560	
11 13 00	Dock Bumpers	EA	2	1,350.00	2,700	
11 13 00	Dock Lights	EA	2	450.00	900	
11 23 00	Laundry Equipment	RM	0	292.50	By Owner	
11 23 00	Commercial Dryer	EA	0	7,470	By Owner	125
11 40 00	Concessions Equipment - Commercial	SF	3,098	0.00	0	By Owner
11 40 00	Kitchen / Pantry Equipment	SF	1,065	0.00	0	By Owner
11 66 23	Dasher Boards (BAP6.0 Signature Series)	LS	1	175,000.00	175,000	Poly. Finish
11 66 23	Dasher Board Aluminum Frame Premium	LS	1	7,500.00	7,500	
11 66 23	Dasher Board 3/8" Poly. Backer Sheet Premium	LF	492	25.00	12,300	
11 66 23	Acrylic Safety Corners @ Players Box Premium	LS	1	15,000.00	15,000	
11 66 23	Dasher Gate Systems	EA	13	0.00	0	In Dasher Bds.
11 66 23	Team Players Boxes	EA	2	0.00	0	In Dasher Bds.
11 66 23	Penalty Boxes	EA	2	0.00	0	In Dasher Bds.
11 66 23	Tme Keeper Box	EA	1	0.00	0	In Dasher Bds.
11 66 23	Raised Wood Flooring / Black Stamina Floor	SF	420	0.00	0	In Dasher Bds.
11 66 23	Wood Framed Elevated Coach Walkway	SF	60	0.00	0	In Dasher Bds.
11 66 23	Plastic Benches @ Boxes	LF	72	0.00	0	In Dasher Bds.
11 66 23	3/8" High Density Poly Sheet @ Boxes	LF	84	0.00	0	In Dasher Bds.
11 66 23	Tempered Glass Shielding - 6'-0" High	LF	492	0.00	0	In Dasher Bds.
11 66 23	Supportless Glass Shielding Premium	LS	1	6,600.00	6,600	
11 66 23	Premium for 8' Glass Shielding (Ends / Radius)	LS	1	5,000.00	5,000	
11 66 23	Protective Netting 20' High x 121' Long	EA	2	0.00	0	In Dasher Bds.
11 66 23	Ice Painting System & Service	LS	1	10,738.00	10,738	
11 66 23	Hockey Goals	EA	2	1,818.00	3,636	
11 66 23	Wireless Goal Lights	SET	1	2,613.00	2,613	
09 65 10	Protective Skate Flooring (Locker Rm to Arena)	SF	3,020	12.70	38,354	3.43%
11 66 23	Sales Tax (Hockey Equipment & Accessories)	LS	1	13,491.12	13,491	
11 66 23	Union Wage Rate Increase	LS	1	0.00	0	
11 66 23	Ice Maintenance System	LS	1	0.00	By Owner	
11 66 43	Wall Scoreboards	EA	2	150,000	300,000	
11 80 00	Fall Protection	EA	1	25,000.00	25,000	
11 61 00	Concert and Spot Lighting (if Required)	Stage	1	0.00	0	By Owner
11 61 00	Removeable Stage	LS	1	0.00	0	By Owner
27 00 00	A / V System for Arena Bowl	LS	0	600,000.00	0	By Owner
11 61 00	Rigging System (If Required)	LS	0	0.00	0	By Owner
DIVISION 11: TOTAL					\$626,392	\$4.43

