



Spokane Park Board Agenda

3:30 p.m. Oct. 11, 2018

City Council Chambers, lower level City Hall
808 W. Spokane Falls Blvd., Spokane, Washington

Park Board Members:

Nick Sumner – President
Rick Chase – Vice President
Leroy Eadie – Secretary
Chris Wright
Ted McGregor
Greta Gilman
Sally Lodato
Jennifer Ogden
Gerry Sperling
Jamie SiJohn
Mike Fagan – Council Liaison

Agenda

1. **Roll Call:** *Pamela Clarke*
2. **Minutes:** [Sept. 13, 2018, regular Park Board meeting minutes](#)
3. **Additions or Deletions to the Agenda:**
 - A.
4. **Special Guests:**
5. **Claims:** [Claims for the month of September 2018](#) – *Chris Wright*
6. **Financial Report & Budget Update:** *Mark Buening*
7. **Special Discussion/Action Items:**
 - A. [Golf Committee Chair appointment](#) – *Nick Sumner*
8. **Executive Session:**
 - A. Legal matter
9. **Committee Reports – Action Items:**
 - Urban Forestry Tree Committee:** (The Oct. 2 meeting was canceled.) – *Rick Chase*
 - A. Action Items: None
 - Golf Committee:** Oct. 9, 2018 – *Gerry Sperling*
 - A. Robert Trent Jones II, LLC/Golf Course Master Plan project (\$62,500, tax inclusive)
 - B. 2019 Golf course rates
 - Land Committee:** Oct. 3, 2018 – *Greta Gilman*
 - A. Manito Park swan sculpture donation/artist Vincent De Felice

Recreation Committee: (The Oct. 4 meeting was canceled.) – *Sally Lodato*

A. Action Items: None

Riverfront Park Committee: Oct. 8, 2018 – *Ted McGregor*

A. Riverfront Park redevelopment update

B. [Bernardo | Wills Architects contract amendment #2/North Bank skate park and basketball court design \(\\$30,800, tax inclusive\)](#)

C. [Garco change order #9/Pavilion and Promenade \(\\$757,596, plus tax\)](#)

D. [Executive Team appointment/Gerry Sperling](#)

E. [Höweler + Yoon Architecture contract amendment #1/Stepwell sculpture \(\\$450,000, tax inclusive\)](#)

F. [2019 attraction fees and charges](#)

Finance Committee: Oct. 9, 2018 – *Chris Wright*

A. 2019 Parks budget

Bylaws Committee: *Jennifer Ogden*

A. Action Items: None

10. **Reports**

A. Park Board President: *Nick Sumner*

B. Liaisons:

1. Conservation Futures – *Nick Sumner*

2. Parks Foundation – *Ted McGregor*

3. City Council – *Mike Fagan*

C. Director: *Leroy Eadie*

11. **Correspondence:**

A. Letters/emails: None

B. Newsletters: Hillyard Senior Center

12. **Public Comments:**

13. **Adjournment:**

14. **Meeting Dates:**

A. Next Committee meeting dates:

Urban Forestry Committee: 4:15 p.m. Oct. 30, 2018, Woodland Center, Finch Arboretum

Land Committee: 3 p.m. Oct. 31, 2018, Manito Park meeting room, Manito Park

Recreation Committee: 5:15 p.m. Nov. 1, 2018, Park Operations Complex, 2304 E. Mallon

Riverfront Park Committee: 8:05 a.m. Nov. 5, 2018, City Council Briefing Center

Golf Committee: 8 a.m. Nov. 6, 2018, Manito Park meeting room, Manito Park

Finance Committee: 3 p.m. Nov. 6, 2018, City Conference Room Lobby - Tribal, first floor City Hall

B. Next Park Board: 3:30 p.m. Nov. 8, 2018, City Council Chambers

C. Park Board Study Session: No session scheduled at this time.

Agenda is subject to change

AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION: The City of Spokane is committed to providing equal access to its facilities, programs and services for persons with disabilities. The Spokane City Council Chamber in the lower level of Spokane City Hall, 808 W. Spokane Falls Blvd., is wheelchair accessible and also is equipped with an infrared assistive listening system for persons with hearing loss. Headsets may be checked out (upon presentation of picture I.D.) at the City Cable 5 Production Booth located on the First Floor of the Municipal Building, directly above the Chase Gallery or through the meeting organizer. Individuals requesting reasonable accommodations or further information may call, write, or email Human Resources at 509.625.6363, 808 W. Spokane Falls Blvd, Spokane, WA, 99201; or jsaxon@spokanecity.org. Persons who are deaf or hard of hearing may contact Human Resources through the Washington Relay Service at 7-1-1. Please contact us forty-eight (48) hours before the meeting date.



Spokane Park Board

3:30 p.m. Sept. 13, 2018

City Council Chambers, lower level City Hall
808 W. Spokane Falls Blvd., Spokane, Washington

Park Board Members:

- X Nick Sumner – President
- X Rick Chase – Vice President (Left: 5 p.m.)
- X Leroy Eadie – Secretary
- X Chris Wright
- X Ted McGregor
- X Greta Gilman
- X Sally Lodato
- X Jennifer Ogden (call-in)
- X Gerry Sperling
- X Jamie SiJohn
- X Mike Fagan – Council Liaison
(Arrived: 3:35 p.m.)

Parks Staff:

Jason Conley
Mark Buening
Garrett Jones
Al Vorderbrueggen
Jennifer Papich
Angel Spell
Jonathan Moog
Berry Ellison
Nick Hamad
Kevin Sharrai
Ryan Griffith
Diana Whaley
Justin Worthington
Steve Nittolo
Josh Morrissey
Pamela Clarke

Guests:

Adaya Gallion
Aurora Gallion
Jacob Gallion
Levi Manewal
Bret Allen
Terri Fortner
Steve McNutt
Steve Corker
Kim Ferraro
Victor Frazier
Grace Li Bergman
Carol Neupert

MINUTES

(Click [HERE](#) to view a video recording of the meeting.)

1. **Roll Call:** *Pamela Clarke*
See above

2. **Minutes:**
A. Aug. 9, 2018, regular Park Board meeting minutes and Aug. 27, 2018, special Park Board meeting minutes

Motion No. 1: Nick Sumner moved to approve the Aug. 9, 2018, regular Park Board meeting minutes and the Aug. 27, 2018, special Park Board meeting minutes.

Rick Chase seconded.
Motion carried unanimously.

3. **Additions or Deletions to the Agenda:**
A. None

4. **Special Guests:**
A. Park cleanup recognition and thank you – *Justin Worthington* presented commemorative challenge coins to seven-year-olds Adaya and Aurora Gallion for their volunteer cleanup work at Loma Vista Park. The twin sisters recently observed graffiti at the park and took on the job of removing the damage. Nick Sumner thanked them for their volunteer work and community spirit.

B. Riverfront Park Campaign update – *Carol Neupert* presented an update on the Riverfront Park Campaign. For the past eight months, the Campaign Steering Committee has been working on developing the policies and procedures for the fundraising campaign. Ms. Neupert thanked Chris Wright, Ted McGregor and Jennifer Ogden, Leroy Eadie and Fianna Dickson for contributing and serving on the committee. The planning phase is almost complete, and the lead and major gift solicitation phase is expected to kick off shortly.

5. **Claims:** Claims for the month of August 2018 – *Chris Wright*

Motion No. 2: Chris Wright moved to approve claims for the month of August 2018 in the amount of \$3,976,824.07.

Sally Lodato seconded.
Motion carried unanimously.

6. **Budget update and financial report:**

A. 2019 Parks and Recreation preliminary budget – *Mark Buening* presented the preliminary 2019 Parks and Recreation budget. Highlights included: 1) three new Riverfront Park positions are budgeted for next year, including an event and group rental manager, event specialist and a park caretaker; 2) one new Recreation position is budgeted, facility and grounds foreperson; and 3) total budgeted Park Fund revenues are \$23.923 million and total expenditures are \$23.966 million. The preliminary Golf Fund budget was not presented as additional data is required before formulating next year's budget.

B. August financial report – The Park Fund revenue is tracking at 76.63% of the projected budget. Parks and Recreation expenditures are tracking at 103.67% of the projected budget. The Golf Fund revenue is tracking at 106.49% of the projected budget. The Golf Fund expenditures are tracking at 101.59% of the projected budget. Of the \$68.06 million Riverfront Park Bond, \$30.86 million has been expended and \$21.23 million expended/committed, leaving a \$15.97 million budget balance.

7. **Special Discussion/Action Item:**

A. North bank rides complex feasibility study – *Jonathan Moog* presented the feasibility study which the Park Board had commissioned to be completed Sept. 1. The purpose of the study was to collect and present information on the operation, financial projections and constructability of a potential permanent amusement rides complex on the north bank of Riverfront Park. The goal of the study was to validate financial viability of a rides complex to provide affordable family entertainment in the park. Some of the key points in the study included: 1) there are 25 entertainment-orientated businesses within a 10-mile radius of Riverfront Park; 2) the north bank is likely the most suitable location for rides in the park; 3) the rides complex is assumed to be a permanent addition with three rides; 4) base price of the three rides would be about \$680,000; 5) the complex could be funded by a \$2.4 million loan from the Spokane Investment Pool (SIP), a loan from a commercial bank or by general obligation or revenue bonds; 6) the complex would cover a 12,600-square-foot area; 7) the complex would deduct about 20 or more parking spaces from the north bank resulting in a \$29,800 loss in revenue, annually; 8) a 20-year forecast indicates the complex will have a net \$743,585 loss by year 20; and 9) the current programming effort at the park aligns with the 2014 Master Plan. Based on the research presented, Mr. Moog reported an investment in a rides complex does not appear to be a fiscally responsible decision. He added it would pass potential risk on to the Parks Fund to pay for the debt service. Mr. Moog said there is potential of having a traveling carnival in the Pavilion for a two-week period prior to the country fair. This

option will provide more ride options than what Riverfront Park could provide permanently and there may be an opportunity to change them each year. He reported there is sufficient electrical power to support approximately eight to 12 rides in the Pavilion. Staff also believes the Great Floods Regional Playground, Looft Carousel, skate ribbon and other programming fulfills the need for affordable family activities at the park. When asked if adding a rides complex to the design would delay the completion of the north bank, Leroy Eadie said highest priority on the north bank is opening the regional playground by the end of 2019. He thought it is quite likely a rides complex would not be fully operational until 2020, at best. Mike Fagan suggested delaying a vote at this time in order to investigate if there are opportunities to partner with the city in addressing other funding options. He offered to discuss those opportunities with the City Council. Mr. Sumner thanked Mr. Fagan for the suggestion, but urged the board to take action today and not delay a vote.