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 12: FURNISHINGS						
12 20 00	Mini Blinds	SF	0	4.05	0	0.00%
12 20 00	Manual Mecho Shades	SF	0	8.55	0	0.00%
12 20 00	Motorized Mecho Shades	SF	0	15.75	0	0.00%
12 20 00	Motorized Blackout & Mecho Shades	SF	0	20.25	0	0.00%
12 20 00	No Shades Required	SF	7,931	0.00	0	100.00%
12 35 53	Concessions Casework	EA	7	28,581.43	200,070	70.57142857
12 48 13	Entrance Mat and Fames	SF	500	56.25	28,125	
12 66 00	Telescopic Seating, Stairs and Railings	EA	512	540.00	276,480	
12 66 00	Premium for Rolling Telescopic Seating	EA	512	0.00	0	Not Required
12 60 00	Seating @ Telescopic (Upholstered)	EA	512	160.00	81,920	
12 60 00	Seating @ Arena Bowl (Upholstered)	EA	3,065	160.00	490,400	
12 60 00	Seating @ Suites (Fixed Upholstered)	EA	519	240.00	124,560	
12 60 00	Seating @ Lounges (Upholstered)	EA	0	240.00	0	In Suites
12 60 00	Bar Rail Seating	EA	120	240.00	28,800	
12 60 00	Union Wage Rate Increase	EA	4,216	0.00	0	
DIVISION 12: TOTAL					\$1,230,355	\$8.70
DIVISION 13: SPECIAL CONSTRUCTION						
13 31 00	Metal Corrugated Pre-Eng. Wall Panels	SF	6,657	15.00	99,861	
13 31 00	Metal Pre-Eng. Wall Flat Panel (Premium)	SF	0	2.50	0	0.00%
13 31 00	PE Insulation at Wall Panels @ Arena Bowl	SF	6,657	2.50	16,644	100.00%
13 31 00	Metal Corrugated Pre-Eng. Roof Panels	SF	55,640	10.00	556,398	
13 31 00	Composite Board Insulation at Roof	SF	55,640	5.00	278,199	
13 31 00	Backside of Parapet and Framing	SF	0	15.00	0	
13 31 00	Pre-Eng. Building Interior Wall Liner Panels	SF	7,100	10.00	71,001	Arena Bowl
13 31 00	Eva and Gable Trim	LF	1,063	20.00	21,260	
13 34 19	Ice Infrastructure and Cooloant System	LS	1	1,550,000.00	1,550,000	
13 20 00	Sauna, Cedar	SF	0	225.00	0	None Included
DIVISION 13: TOTAL					\$2,593,362	\$18.34
DIVISION 14: CONVEYING EQUIPMENT						
Passenger Elevators						
14 20 00	Passenger Elevator	EA	0	60,000.00	0	\$30,000
Misc Elevators						
14 20 00	Service Elevator	EA	1	63,000.00	63,000	\$31,500
14 30 00	Escalators, (\$17,500/LF)	EA	1	0.00	0	0
DIVISION 14: TOTAL					\$63,000	\$0.45
DIVISION 21: FIRE SUPPRESSION						
21 00 00	Sprinklers	SF	141,368	3.02	426,931	
21 00 00	Fire Pump	LS	1	43,200.00	43,200	
DIVISION 21: TOTAL					\$470,131	\$3.33

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 22: PLUMBING						
22 00 00	Underground Sanitary	LS	1	149,737.50	149,738	
22 00 00	Underground Storm	LS	1	8,996.40	8,996	2,000
22 00 00	Above Ground Sanitary W & V	LS	1	587,080.80	587,081	
22 00 00	Above Ground Storm	LS	1	372,450.60	372,451	
22 00 00	Domestic Water	LS	1	753,408.90	753,409	
22 00 00	Natural Gas	LS	1	8,795.70	8,796	
22 00 00	Food Service Rough-In	LS	1	198,665.10	198,665	
22 00 00	Food Service Final Hookup	LS	1	35,278.20	35,278	
22 00 00	Plumbing Fixtures and Drains	LS	1	343,199.70	343,200	
22 00 00	Misc Equipment	LS	1	179,683.20	179,683	
22 00 00	Heat Trace	LS	1	6,299.10	6,299	
22 00 00	Infrastructure for Soda / Beverage System	LS	1	60,000.00	60,000	
22 00 00	GSF decrease Allowance	SF	-8,511	2.50	(21,278)	Minor
DIVISION 22: TOTAL					\$2,682,318	\$18.97
DIVISION 23: HVAC						
23 00 00	Chilled Water Piping	LS	1	485,173.80	485,174	
23 00 00	Hot Water Piping	LS	1	357,737.40	357,737	
23 00 00	Natrual Gas	LS	1	13,194.00	13,194	
23 00 00	Equipment-Chilled Water	LS	1	167,757.30	167,757	
23 00 00	Equipment-Hot Water	LS	1	219,616.20	219,616	
23 00 00	Unitary Cooling Units	LS	1	330,403.50	330,404	
23 00 00	Term. Equipment (JH, CUH, etc.)	LS	1	50,567.40	50,567	
23 00 00	Chemical Water Treatment	LS	1	27,636.30	27,636	
23 00 00	Pipe Insulation	LS	1	108,910.80	108,911	
23 00 00	Test and Balance - Wet System	LS	1	9,546.30	9,546	
23 00 00	Arena Bowl Ductwork	LS	1	342,299.70	342,300	
23 00 00	General Ductwork	LS	1	349,480.80	349,481	
23 00 00	General Exhaust	LS	1	74,803.50	74,804	
23 00 00	Food Service Exhaust	LS	1	25,731.90	25,732	
23 00 00	Smoke Control Ductwork	LS	1	25,731.90	25,732	
23 00 00	Equipment	LS	1	1,344,066.30	1,344,066	
23 00 00	Grilles and Registers	LS	1	85,802.40	85,802	
23 00 00	Fire and Smoke Dampers	LS	1	25,281.00	25,281	
23 00 00	Duct Insulation	LS	1	73,457.10	73,457	
23 00 00	Test and Balance	LS	1	26,493.30	26,493	
23 00 00	Project General Conditions	LS	1	528,826.80	528,827	
23 00 00	Mechanical Fee	LS	1	442,458	442,458	
23 00 00	GSF Increase Allowance (Nov to Jan. Estimate)	SF	-7,245	17.09	(123,810)	
23 00 00	GSF decrease Allowance (Shorten Building)	SF	-4,920	29.25	(143,910)	
23 00 00	Delete Press Box	SF	-1,851	15.00	(27,765)	
23 00 00	Elevator deduct HVAC Credit	EA	-1	5,000.00	(5,000)	
23 00 00	Reduction to DX Gas Fired Roof Tops	LS	1	0.00	0	
DIVISION 23: TOTAL					\$4,814,490	\$34.06
DIVISION 25: INTEGRATED AUTOMATION						
25 00 00	Temperature Controls	SF	141,368	2.50	353,420	
DIVISION 25: TOTAL					\$353,420	\$2.50