Public testimony:

1) *Steve McNutt*, former Park Board member, addressed the board explaining there are three primary factors to be considered, including: 1) fiscal/financial implications – He cautioned not to make it a money issue; 2) philosophical standpoint – The rides are “entertainment,” and Park Board’s primary responsibility is to offer “recreation” to its citizens and visitors; and 3) aesthetics – The carnival appearance doesn’t truly fit the design of the park’s new image.

2) *Steve Corker*, former Park Board member and proponent of the rides complex, expressed his gratitude to the Park Board for the open line of communication during this process.

3) *Hal McGlathery*, founder of the Safe and Affordable Family Entertainment (SAFER) organization, thanked the board for working with SAFER who are proponents of a rides complex. He shared his appreciation for the opportunity to have a voice.

Motion No. 3: Nick Sumner moved to approve a permanent rides complex on the north bank.

Ted McGregor seconded.

Rick Chase offered a friendly amendment to add “designate an area somewhere in the park where permanent rides may be placed in the future.”

The friendly amendment was not accepted.

Motion failed with a 3-7 vote.

8. **Committee Reports:**

Urban Forestry Tree Committee: Sept. 4, 2018, *Rick Chase*

A. Action Items: None

B. The next regularly scheduled meeting is 4:15 p.m. Oct. 2, 2018, at the Woodland Center, Finch Arboretum.

Golf Committee: Sept. 11, 2018,

A. Bluebird Tree Care construction contract/Indian Canyon Golf Course tree work construction contract (\$52,305.60) – *Garrett Jones* presented the proposed construction contract with low bidder Bluebird Tree Care for tree work at Indian Canyon Golf Course in the amount of \$52,305.60.

Motion No. 4: Nick Sumner moved to approve the construction contract with Bluebird Tree Care for tree work at Indian Canyon Golf Course in the amount of \$52,305.60.

Rick Chase seconded.

Motion carried with unanimous consent.

B. The next scheduled meeting is 8 a.m. Oct. 9, 2018, Manito Park conference room, Manito Park.

Rick Chase left the meeting at 5 p.m.

Land Committee: Sept. 5, 2018, *Greta Gilman*

A. A.M. Cannon baseball field renaming – *Al Vorderbrueggen* presented a proposal to name the ballfield at A.M. Cannon after Rick Harris. *Kim Ferraro*, West Central Community Center executive director, and *Victor Frazier*, passed board member at WCCC, addressed the board explaining the outstanding contributions Mr. Harris has contributed to youth and the community during his 27 years at the WCCC. Members of the West Central Community Development Association and the West Central Neighborhood supported the naming proposal.

Motion No. 5: Mike Fagan moved to deem Rick Harris as an outstanding contributor to Parks and Recreation in the city of Spokane.

Jennifer Ogden seconded.

Motion carried with unanimous consent.

B. AHBL Inc. contract/Manito Mirror Pond renovation design (\$68,370) – *Garrett Jones* presented an overview of the AHBL contract to collect pond data, conduct pond analysis, produce a pre-design report and create complete construction documents for the Manito Park Mirror Pond project for a total amount not to exceed \$68,370, including all applicable tax.

Motion No. 6: Greta Gilman moved to approve the renovation design contract with AHBL Inc. in the amount not to exceed \$68,370, including all applicable tax.

Gerry Sperling seconded.

Motion carried with unanimous consent.

C. The Trust for Public Lands contribution agreement/Dutch Jakes Park – *Garrett Jones* presented The Trust for Public Lands contribution agreement relating to Dutch Jakes Park. This is the finalized agreement building off the previous Letter of Intent approved by the Park Board which illustrates The Trust of Public Lands will contribute \$200,000 to the Parks Division to be used for improvements at Dutch Jakes Park.

Motion No. 7: Greta Gilman moved to approve the contribution agreement with The Trust for Public Lands for improvements at Dutch Jakes Park.

Chris Wright seconded.

Motion carried with unanimous consent.

D. Mike Terrell Landscape Architecture contract extension and amendment/Dutch Jakes Park (\$36,444.40) – *Garrett Jones* presented the proposed contract extension and amendment with Mike Terrell Landscape Architecture to complete construction documents and construction administration for the Dutch Jakes Park renovation in West Central Spokane for an additional cost not to exceed \$36,444.40.

Motion No. 8: Greta Gilman moved to approve the contract extension and amendment with Mike Terrell Landscape Architecture for work at Dutch Jakes Park in the amount not to exceed \$36,444.40.

Sally Lodato seconded.
Motion carried with unanimous consent.

E. The next scheduled meeting is 3 p.m. Oct. 3, 2018, Manito Park meeting room, 1702 S. Grand Blvd.

Recreation Committee: Sept. 10, 2018, *Sally Lodato*

A. Action Items: None

B. The next scheduled meeting is 5:15 p.m. Oct. 4, 2018, Park Operations lunch room, 2304 E. Mallon.

Riverfront Park Committee: Sept. 10, 2018, *Ted McGregor*

A. Riverfront Park redevelopment update – *Garrett Jones* presented an update on the progress of the Riverfront Park redevelopment project. Highlights included: 1) Pavilion – creating the elevated terraced seating; 2) Promenades – Blue Bridge work is underway; 3) north bank playground – Bernardo | Wills Architects were selected for the north bank design and public outreach on concepts are scheduled for this fall; and 4) Stepwell – geotechnical survey and accessibility planning has been completed.

B. Bernardo | Wills Architects contract amendment #1/traffic signal/intersection design (\$60,000) – *Berry Ellison* presented a proposed contract amendment with Bernardo | Wills Architects (BWA) for traffic signal and intersection design. The city Traffic Department requires intersection improvements to support the north bank parking lot(s). Intersection improvements were not included in the base contract with BWA and are an additional scope of work. The RFP project management office is working with Traffic and Public Works departments to secure funding for improvements and construction of the intersection. The total design and construction cost is expected to be \$800,000. Mr. Ellison explained the ask is for 30% of the total project cost. The 30% design would establish the footprint of the study recommendation for determining right-of-way and material needs. Mr. Ellison noted the word “draft” will be deleted from the supporting documents.

Motion No. 9: Ted McGregor moved to approve contract amendment #1 with Bernardo | Wills Architects for traffic signal and intersection design in the amount \$60,000 in only time and materials up to 30% design.

Gerry Sperling seconded.

Greta Gilman recused herself from the vote as to avoid a conflict of interest.

Motion carried with unanimous consent.

C. Garco Construction change order #8/Pavilion and Promenade (\$58,805) – *Berry Ellison* presented a proposed change order #8 with Garco Construction in the amount of \$58,805, plus tax. The city of Spokane IT Department has offered to fund the change order to incorporate WiFi infrastructure/city data network, on the Centennial Trail in Riverfront Park. No bond dollars will be utilized to cover the change order.

Motion No. 10: Ted McGregor moved to approve change order #8 with Garco Construction in the amount of \$58,805, plus tax.

Gerry Sperling seconded.

Motion carried with unanimous consent.

D. The next scheduled meeting is 8:05 a.m. Oct. 8, 2018, in the City Council Briefing Center.

Finance Committee: Sept. 11, 2018, *Chris Wright*

A. Action Items: None

B. The next regularly scheduled meeting is 3 p.m. Oct. 9, 2018, City Conference Room Lobby - Tribal, first floor City Hall.

Bylaws Committee: *Jennifer Ogden*

A. Action Items: None

9. **Reports:**

Park Board President: *Nick Sumner*

1. No report given.

Liaisons:

1. Conservation Futures Liaison – No report given.
2. Parks Foundation Liaison – No report given.
3. Council Liaison – *Mike Fagan* invited citizens to attend the City Council Town Hall meeting Sept. 17 at the Northeast Community Center, 4001 N. Cook Street.

Director: *Jason Conley*

1. Jason Conley thanked Jonathan Moog for his outstanding work on the north bank rides complex feasibility study. Mr. Conley also recognized Park Operations equipment manager/shop foreperson Larry Marsh who was recently received a Five Star Enviro certified status for the work his efforts in reducing pollution and hazardous waste.
2. Mr. Conley reported Riverfront Park was featured in the September Parks and Rec Business publication.
3. Mr. Conley thanked the individuals who attended the Bill Fearn Conservation Area dedication.

10. **Correspondence:**

A. Letters/emails: Amusement rides
Looff Carrousel hours
Bemiss Neighborhood
Grant Park concerns

B. Newsletters: Hillyard Senior Center

11. **Public Comments:** None

12. **Executive Session:** None

13. **Adjournment:** The meeting adjourned at 5:44 p.m.

14. **Meeting Dates:**

- A. Next Committee meeting dates:
Urban Forestry Committee: 4:15 p.m. Oct. 2, 2018, Woodland Center, Finch Arboretum
Land Committee: 3 p.m. Oct. 3, 2018, Manito Park meeting room, 1702 S. Grand Blvd.
Recreation Committee: 5:15 p.m. Oct. 4, 2018, Park Operations Complex, 2304 E. Mallon
Riverfront Park Committee: 8:05 a.m. Oct. 8, 2018, City Council Briefing Center
Golf Committee: 8 a.m. Oct. 9, 2018, Manito Park meeting room, Manito Park

Finance Committee: 3 p.m. Oct. 9, 2018, City Conference Room Lobby - Tribal, first floor City Hall

- B. Next Park Board: 3:30 p.m. Oct. 11, 2018, City Council Chambers
- C. Park Board Study Session: No session scheduled at this time.

Minutes approved by:

A handwritten signature in black ink, appearing to read 'Leroy Eadie', is written over a horizontal line.

Leroy Eadie, Director of Parks and Recreation

**CITY OF SPOKANE PARK AND RECREATION DEPARTMENT
SEPTEMBER 2018 EXPENDITURE CLAIMS
FOR PARK BOARD APPROVAL - OCTOBER 5, 2018**

PARKS & RECREATION:

SALARIES & WAGES	\$	894,644.20
MAINTENANCE & OPERATIONS	\$	743,421.88
CAPITAL OUTLAY	\$	(363,158.05)
PARK CUMULATIVE RESERVE FUND	\$	-

RFP BOND 2015 IMPROVEMENTS:

CAPITAL OUTLAY	\$	1,248,151.05
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GOLF:

SALARIES & WAGES	\$	156,414.68
MAINTENANCE & OPERATIONS	\$	230,054.57
CAPITAL OUTLAY	\$	-

TOTAL EXPENDITURES:	\$	2,909,528.33
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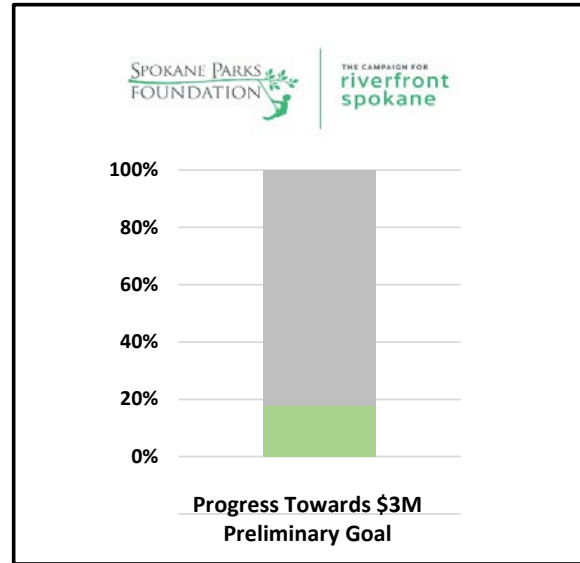
Spokane Park Board October 2018 – February 2019	Term Ends	Riverfront	Golf	Land	Recreation	Finance	Urban Forestry	Bylaws	Riverfront Park Executive Team	Joint Arts	Liaisons
Sumner, Nick – President nsumner@spokanecity.org	2020		✓					✓	✓		CF
Chase, Rick – Vice President rchase@spokanecity.org	2022	✓	✓				Chair				
Chris Wright cwright@spokanecity.org	2019				✓	Chair	Alternate		✓	✓	
McGregor, Ted tmcgregor@spokanecity.org	2020	Chair			✓				✓	✓	PF
Gilman, Greta ggilman@spokanecity.org	2023			Chair	✓	✓			✓		
Vacant	2022										
Sally Lodato slodato@spokanecity.org	2022			✓	Chair			✓			
Ogden, Jennifer jmogden@spokanecity.org	2021	✓		✓			✓	Chair		✓	
Gerry Sperling gsperling@spokanecity.org	2019	✓	Chair			✓					
Jamie SiJohn jsijohn@spokanecity.org	2023	✓		✓							
Fagan, Mike mfagan@spokanecity.org	N/A			✓							Council

PF = Spokane Parks Foundation

CF = Conservation Futures

Summary of \$3M Campaign	
Campaign Goal	\$3,000,000
Pledged to Date	\$533,050
Balance to Raise	\$2,466,950
Percent Pledged	17.8%

Insiders Campaign	
Percent Participation	
SPF Board and Staff	60%
CSC	81%
SPB	70%



Insiders Campaign	
Completed by 9/1/2018	
Benchmark Goal	\$200,000
Balance to be Raised	Goal Surpassed

Lead Gifts	
Completed by 6/1/2019	
Benchmark Goal	\$2,050,000
Balance to be Raised	\$1,550,000

Major Gifts	
Completed by 6/1/2019	
Benchmark Goal	\$950,000
Balanced to be Raised	\$940,000

Summary of Gifts by Giving Level						Summary of Pipeline by Giving Level				
Gift Size	Gifts Needed	Category Total	% of Total	Gifts to Date	\$ Raised	Prospects Needed	Balance Remaining	<u>Solicitations Made</u>	Low Estimate from <u>Qualified Prospects</u>	High Estimate from <u>Qualified Prospects</u>
Lead Gifts										
\$1,000,000	1	\$1,000,000	68%	0	\$0	4	\$1,000,000		\$500,000	\$1,000,000
\$500,000	1	\$500,000		1	\$500,000	4	\$0		\$500,000	\$1,500,000
\$250,000	1	\$250,000		0	\$0	4	\$250,000		\$250,000	\$1,000,000
\$100,000	3	\$300,000		0	\$0	12	\$300,000		\$200,000	\$400,000
Major Gifts										
\$50,000	8	\$400,000	25%	0	\$0	24	\$400,000		\$200,000	\$500,000
\$25,000	10	\$250,000		0	\$0	30	\$250,000		\$150,000	\$500,000
\$10,000	10	\$100,000		1	\$10,000	27	\$90,000		\$50,000	\$150,000
Community Gifts										
\$5,000	15	\$75,000	7%	1	\$6,000	42	\$69,000		\$25,000	\$50,000
\$1,000	30	\$30,000		7	\$14,000	69	\$16,000		\$20,000	\$50,000
Up to \$999	Many	\$95,000		9	\$3,050	Many	\$91,950		\$50,000	\$100,000
TOTAL	100+	\$3,000,000	100%	19	\$533,050		\$2,466,950		\$1,945,000	\$5,250,000



September 24, 2018

Mr. Berry Ellison
City of Spokane Parks & Recreation
808 W Spokane Falls Blvd # 5
Spokane, WA 99201

**Re: Proposal of Professional Services for Riverfront Park, North Bank Regional Playground;
Amendment No. 2 - Wheels Park and Signature Basketball Court.**

Dear Berry:

This amendment to the Consultant Agreement between the City of Spokane Parks and Recreation Department and Bernardo|Wills Architects, P.C. Dated August 27, 2018 is intended to expand consultant services to include the Wheels Park designed by Grindline and the design work for the Basketball Court design plans, details, specifications and construction administration services.

Project Understanding and Scope Elements

The wheels park will be roughly 5,236 square feet and comprised of inclusive concrete features for users of all ages. The wheels park budget is two hundred eighty-eight thousand and 00/100 (\$288,000.00) and the park will be located at the northeastern portion of the project. There will be 2 public engagement communities meetings during the design process and construction drawing reviews will be at 50%, 90% and 100%. Bidding assistance and construction administration is also included with four (4) site visits by Grindline during construction.

The signature basketball court will be designed with safety and multi-use in mind. Design will include interaction with stakeholder groups, seating opportunities, multi-use functionality, shade, buffers and consideration of adjacencies. Grading will be designed to minimize potential for ponding.

Professional Fees

BWA proposes to complete the **Amendment No. 2 – Wheels Park design/Basketball Court contract documents for a lump sum fee of \$30,800.00** (Thirty Thousand, Eight Hundred sand 00/dollars).

Please feel free to call us at any time should you have any questions or require further clarification.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dell Hatch'.

Dell Hatch, ASLA
BWA Landscape Architecture/Urban Design/Planning

A handwritten signature in black ink, appearing to read 'William LaRue'.

William LaRue, ASLA
Landscape Arc



Design-Build Change Order Form

For Use with DBIA Document No. 525, *Standard Form of Agreement Between Owner and Design-Builder – Lump Sum* (2010 Edition) and DBIA Document No. 530, *Standard Form of Agreement Between Owner and Design-Builder – Cost Plus Fee with an Option for A Guaranteed Maximum Price* (2010 Edition)

Change Order Number: 9	Change Order Effective Date: 10/15/18 (date when executed by both parties)
Project: PAVILION DESIGN BUILD PROJECT	Design-Builder's Project No: 172100
	Date of Agreement: APRIL 13, 2017
Owner: CITY OF SPOKANE - PARKS & RECREATION DIVISION	Design-Builder: GARCO CONSTRUCTION, INC.