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 26: ELECTRICAL						
26 00 00	Electrical Power	AMP	4,000	131.25	525,000	
26 00 00	Switchboards	LS	1	0.00	0	In Above
26 00 00	Transformers	LS	1	0.00	0	In Above
26 00 00	Panels and Disconnects	LS	1	0.00	0	In Above
26 00 00	Riser Distribution	LS	1	500,000.00	500,000	
26 00 00	Equipment Connections & Power Distribution	LS	1	525,000.00	525,000	
26 00 00	Branch Circuitry	LS	1	450,000.00	450,000	
26 00 00	Emergency Generator & ATS	LS	1	365,000.00	365,000	
26 00 00	Temporary Power & Lighting	LS	1	300,000.00	300,000	
26 00 00	Lighting Fixtures	LS	1	230,000.00	230,000	
26 00 00	Sports / Concert Lighting Fixtures	LS	1	350,000.00	350,000	
26 00 00	Installation and Branch Wiring for Lighting	LS	1	410,000.00	410,000	
26 00 00	Lighting Controls / Switching Systems	LS	1	350,000.00	350,000	
26 00 00	Lightning Protection	LS	1	110,000.00	110,000	
26 00 00	Grounding	LS	1	67,500.00	67,500	
26 00 00	Fire Alarm Systems	LS	1	300,000.00	300,000	
26 00 00	GSF Increase Allowance	SF	-7,245	20.64	(149,537)	
23 00 00	GSF decrease Allowance (Shorten Building)	SF	-4,920	20.00	(98,400)	
23 00 00	Delete Press Box	SF	-1,851	20.00	(37,020)	
23 00 00	Elevator deduct Electrical Credit	EA	-1	5,000.00	(5,000)	
23 00 00	Add to DX Roof Top Units	LS	1	0.00	0	
DIVISION 26: TOTAL					\$4,192,543	\$29.66
DIVISION 27: COMMUNICATIONS						
27 00 00	Telephone & Data System	LS	1	0.00	0	By Owner
27 00 00	Tele/Data Pathway Only	LS	1	179,944.50	179,945	
27 00 00	UPS System for Telephone / Data	LS	1	157,451.44	157,451	
27 00 00	Audio / Videp System and Wiring	LS	1	0.00	0	By Owner
27 00 00	Audio / Video System Pathway Only	SF	141,368	0.45	62,981	
27 00 00	Low Voltage Cable Tray (All Systems)	LS	1	121,462.54	121,463	
27 00 00	DAS Cellular	LS	1	116,963.93	116,964	
27 00 00	GSF decrease Allowance (Shorten Building)	LS	1	(16,771.53)	(16,772)	
DIVISION 27: TOTAL					\$622,031	\$4.40
DIVISION 28: ELECTRONIC SAFETY SECURITY						
28 00 00	Access Control System and Wiring	LS	1	0.00	0	By Owner
28 00 00	CCTV System and Wiring	LS	1	0.00	0	By Owner
28 00 00	CCTV System Access Control Pathway	SF	141,368	0.32	44,986	
DIVISION 28: TOTAL					\$44,986	\$0.32