	<u>AREA</u>	<u>DESCRIPTION OF CHANGE</u>	<u>AMOUNT</u>
Item 1	PROM	Blue Bridge – Cost to deal with Lead Paint	\$ 8,970
Item 2	PROM	Blue Bridge – Repair NE Abutment	\$ 11,079
Item 3	PROM	Add Polymer Sand and Seal Pavers & Concrete	\$ 36,081
Item 4	PAV	Storm Water Permit Charges	\$ 670
Item 5	PAV	RFP#1A – Added IT Scope (Changed from OFOI to CFCI) + 16 Calendar Days.	\$ 380,098
Item 6	PAV	RFP#6 – Added Sky Room Balconies and Doors	\$ 116,232
Item 7	PAV	RFP#10 – Design/Install for Rough In of Added Signage	\$ 38,278
	PAV	RFP#7 – Permit Review Changes	
Item 8	PAV	RFP#7 – Added Ticket Window plus Electrical	\$ 5,576
Item 9	PAV	RFP#7 – Rough In for Event Prep Room Monitors	\$ 1,412
Item 10	PAV	RFP#7 – Rough In Mechoshades at Office Areas	\$ 12,115
Item 11	PAV	RFP#7 – Increase Size of Storage Under the Stairs	\$ 1,249
Item 12	PAV	RFP#7 – Add 2 Conduits from Event Comm Room	\$ 12,549
Item 13	PAV	RFP#7 – Add 7 Utility Posts (Including RFP#5 Adds)	\$ 90,613
Item 14	PAV	RFP#7 – Add 2nd Event Power in NW Corner of Central Plaza	\$ 11,437

Item 15	PAV	Add/Modify Lockers	\$ 10,902
Item 16	PAV	Added Panel to Service Yard for RVs & Buses	\$ 6,111
Item 17	PAV	Added Signage Infrastructure	\$ 14,224
		TOTAL AMOUNT	\$ 757,596

Original Contract Price: \$ **14,500,000**

Net Change by Previous Change Orders: \$ **3,217,442**

Net Change by GMP Amendment: \$ **4,150,000**

Net Change by Change Order No 9 : \$ **757,596**

New Contract Price: \$ **22,625,038**

Original Contract Substantial Completion Date: **May 30, 2019**

Adjustments by Previous Change Orders: **30** (calendar days)

Adjustments by Change Order No 9 : **16** (calendar days)

Revised Scheduled Substantial Completion Date **July 15, 2019**

By executing this Change Order, Owner and Design-Builder agree to modify the Agreement's Scope of Work, Contract Price and Contract Time as stated above. Upon execution, this Change Order becomes a Contract Document issued in accordance with DBIA Document No. 535, *Standard Form of General Conditions of Contract Between Owner and Design-Builder*, (2010 Edition).

OWNER:

By: _____

Printed Name: _____

Title: _____

Date: _____

DESIGN-BUILDER:

By: _____

Printed Name: _____

Title: _____

Date: _____

Mead, Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Friday, August 17, 2018 3:52 PM
To: Mead, Lorraine
Cc: Serbousek, Mark
Subject: FW: Howard Street Bridge Paint Chip Sampling
Attachments: 1815819f.pdf

Good Afternoon Mark/Lorraine,

Please see attached and below from Erik and let us know how you would like us to proceed.

Thanks,

JOSH GRIGSBY
GARCO CONSTRUCTION | Project Manager
o: (509) 535-4688 |
c: (509) 953-8456 | joshg@garco.com

From: Erik Wick
Sent: Friday, August 17, 2018 11:50 AM
To: Tim Loucks <tloucks@garco.com>; Josh Grigsby <joshg@garco.com>; Jeremy Sweatt <jeremys@garco.com>; Rick Vick <rvick@garco.com>
Subject: FW: Howard Street Bridge Paint Chip Sampling

Josh,

See attached and the results below regarding lead testing. The steel columns that were worked on last fall came in below the threshold, but the overhang brackets we have to cut off tested well above as noted. I did not test the bearing shims that we need to cut loose from the brackets to remove the sidewalks. We'll probably need to do further testing once Rick gets some access established below, but I'm thinking that portion will have lead in it as well from the results we received. I'll be onsite Monday morning after our office staff meeting, and we can discuss further then.

Regards,

Erik Wick, PE
Garco Construction, Inc.
4114 E. Broadway Ave.
Spokane, WA 99202
Office - (509) 255-8201
Cell - (509) 863-8759
Fax - (509) 535-1384

From: Scott Groat <sgroat@efulcrum.net>
Sent: Friday, August 17, 2018 10:59 AM

To: Erik Wick <erikw@garco.com>

Cc: Kelsey Best <kbest@efulcrum.net>; Amanda Biondi <Amanda.Biondi@efulcrum.net>

Subject: Howard Street Bridge Paint Chip Sampling

Hi Erik,

Attached are the analytical results from the paint chip sampling we conducted on Wednesday. Below is a summary table outlining the results of the inspection.

Sample Number	Sampled Location ¹	Paint Color	Identified Component	Results in mg/Kg	Results in Percent (%)
HSB-081518-PC01	Southern metal bridge at upper level structural beam north area west side	Light blue	Metal	<150	<0.015
HSB-081518-PC02	Southern metal bridge at upper level structural beam north area west side	Light blue	Metal	<63	<0.0063
HSB-081518-PC03	Southern metal bridge at lower level structural beam south area west side	Light blue	Metal	2,500	0.25
HSB-081518-PC04	Southern metal bridge at lower level structural beam south area west side	Light blue	Metal	1,300	0.13

¹ – Locations identified in the table reflect locations sampled and may not represent all locations of identified materials.

Bold – Analytical results reported as greater than established worker protection threshold.

Results of the inspection indicate that painted components associated with the southern metal bridge lower level structural beams, have lead in amounts greater than or equal to the general guideline for worker exposure risk of 600 mg/Kg. These materials are classified as a lead containing material and are regulated under DOSH worker safety regulations specified in Washington Administrative Code 296-155-176.

We will follow up with a formal report shortly and if you have any questions, please feel free to let us know.

Thank you,

Scott Groat
Environmental Technician



experience balance commitment

sgroat@efulcrum.net p: 509.459.9220 f: 509.459.9219

207 West Boone Avenue, Spokane, Washington 99201



Env2 is a renewable communications tool

August 17, 2018

Scott Groat

Fulcrum Environmental Consulting, Inc.

207 W. Boone Ave.

Spokane, WA 99201



INDUSTRIAL
HYGIENE
SERVICES

Laboratory | Management | Training

RE: Metals Analysis; NVL Batch # 1815819.00

Dear Mr. Groat,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846 -3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm² by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft². TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m³. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested and are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. if you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director



LAB # 101861

1.888.NVL.LABS

1.888.(685.5227)

www.nvllabs.com

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

**Analysis Report****Total Lead (Pb)**

Client: Fulcrum Environmental Consulting, Inc.

Address: 207 W. Boone Ave.
Spokane, WA 99201**Batch #: 1815819.00**

Matrix: Paint

Method: EPA 3051/7000B

Client Project #: Howard Street Bridge-Paint Chip P2018409.00

Date Received: 8/16/2018

Samples Received: 4

Samples Analyzed: 4

Attention: Mr. Scott Groat

Project Location: Howard Street Bridge, Spokane, WA

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
18080989	HSB-081518-01	0.0684	150	< 150	<0.015
18080990	HSB-081518-02	0.1580	63	< 63	<0.0063
18080991	HSB-081518-03	0.1520	66	2500	0.25
18080992	HSB-081518-04	0.1090	92	1300	0.13

Sampled by: Client

Analyzed by: Shalini Patel

Reviewed by: Nick Ly

Date Analyzed: 08/16/2018

Date Issued: 08/17/2018

A handwritten signature in black ink, appearing to read 'Nick Ly'.

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 2018-0816-01

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

LEAD LABORATORY SERVICES

Company Fulcrum Environmental Consulting, Inc. **NVL Batch Number** 1815819.00
Address 207 W. Boone Ave. **TAT** 1 Day **AH** No
Spokane, WA 99201 **Rush TAT**
Project Manager Mr. Scott Groat **Due Date** 8/17/2018 **Time** 9:40 AM
Phone (509) 459-9220 **Email** Sgroat@efulcrum.net
Fax (509) 459-9219

Project Name/Number: Howard Street Bridge-Paint Chip P2018409.00 **Project Location:** Howard Street Bridge, Spokane, WA

Subcategory Flame AA (FAA)**Item Code** FAA-02 **EPA 7000B Lead by FAA <paint>****Total Number of Samples** 4**Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	18080989	HSB-081518-01		A
2	18080990	HSB-081518-02		A
3	18080991	HSB-081518-03		A
4	18080992	HSB-081518-04		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	UPS				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Emily Schubert		NVL	8/16/18	940
Analyzed by	Shalini Patel		NVL	8/16/18	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
Special Instructions:					

Date: 8/16/2018

Time: 10:06 AM

Entered By: Emily Schubert

1815819

INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

METALS CHAIN OF CUSTODY

Turn Around Time

- ☐ 2 Hour ☐ 4 Hours ☒ 24 Hours
☐ 2 Days ☐ 3 Days ☐ 4 Days
☐ 5 Days ☐ 6-10 Days

Please call for TAT less than 24 Hours

Company Fulcrum Environmental
 Address 207 West Boone Ave.
Spokane, WA 99201
 Phone 509-459-9220

Project Manager Scott Groat
 Cell (708) 990-5507
 Email Sgroat@efulcrum.net
 Fax ()

Project Name/Number Howard Street Bridge - Paint Chip
P2018409.00 Project Location Howard Street Bridge, Spokane, WA

☐ Total Metals ☒ AA (ppm) ☐ Air Filter ☒ Paint Chips (%) ☐ Soil RCRA 8 RCRA 11
☐ TCLP ☐ ICP (PPM) ☐ Paint Chips (cm) ☐ Dust Wipes ☐ Barium ☐ Chromium ☐ Silver ☐ Copper
☐ GFAA (ppb) ☐ Drinking Water ☐ Waste Water ☐ Arsenic ☐ Mercury ☐ Lead ☐ Zinc
☐ CVAAs (ppb) ☐ Other FAA-02 paint chips ☐ Selenium ☐ Cadmium ☐ Other

Reporting Instructions

☐ Call () ☐ Fax () ☒ Email Sgroat@efulcrum.net

Total Number of Samples 4

	Sample ID	Description	A/R
1	HSB-081518-01	light blue paint on upper metal structural beam	
2	-02	↓	
3	-03	light blue paint on lower metal structural beam	
4	-04	↓	
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	Scott Groat	<i>Scott Groat</i>	Fulcrum Environmental	08/15/18	1130
Relinquish by	Scott Groat	<i>Scott Groat</i>	Fulcrum Environmental	08/15/18	1130

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Emilia S	<i>Emilia S</i>	NVL	8/16/18	940
Analyzed by					
Called by					
Faxed/Email by					



Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Direct Costs - See attached Breakdown	1.0	LS	2,687	4,944			2,687	4,944	-		7,631
SUB-TOTALS								2,687	4,944	-	-	7,631
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				1,145
								OH&P: on Garco (as subcontractor) subcontracted work				-
								SUB-TOTAL				8,776
								Insurance				88
								Bond Premium				66
								SUB-TOTAL				8,929
								B & O Tax				41
								TOTAL - POTENTIAL CHANGE ORDER				\$ 8,970

SPECIFIC EXCLUSIONS:

1. WSST

CHANGE ORDER ESTIMATE

CONTRACTOR: GARCO CONSTRUCTION, INC.

Howard Mid Channel Bridge Sidewalk Removal

DESCRIPTION OF WORK: Lead Paint Handling

DIRECT COSTS


LABOR NAME	OCCUPATION	STRAIGHT TIME		OVERTIME		AMOUNT
		HOURS	RATE	HOURS	RATE	
Superintendent Blood Testing	Ironworker Foreman	5	\$71.00			\$355.00
Ironworker Blood Testing (4 personnel)	Ironworker	20	\$68.00			\$1,360.00
Laborer Blood Testing (2 personnel)	Laborer	10	\$36.00			\$360.00
Ironworker Med Testing for Respirator Use (3 personnel)	Ironworker	9	\$68.00			\$612.00
LABOR TOTAL						\$2,687.00
SUPPLIES AND MATERIALS		QUANTITY	UNIT		PRICE/UNIT	AMOUNT
Grainger Welding Supplier Air System		2	EA		\$ 1,537.00	\$3,074.00
Blood Testing from Arc Point Labs (2 tests per employee)		14	EA		\$ 80.00	\$1,120.00
Air Monitoring by Mountain Consulting		1	LS		\$ 750.00	\$750.00
MATERIAL TOTAL						\$4,944.00
EQUIPMENT RENTAL STANDBY TIME		ATTACHMENTS	HOURS	STANDBY RATE		AMOUNT
						\$0.00
						\$0.00
EQUIPMENT STANDBY TOTAL						\$0.00
OPERATED EQUIPMENT		ATTACHMENTS	HOURS	OPERATED RATE		AMOUNT
OPERATED EQUIPMENT TOTAL						\$0.00
SUBCONTRACTOR		QUANTITY	UNIT		UNIT PRICE	AMOUNT
SUBCONTRACTOR TOTAL						\$0.00

LABOR SUMMARY		\$ 2,687.00
EQUIPMENT RENTALS SUMMARY		\$ -
OPERATED EQUIPMENT SUMMARY		\$ -
SUPPLIES AND MATERIALS SUMMARY		\$ 4,944.00
SUBCONTRACTOR SUMMARY		\$ -
Small Tool Allowance % of Labor	2.00%	\$ -
State Sales Tax on Material & Equipment	7.80%	
TOTAL		\$ 7,631.00

Safety | Respiratory | PAPR | Welding Supplied Air System,Lithium Ion

 Email  Print

Welding Supplied Air System,Lithium Ion

Item # **48WL49** Mfr. Model # **25-5702-30iSW** Catalog Page # **N/A** UNSPSC # **46182007**Web Price **\$1,537.00** / each☒ Shipping ☐ Pickup Ships from supplier.
Expected to arrive on or
before **Tue. Sep 11.**Ship To **99201** ([Change](#))☐ Auto-Reorder Every**1 Month** ☒ Deliver one time only

Qty

1**ADD TO CART**Item
Welding
Supplied Air
SystemPAPR Mount
Belt-MountedMask Size
Universal

Categories based on your search



Safety



Respiratory



PAPR

Other products based on your search



3M SPEEDGLAS

PAPR
System,Lithium
Ion,Adj.,HE Filter**VIEW**Web Price **\$2,145.00** / each

Includes
Storage Bag,
Welding Cap,
Starter Kit

Battery Type
Lithium-Ion

Cartridges
Included
No

Intrinsically
Safe
No

Suspension
Adjustable

Headgear
Included
Yes

For Use With
3M(TM) Adflo
(TM) Air
Sources

Window
Material
Auto-
Darkening

Standards
ANSI
Z87.1-2010,
NIOSH

**VIEW PRODUCT
DETAILS**



3M SPEEDGLAS

Welding
Supplied Air
System,Belt-
Mount

VIEW

Web Price ⓘ
\$1,665.00 / each



3M SPEEDGLAS

Welding
Supplied Air
System,Belt-
Mount

VIEW

Web Price ⓘ
\$1,740.00 / each



3M SPEEDGLAS

Welding PAPR
System,Belt-
Mounted

VIEW

Web Price ⓘ
\$2,762.00 / each



Hill International

8/29/18

Lead Paint on Blue Bridge

Based on the backup labor hours and materials – this pricing seems reasonable for this work.

Lorraine Mead

ITEM #2



September 12, 2018

RE: Howard Street Mid-Channel Bridge Sidewalk Removal

SUBJECT: North Abutment Modification Pricing

Following removal of the northeast approach sidewalk section, Garco has investigated the suitability of the existing bridge abutment for supporting the beam that carries the waterline. Reference the attached pictures for the existing conditions. The abutment has been added on to a couple of times, and those portions are in bad repair as well as conflicting with the details for the beam support in our plans. After a field review with Mark Serbousek, City of Spokane, Garco is proposing the following steps be taken to address this issue (reference attachments shown in the North Abutment Repair Package file):

- Remove the added concrete pours and existing steel post as shown on the Demolition Limits picture.
- Patch and grout the existing concrete surface as necessary to produce a uniform profile as shown in the Repair Plan.
- Dowel rebar, form and place a concrete plinth as shown in the Repair Plan and Plinth Details.

Garco has prepared an estimate of costs to perform this scope of work, and it is attached. Due to poor access, a boom truck and manbasket will be necessary to perform a significant amount of the work, which significantly affects the cost. The total estimated cost is \$11,079. Please review and advise if we should proceed with this work as shown.

Thanks for your assistance, and please contact me if you have any questions.

Regards,

TIM LOUCKS, PE

GARCO CONSTRUCTION | VP - Civil

o: (509) 535-4688 | d: (509) 755-7222

c: (509) 879-1481 | tloucks@garco.com



Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Direct Costs - See attached Breakdown	1.0	LS	3,650	3,275	2,500		3,650	3,275	2,500		9,425
SUB-TOTALS								3,650	3,275	2,500	-	9,425
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				1,414
								OH&P: on Garco (as subcontractor) subcontracted work				-
SUB-TOTAL											10,838	
Insurance								1.00% (of Subtotal)				108
Bond Premium								0.75% (of Subtotal)				81
SUB-TOTAL											11,028	
B & O Tax								0.47% (of Subtotal)				51
TOTAL - POTENTIAL CHANGE ORDER											\$ 11,079	

SPECIFIC EXCLUSIONS:

1. WSST

Howard St Bridge Sidewalk Removal

Garco Job #17-21-02

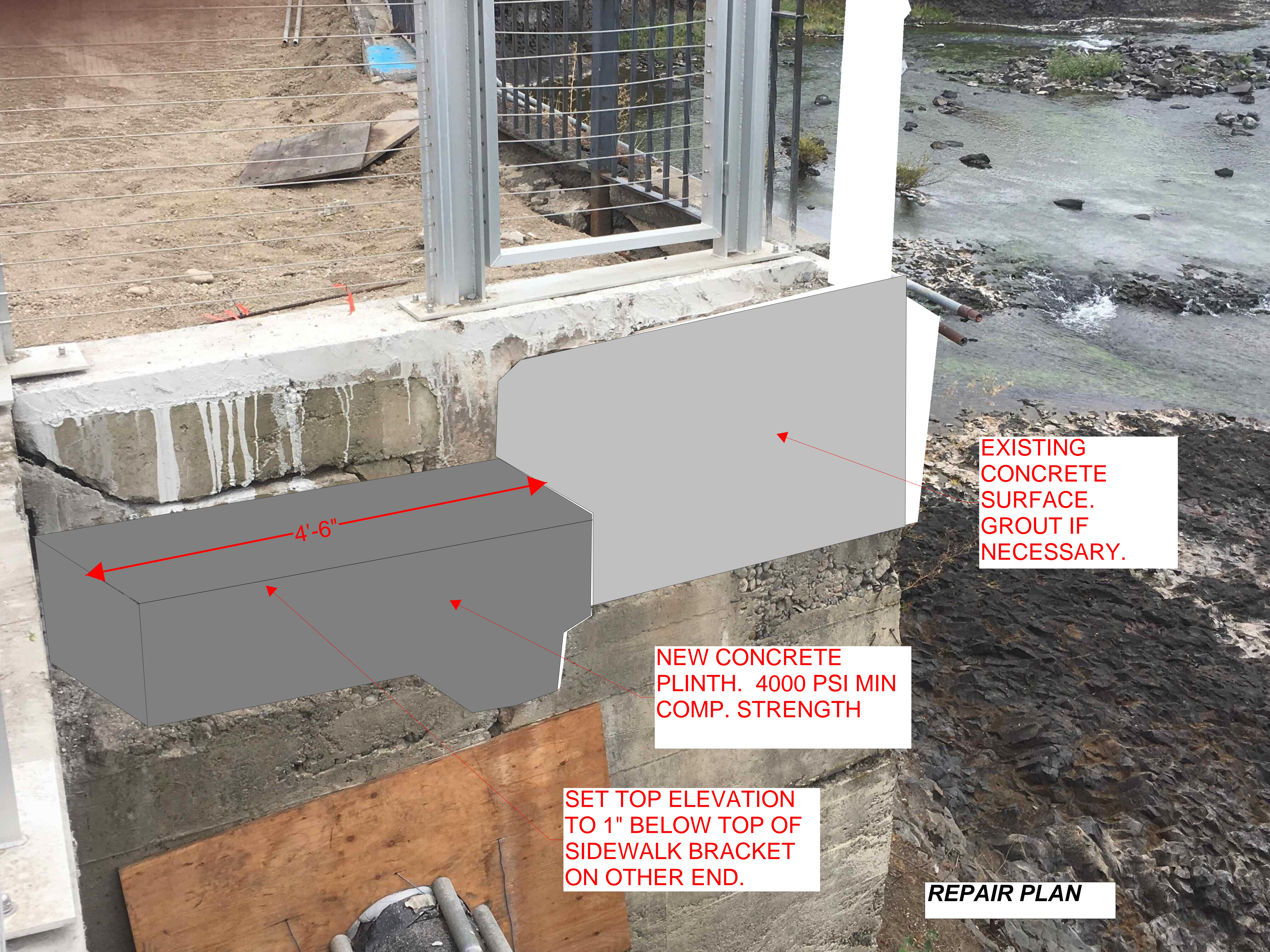
BI	Description	Qty	Unit	Direct Costs						Subcontractor Costs			
				Unit Prices			Item Totals			Unit Price	Subtotal	Prime Markup	Total w/ Markup
				Labor	Equip	Material	Labor	Equipment	Material				
	Demolition Labor - LAB	12	HR	\$ 45.06			\$ -	\$ -	\$ -		\$ -	12%	\$ -
	Grout Remaining Face & Patch Holes - CM	5	HR	\$ 49.20		\$ 75.00	\$ 246.00	\$ -	\$ 375.00		\$ -	12%	\$ -
	Drill & Install Rebar - IW	4	HR	\$ 67.14		\$ 350.00	\$ 268.56	\$ -	\$ 1,400.00		\$ -	12%	\$ -
	Form Plinth - CARP	8	HR	\$ 56.13		\$ 150.00	\$ 449.04	\$ -	\$ 1,200.00		\$ -	12%	\$ -
	Pour & Finish Plinth - LAB	2	HR	\$ 45.06			\$ 90.12	\$ -	\$ -		\$ -	12%	\$ -
	Furnish Concrete & Short Load Fee	1	CY			\$ 300.00	\$ -	\$ -	\$ 300.00		\$ -	12%	\$ -
	Strip Forms & Cleanup - CARP	4	HR	\$ 56.13			\$ 224.52	\$ -	\$ -		\$ -	12%	\$ -
	Boom Truck & Operator for Access (OP)	20	HR	\$ 51.25	\$ 110.00		\$ 1,025.00	\$ 2,200.00	\$ -		\$ -	12%	\$ -
	Forklift & Operator (IW)	12	HR	\$ 67.14	\$ 25.00		\$ 805.68	\$ 300.00	\$ -		\$ -	12%	\$ -
							\$ -	\$ -	\$ -		\$ -	12%	\$ -
	TOTAL DIRECT COSTS						\$ 3,649.64	\$ 2,500.00	\$ 3,275.00				\$ -