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141,368 GSF

CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 31: EARTHWORK						
	Earthwork					
31 00 00	7'-0" Machine Bulk Excavation - To top of Pile Cap	CY	30,156	1.50	45,234	Basement
31 00 00	Footing & Foundation Excavation	CY	3,276	6.00	19,659	
31 00 00	Haul Earth	CY	30,156	6.80	205,061	1
31 50 00	Soldier Piles and Lagging	SF	0	36.00	0	
31 00 00	Clean Crushed Rock @ SOG	CY	1,692	38.00	64,293	
03 30 00	6 Mil Vapor Barrier @ SOG	SF	70,280	0.50	35,140	
31 00 00	Compacted Earth Backfill	CY	3,932	10.00	39,317	
31 00 00	Premium for Granular Earth Backfill	CY	3,932	12.50	49,146	100.00%
31 00 00	Building Pad Granular	CY	13,780	22.50	310,060	3.00
31 00 00	Finish Grading	SF	86,248	0.09	7,762	
31 00 00	Perimeter Drint Tile and Draintile Field @ SOG	LF	3,715	9.00	33,435	
31 00 00	Sump Pits	EA	4	2,000.00	8,000	
	Specialty Foundations					
31 60 00	HP 12x63 Piles	LF	13,162	35.00	460,673	
31 60 00	Additional Piles for Upper Deck	LF	1,600	35.00	56,000	
31 60 00	Pile Points	EA	478	120.00	57,369	
31 60 00	Mobilization	LS	1	40,000.00	40,000	
DIVISION 31: TOTAL					\$1,431,148	\$10.12
SUBCONTRACTOR SUBTOTAL					\$34,821,360	

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Estimate #: 15 86
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5.50 ACRE

DIVISION DESCRIPTION	%	COST / SF	TOTAL COST	VARIANCE	Last Estimate
DIVISION 01: SPECIAL CONDITIONS		12,542.75	\$68,985	\$0	\$68,985
DIVISION 02: EXISTING CONDITIONS - DEMOLITION		70,418.67	\$387,303	\$0	\$387,303
DIVISION 03: CONCRETE		27,272.73	\$150,000	\$0	\$150,000
DIVISION 04: MASONRY		3,927.27	\$21,600	\$0	\$21,600
DIVISION 05: METALS		5,000.00	\$27,500	\$0	\$27,500
DIVISION 06: WOOD, PLASTICS & COMPOSITES		0.00	\$0	\$0	\$0
DIVISION 07: THERMAL/MOISTURE PROTECTION		3,675.11	\$20,213	\$0	\$20,213
DIVISION 08: OPENINGS		0.00	\$0	\$0	\$0
DIVISION 09: FINISHES		0.00	\$0	\$0	\$0
DIVISION 10: SPECIALTIES		1,260.00	\$6,930	\$0	\$6,930
DIVISION 11: EQUIPMENT		0.00	\$0	\$0	\$0
DIVISION 12: FURNISHINGS		3,636.36	\$20,000	\$0	\$20,000
DIVISION 13: SPECIAL CONSTRUCTION		0.00	\$0	\$0	\$0
DIVISION 14: CONVEYING EQUIPMENT		0.00	\$0	\$0	\$0
DIVISION 21: FIRE SUPPRESSION		0.00	\$0	\$0	\$0
DIVISION 22: PLUMBING		0.00	\$0	\$0	\$0
DIVISION 23: HVAC		0.00	\$0	\$0	\$0
DIVISION 25: INTEGRATED AUTOMATION		0.00	\$0	\$0	\$0
DIVISION 26: ELECTRICAL		40,909.09	\$225,000	\$0	\$225,000
DIVISION 27: COMMUNICATIONS		0.00	\$0	\$0	\$0
DIVISION 28: ELECTRONIC SAFETY SECURITY		0.00	\$0	\$0	\$0
DIVISION 31: EARTHWORK		39,329.43	\$216,312	\$0	\$216,312
DIVISION 32: EXTERIOR IMPROVEMENTS		87,123.70	\$479,180	\$0	\$479,180
DIVISION 33: UTILITIES (From East Side of Bldg)		35,968.78	\$197,828	\$0	\$197,828
SUBCONTRACTOR TRADE SUBTOTAL:			\$1,820,851	\$0	\$1,820,851
CMR - CONSTRUCTION CONTINGENCY	3.00%	9,931.92	\$54,626	\$0	\$54,626
CMR - ESTIMATING CONTINGENCY	3.00%	10,229.87	\$56,264	\$0	\$56,264
OWNER DESIGN CONTINGENCY	0.00%	0.00	\$0	\$0	\$0
TRADE & CONTINGENCY SUBTOTAL:			\$1,931,741	\$0	\$1,931,741
00 72 00 GENERAL CONDITIONS		14,400.25	\$79,201	\$0	\$79,201
GENERAL LIABILITY INSURANCE	0.72%	2,632.51	\$14,479	\$0	\$14,479
BUILDERS RISK INSURANCE	0.10%	368.26	\$2,025	\$0	\$2,025
PERFORMANCE BOND	0.64%	2,359.47	\$12,977	\$0	\$12,977
PROJECT FEE	2.50%	9,274.65	\$51,011	\$0	\$51,011
TOTAL		\$380,260.82	\$2,091,435	\$0	\$2,091,435