REMOVE

DEMOLITION LIMITS

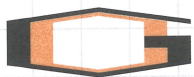


EXISTING
CONCRETE
SURFACE.
GROUT IF
NECESSARY.

NEW CONCRETE
PLINTH. 4000 PSI MIN
COMP. STRENGTH

SET TOP ELEVATION
TO 1" BELOW TOP OF
SIDEWALK BRACKET
ON OTHER END.

REPAIR PLAN



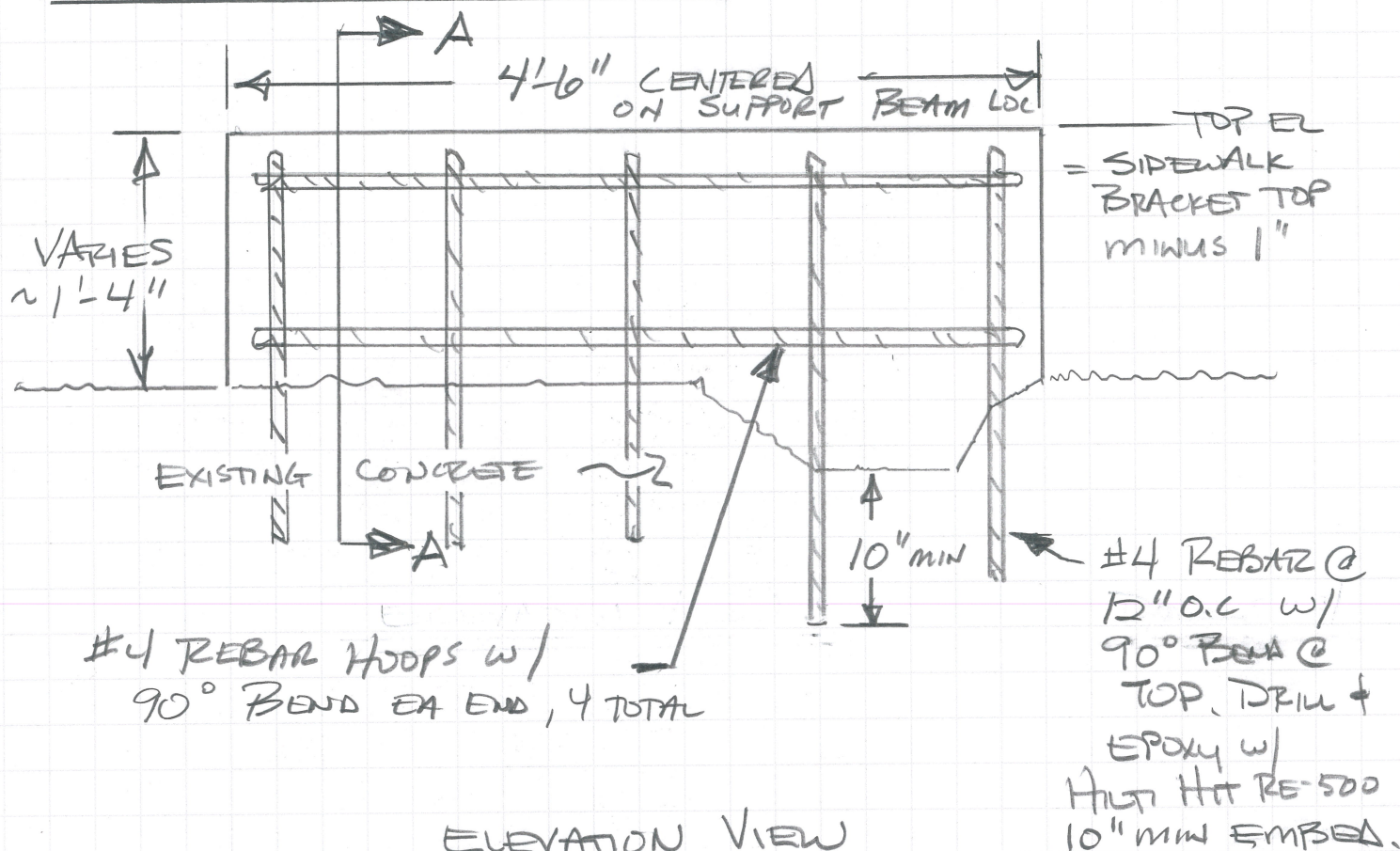
GARCO

www.garco.com

Spokane, WA | Tacoma, WA

Client: CITY OF SPOKANE Date: 9/11/18
 Project: HOWARD ST SW REM Project No: 17-21-02
 Subject: NORTH ABUTMENT Page: 1/2

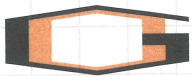
ADDED CONCRETE PLINTH FOR BEAM SUPPORT:



NOTES

- REBAR = #4 GR. 60
- EPOXY FOR DOWELS = HILTI HIT RE-500
- MINIMUM EMBEDMENT FOR DRILLED REBAR = 10"
- FIELD BEND REBAR AS REQUIRED.
- CONCRETE - 4000 PSI MINIMUM, 1" ϕ MAX AGGREGATE
- INSTALL ANCHOR BOLTS & GROUT PAD AS SHOWN ON SHEET D4, BEARING DETAIL 3/4 OF PLANS.

PLINTH DETAILS



GARCO

www.garco.com

Spokane, WA | Tacoma, WA

Client: _____

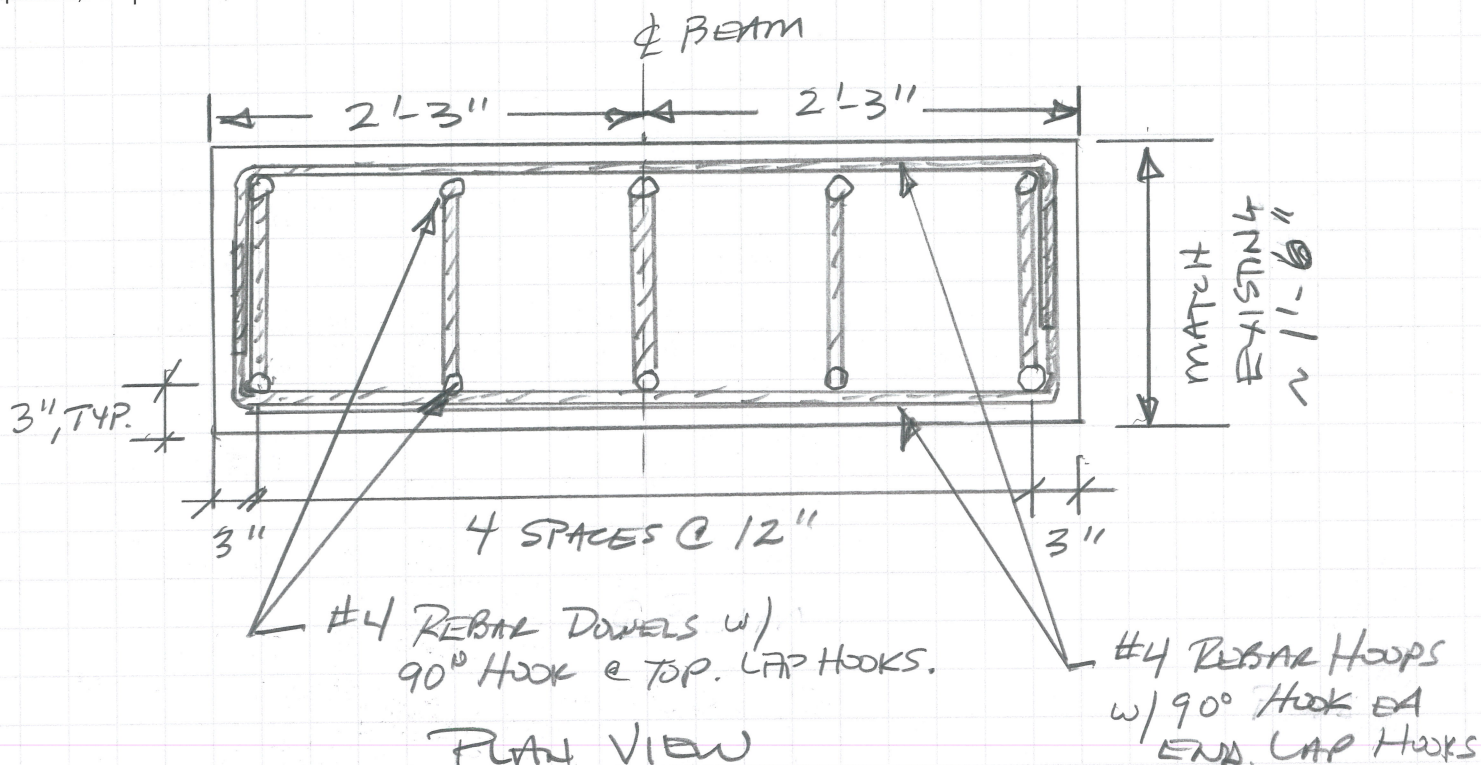
Project: _____

Subject: _____

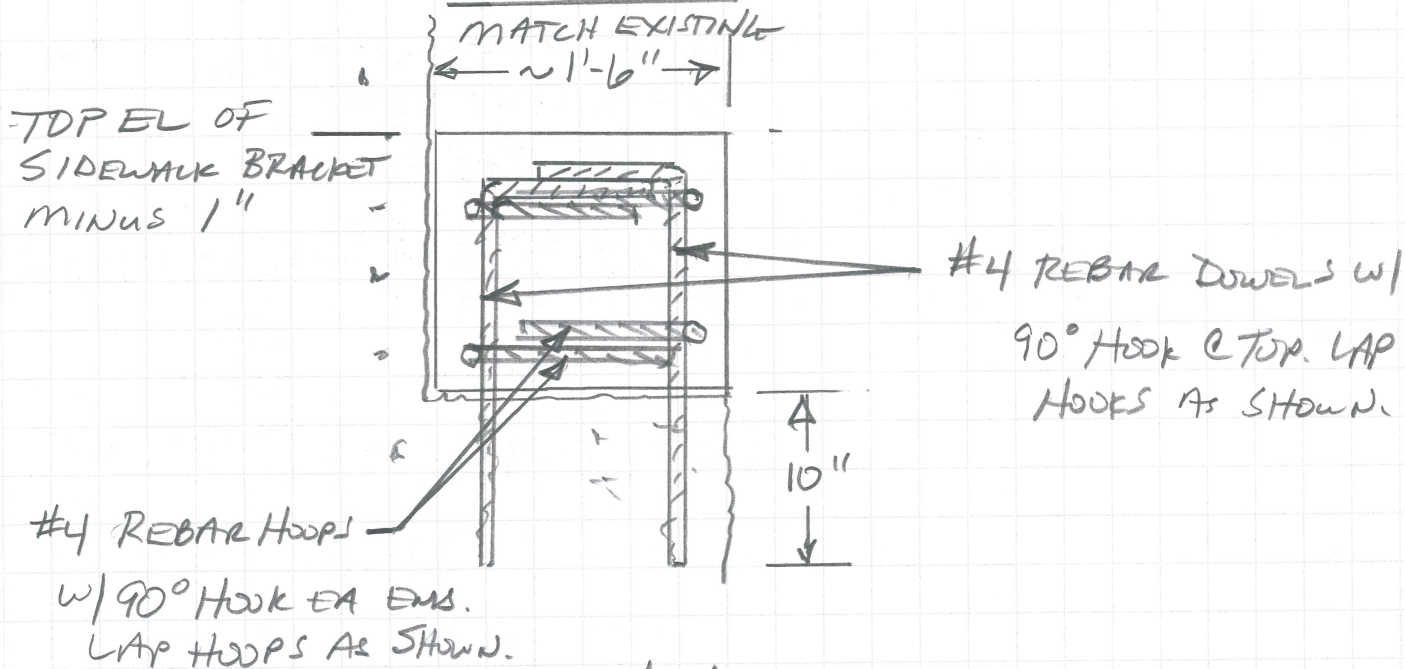
Date: 9/11/18

Project No: _____

Page: 2/2



PLAN VIEW



SECTION A-A

3.2.4 HIT-RE 500-SD Epoxy Adhesive Anchoring System

3.2.4.1 Product Description

3.2.4.2 Material Specifications

3.2.4.3 Technical Data

3.2.4.4 Installation Instructions

3.2.4.5 Ordering Information

Listings/Approvals

ICC-ES (International Code Council)
ESR-2322

NSF/ANSI Std 61
certification for use in potable water

European Technical Approval
ETA-07/0260, ETA-09/0295

COLA (City of Los Angeles)
RR25700



Independent Code Evaluation

IBC®/IRC® 2009

IBC®/IRC® 2006

IBC®/IRC® 2003

IBC®/IRC® 2000

FBC 2007

LEED® Credit 4.1-Low Emitting Materials

The Leadership in Energy and Environmental Design (LEED®) Green Building Rating system™ is the nationally accepted benchmark for the design, construction and operation of high performance green buildings.

3.2.4.1 Product description

HIT-RE 500-SD Adhesive Anchoring System is an injectable two-component epoxy adhesive. The two components are kept separate by means of a dual-cylinder foil pack attached to a manifold. The two components combine and react when dispensed through a static mixing nozzle attached to the manifold.

HIT-RE 500-SD Adhesive Anchoring System may be used with continuously threaded rod, Hilti HIS-N and HIS-RN internally-threaded inserts or deformed reinforcing bar installed in cracked or uncracked concrete. The primary components of the Hilti Adhesive Anchoring System are:

- HIT-RE 500-SD adhesive packaged in foil packs
- Adhesive mixing and dispensing equipment
- Equipment for hole cleaning and adhesive injection

Product features

- Superior bond performance
- Seismic qualified per IBC®/IRC® 2009, IBC®/IRC® 2006, IBC®/IRC® 2003 and IBC®/IRC® 2000. Please refer to ESR-2322 for Seismic Design Category A through F
- Use in diamond cored or pneumatic drilled holes
- Use underwater up to 165 ft (50 m)
- Meets requirements of ASTM C881-90, Type IV, Grade 2 and 3, Class A, B, C except gel times
- Meets requirements of AASHTO specification M235, Type IV, Grade 3, Class A, B, C except gel times
- Mixing tube provides proper mixing, eliminates measuring errors and minimizes waste
- Contains no styrene and virtually odorless
- Extended temperature range from 41°F to 104°F (5°C to 40°C)
- Excellent weathering resistance and resistant to elevated temperature.

HIT-RE 500-SD Epoxy Adhesive Anchoring System 3.2.4

Guide Specifications

Master Format Section:

Previous 2004 Format

03250 03 16 00 Concrete anchors

Related Sections:

03200 03 20 00 Concrete reinforcing

05050 05 50 00 Metal fabrications

05120 05 10 00 Structural metal framing

Injectable adhesive shall be used for installation of all reinforcing steel dowels or threaded anchor rods and inserts into existing concrete. Adhesive shall be furnished in side-by-side refill packs which keep component A and component B separate. Side-by-side packs shall be designed to compress

during use to minimize waste volume. Side-by-side packs shall also be designed to accept static mixing nozzle which thoroughly blends component A and component B and allows injection directly into drilled hole. Only injection tools and static mixing nozzles as recommended by manufacturer shall be used. Manufacturer's instructions shall be followed. Injection adhesive shall be formulated to include resin and hardener to provide optimal curing speed as well as high strength and stiffness. Typical curing time at 68°F (20°C) shall be approximately 12 hours.

Injection adhesive shall be HIT-RE 500-SD, as furnished by Hilti.

Anchor rods shall be end stamped to show the grade of steel and overall rod length. Anchor rods shall be manufactured to meet the following requirements:

1. HAS-E carbon steel
2. ASTM A193, Grade B7 (high strength carbon steel anchor)
3. AISI Type 304 or AISI Type 316 stainless steel meeting the requirements of ASTM F593 (condition CW)

Special order length HAS Rods may vary from standard product.

Nuts and washers of other grades and styles having specified proof load strength greater than the specified grade and style are also suitable. Nuts must have specified proof load strength equal to or greater than the minimum tensile strength of the specified threaded rod.

3.2.4.2 Material specifications

Table 1 - Material properties of fully cured HIT-RE 500-SD

Bond Strength ASTM C882-91		
2 day cure	12.4 MPa	1800 psi
7 day cure	12.4 MPa	1800 psi
Compressive Strength ASTM D695-96	82.7 MPa	12,000 psi
Compressive Modulus ASTM D695-96	1493 MPa	0.22 x 10 ⁶ psi
Tensile Strength 7 day ASTM D638-97	43.5 MPa	6310 psi
Elongation at break ASTM D638-97	2.0%	2.0%
Heat Deflection Temperature ASTM D648-95	63°C	146°F
Absorption ASTM D570-95	0.06%	0.06%
Linear Coefficient of Shrinkage on Cure ASTM D2566-86	0.004	0.004
Electrical resistance DIN IEC 93 (12.93)	6.6 x 10 ¹³ Ω/m	1.7 x 10 ¹² Ω/in.