Owner: City of Coralville
 Project: Iowa River Landing Arena (Price Update)
 Estimate: Sitework
 Location: Coralville, Iowa
 Architect: JLG



Estimate #: 15 86
 Estimator: Vital and Kyle
 Due Date: 2/19/2016 Revis

70.00 CARS

CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 01: SPECIAL CONDITIONS						
01 56 26	Tempoary Fencing	LF	1,856	5.85	10,858	
01 56 26	Staging Area Fence adjacent Property	LF	1,000	5.85	5,850	
01 56 26	Temporary Fence Gates	EA	2	1,125	2,250	
01 55 00	Temporary Signage	EA	8	450.00	3,600	
01 55 00	Temporary Staging Area (Use Extg Pavement)	SF	0	0.77	0	8
01 55 00	Temporary Roads	SF	27,013	0.77	20,665	8
01 55 00	Tempoary Site Lighting	EA	4	1,800	7,200	
01 71 23	Site Layout	DAY	17	1,125	18,563	
DIVISION 01: TOTAL					\$68,985	\$12,542.75
DIVISION 02: EXISTING CONDITIONS - DEMOLITION						
31 00 00	Site Clearing	AC	5.50	1,000.00	5,500	
31 00 00	Building Demolition	SF	85,000	3.50	297,500	
31 00 00	Demo Curb & Gutters	LF	0	2.70	0	In Alternate
31 00 00	Demo Sidewalks	SF	0	0.50	0	In Alternate
31 00 00	Demo Pavement	SF	94,406	0.45	42,483	
31 00 00	Demo Fencing	LF	483	5.00	2,415	
31 00 00	Demo Retaining Wall	SF	4,830	3.50	16,905	
31 00 00	Demo Extg Pavement Staging Area	SF	50,000	0.45	22,500	
DIVISION 02: TOTAL					\$387,303	\$70,418.67
DIVISION 03: CONCRETE						
Concrete						
03 30 00	Handicap Ramp Allowance @ Front Entrance	LS	1	150,000.00	150,000	
DIVISION 03: TOTAL					\$150,000	\$27,272.73
DIVISION 04: MASONRY						
04 20 00	Block Walls at Loading Dock Area	SF	960	22.50	21,600	12
DIVISION 04: TOTAL					\$21,600	\$3,927.27
DIVISION 05: METALS						
05 50 00	Railings @ Exterior Stairs and Ramps	LF	220	125.00	27,500	
05 50 00	Retaining Wall Guardrails (3 Pipe)	LF	0	125.00	0	
DIVISION 05: TOTAL					\$27,500	\$5,000.00
DIVISION 07: THERMAL/MOISTURE PROTECTION						
07 90 00	Caulking at Pavements	LF	8,167	2.48	20,213	
DIVISION 07: TOTAL					\$20,213	\$3,675.11
DIVISION 10: SPECIALTIES						
10 14 00	Traffic Signage	EA	4	157.50	630	
10 14 00	Site Building Signage	LS	1	0.00	By Owner	
10 75 00	Flag Poles	EA	2	3,150.00	6,300	
DIVISION 10: TOTAL					\$6,930	\$1,260.00
DIVISION 11: EQUIPMENT						
DIVISION 11: TOTAL					\$0	\$0.00

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
DIVISION 12: FURNISHINGS						
12 50 00	Site Furniture	LS	1	20,000.00	20,000	
DIVISION 12: TOTAL					\$20,000	\$3,636.36
DIVISION 26: ELECTRICAL						
26 00 00	Site Electrical per Narrative	LS	1	100,000.00	100,000	
26 00 00	Site Lighting Allowance	LS	1	50,000.00	50,000	
28 00 00	Façade Lighting @ Northwest Entrance	LS	1	75,000.00	75,000	
DIVISION 26: TOTAL					\$225,000	\$40,909.09
DIVISION 31: EARTHWORK						
Site and Parking Earthwork						
31 00 00	Temporary Erosion Control	AC	5.50	2,000.00	11,000	
31 00 00	Site Stripping	CY	4,437	10.00	44,367	0.5
31 00 00	Parking Lot Average Site Fills	CY	1,014	3.00	3,043	0.5
31 00 00	Average Site Fills - Other	CY	1,266	4.61	5,838	0.5
	Fill Balance	CY	-2,280	Don't Delete		
31 00 00	Imported Fill	CY	2,280	10.80	24,625	
31 00 00	Fine Grading	SF	100,308	0.30	30,092	
31 00 00	Aggregate Base under Sidewalks	CY	320	44.00	14,073	0.34
31 00 00	Aggregate Base @ Conc. Parking Lot	CY	1,359	37.00	50,292	0.67
31 00 00	Respread Topsoil	CY	394	5.00	1,970	0.5
31 00 00	Haul Topsoil	CY	4,043	6.70	27,071	1.5
DIVISION 31: TOTAL					\$216,312	\$39,329.43
DIVISION 32: EXTERIOR IMPROVEMENTS						
Site Concrete						
32 13 00	Concrete Pavement @ Parking	SF	43,820	4.25	186,235	8
32 16 00	Curb & Gutter @ Roads and Drives	LF	905	18.00	16,290	100.00%
32 13 00	Sidewalks	SF	20,320	5.05	102,616	
32 13 00	Sidewalk (By Others)	SF	16,624	0.00	0	
32 13 00	Plaza Slab Risers @ NW Entrance	LF	975	25.00	24,375	
32 13 00	6" Concrete Parking Spaces	SF	0	4.25	0	
32 13 00	Site Concrete Stairs, Per LF of Tread	LF	180	25.00	4,500	
05 50 00	Protection Bollards	EA	10	292.50	2,925	
32 13 00	Misc Site Concrete	LS	1	2,250.00	2,250	
Site Structures						
31 00 00	Excavation (Concrete Retaining)	CY	300	11.25	3,380	
31 00 00	Compacted Backfill (Concrete Retaining)	CY	376	18.00	6,760	
03 30 00	Retaining Wall Footings	CY	28	390.00	10,985	
03 30 00	Concrete Retaining Walls	SF	780	13.50	10,530	
Site Specialties						
32 30 00	Trash Enclosure, Single Allowance	EA	1	22,500.00	22,500	
32 30 00	MEP Enclosure Allow.	EA	1	50,000.00	50,000	Chiller Area
32 30 00	Building Signage	EA	1	0.00	0	By Owner

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CSI	Description	UM	Quantity	Unit Price	Amount	SF/Cost
Lanscaping						
32 90 00	Sodding	AC	0.41	15,681.60	6,384	100.00%
32 90 00	Seeding	AC	0.00	2,475.00	0	0.00%
32 90 00	Landscape Allowance	SF	17,734	1.35	23,941	
32 80 00	Irrigation System	SF	17,734	0.30	5,320	
DIVISION 32: TOTAL					\$479,180	\$87,123.70
DIVISION 33: UTILITIES (From East Side of Bldg)						
33 00 00	Sanitary Sewer, 8" Line @ 8' Deep	LF	432	45.00	19,440	8" HDPE
33 00 00	Sanitary Sewer Manholes	EA	2	3,375.00	6,750	
33 00 00	Domestic Water Service, 2" @ 8' Deep	LF	750	54.00	40,500	
33 00 00	Firewater Main, 8" Line	LF	926	45.00	41,670	8" PVC
33 00 00	Fire Hydrants	EA	4	2,790.00	11,160	
33 00 00	Storm Drainage	AC	2.30	19,350.00	44,558	
33 00 00	Natural Gal Line Extension	LF	0	33.75	0	By Owner
32 12 00	9th Street Patching @ Utilities	SF	2,500	13.50	33,750	Pavers
DIVISION 33: TOTAL					\$197,828	\$35,968.78
SUBCONTRACTOR SUBTOTAL					\$1,820,851	