Material Specifications for HAS threaded rods are listed in Section 3.2.4.2.

Material Specifications for HIS-N Internally Threaded Inserts are listed in Section 3.2.4.3.

3.2.4.3 Technical data

The load values contained in this section are Hilti Simplified Design Tables. The load tables in this section were developed using the strength design parameters and variables of ESR-1917 and the equations within ACI 318-11 Appendix D. For a detailed explanation of the Hilti Simplified Design Tables, refer to Section 3.1.7. Data tables from ESR-1917 are not contained in this section, but can be found at www.icc-es.org or at www.us.hilti.com.

3.2.4 HIT-RE 500-SD Epoxy Adhesive Anchoring System

3.2.4.3.1 HIT-RE 500-SD with reinforcing steel (rebar)

Figure 1 - Rebar installed with HIT-RE 500-SD adhesive

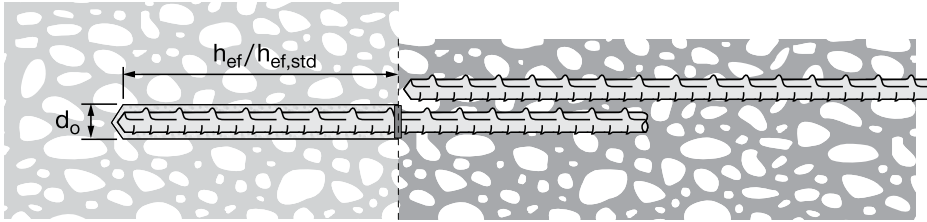


Table 2 - Rebar installed HIT-RE 500-SD adhesive

Setting information		Symbol	Units	Rebar size							
				3	4	5	6	7	8	9	10
Nominal bit diameter		d _o	in.	1/2	5/8	3/4	7/8	1	1-1/8	1-3/8	1-1/2
Standard effective embedment		h _{ef,std}	in. (mm)	3-3/8 (86)	4-1/2 (114)	5-5/8 (143)	6-3/4 (171)	7-7/8 (200)	9 (229)	10-1/8 (257)	11-1/4 (286)
Effective embedment	minimum	h _{ef,min}	in. (mm)	2-3/8 (60)	2-3/4 (70)	3-1/8 (79)	3-1/2 (89)	3-1/2 (89)	4 (102)	4-1/2 (114)	5 (127)
	maximum	h _{ef,max}	in. (mm)	7-1/2 (191)	10 (254)	12-1/2 (318)	15 (381)	17-1/2 (445)	20 (508)	22-1/2 (572)	25 (635)
Minimum concrete member thickness		h _{min}	in. (mm)	h _{ef} + 1-1/4		h _{ef} + 2d _o					
				h _{ef} + 30							

HIT-RE 500-SD Epoxy Adhesive Anchoring System 3.2.4

Table 3 - Hilti HIT-RE 500-SD adhesive design strength (factored resistance) with concrete / bond failure for rebar in uncracked concrete^{1,2,3,4,5,6,7,8,9}

Rebar size	Effective embedment in. (mm)	Tension — ϕN_n or N_r				Shear — ϕV_n or V_r			
		$f'_c = 2500$ psi (17.2 Mpa) lb (kN)	$f'_c = 3000$ psi (20.7 Mpa) lb (kN)	$f'_c = 4000$ psi (27.6 Mpa) lb (kN)	$f'_c = 6000$ psi (41.4 Mpa) lb (kN)	$f'_c = 2500$ psi (17.2 Mpa) lb (kN)	$f'_c = 3000$ psi (20.7 Mpa) lb (kN)	$f'_c = 4000$ psi (27.6 Mpa) lb (kN)	$f'_c = 6000$ psi (41.4 Mpa) lb (kN)
#3	3-3/8 (86)	4,835 (21.5)	5,300 (23.6)	5,855 (26.0)	6,205 (27.6)	10,415 (46.3)	11,410 (50.8)	12,610 (56.1)	13,365 (59.5)
	4-1/2 (114)	7,445 (33.1)	7,805 (34.7)	7,805 (34.7)	8,275 (36.8)	16,035 (71.3)	16,810 (74.8)	16,810 (74.8)	17,820 (79.3)
	7-1/2 (191)	13,010 (57.9)	13,010 (57.9)	13,010 (57.9)	13,790 (61.3)	28,020 (124.6)	28,020 (124.6)	28,020 (124.6)	29,700 (132.1)
#4	4-1/2 (114)	7,445 (33.1)	8,155 (36.3)	9,420 (41.9)	10,885 (48.4)	16,035 (71.3)	17,570 (78.2)	20,285 (90.2)	23,445 (104.3)
	6 (152)	11,465 (51.0)	12,560 (55.9)	13,690 (60.9)	14,515 (64.6)	24,690 (109.8)	27,045 (120.3)	29,490 (131.2)	31,260 (139.1)
	10 (254)	22,820 (101.5)	22,820 (101.5)	22,820 (101.5)	24,190 (107.6)	49,150 (218.6)	49,150 (218.6)	49,150 (218.6)	52,100 (231.8)
#5	5-5/8 (143)	10,405 (46.3)	11,400 (50.7)	13,165 (58.6)	16,120 (71.7)	22,415 (99.7)	24,550 (109.2)	28,350 (126.1)	34,720 (154.4)
	7-1/2 (191)	16,020 (71.3)	17,550 (78.1)	20,265 (90.1)	21,765 (96.8)	34,505 (153.5)	37,800 (168.1)	43,650 (194.2)	46,875 (208.5)
	12-1/2 (318)	34,220 (152.2)	34,220 (152.2)	34,220 (152.2)	36,275 (161.4)	73,705 (327.9)	73,705 (327.9)	73,705 (327.9)	78,125 (347.5)
#6	6-3/4 (171)	13,680 (60.9)	14,985 (66.7)	17,305 (77.0)	21,190 (94.3)	29,460 (131.0)	32,275 (143.6)	37,265 (165.8)	45,645 (203.0)
	9 (229)	21,060 (93.7)	23,070 (102.6)	26,640 (118.5)	30,170 (134.2)	45,360 (201.8)	49,690 (221.0)	57,375 (255.2)	64,985 (289.1)
	15 (381)	45,315 (201.6)	47,440 (211.0)	47,440 (211.0)	50,285 (223.7)	97,600 (434.1)	102,175 (454.5)	102,175 (454.5)	108,305 (481.8)
#7	7-7/8 (200)	17,235 (76.7)	18,885 (84.0)	21,805 (97.0)	25,240 (112.3)	37,125 (165.1)	40,670 (180.9)	46,960 (208.9)	57,515 (255.8)
	10-1/2 (267)	26,540 (118.1)	29,070 (129.3)	31,750 (141.2)	33,655 (149.7)	57,160 (254.3)	62,615 (278.5)	72,300 (321.6)	85,665 (381.1)
	17-1/2 (445)	52,915 (235.4)	52,915 (235.4)	52,915 (235.4)	56,090 (249.5)	122,990 (547.1)	134,695 (599.2)	134,695 (599.2)	142,780 (635.1)
#8	9 (229)	21,060 (93.7)	23,070 (102.6)	26,640 (118.5)	32,060 (142.6)	45,360 (201.8)	49,690 (221.0)	57,375 (255.2)	70,270 (312.6)
	12 (305)	32,425 (144.2)	35,520 (158.0)	40,330 (179.4)	42,750 (190.2)	69,835 (310.6)	76,500 (340.3)	88,335 (392.9)	108,190 (481.3)
	20 (508)	67,215 (299.0)	67,215 (299.0)	67,215 (299.0)	71,245 (316.9)	150,265 (668.4)	164,605 (732.2)	171,090 (761.0)	181,355 (806.7)
#9	10-1/8 (257)	25,130 (111.8)	27,530 (122.5)	31,785 (141.4)	38,930 (173.2)	54,125 (240.8)	59,290 (263.7)	68,465 (304.5)	83,850 (373.0)
	13-1/2 (343)	38,690 (172.1)	42,380 (188.5)	48,940 (217.7)	52,850 (235.1)	83,330 (370.7)	91,285 (406.1)	105,405 (468.9)	129,095 (574.2)
	22-1/2 (572)	83,100 (369.6)	83,100 (369.6)	83,100 (369.6)	88,085 (391.8)	179,300 (797.6)	196,415 (873.7)	211,525 (940.9)	224,220 (997.4)
#10	11-1/4 (286)	29,430 (130.9)	32,240 (143.4)	37,230 (165.6)	45,595 (202.8)	63,395 (282.0)	69,445 (308.9)	80,185 (356.7)	98,205 (436.8)
	15 (381)	45,315 (201.6)	49,640 (220.8)	57,320 (255.0)	63,875 (284.1)	97,600 (434.1)	106,915 (475.6)	123,455 (549.2)	151,200 (672.6)
	25 (635)	97,500 (433.7)	100,435 (446.8)	100,435 (446.8)	106,460 (473.6)	210,000 (934.1)	230,045 (1023.3)	255,645 (1137.2)	270,985 (1205.4)

3.2.4

- See Section 3.1.7 for explanation on development of load values.
- See Section 3.1.7.3 to convert design strength (factored resistance) value to ASD value.
- Linear interpolation between embedment depths and concrete compressive strengths is not permitted.
- Apply spacing, edge distance, and concrete thickness factors in Tables 6-21 as necessary. Compare to the steel values in Table 5. The lesser of the values is to be used for the design.
- Data is for temperature range A: Max. short term temperature = 110 F (43° C), max. long term temperature = 80° F (26° C). For temperature range B: Max. short term temperature = 162° F (72° C), max. long term temperature = 110° F (43° C) multiply above value by 0.34. Short term elevated concrete temperatures are those that occur over brief intervals, e.g., as a result of diurnal cycling. Long term concrete temperatures are roughly constant over significant periods of time.
- Tabular values are for dry concrete conditions. For water saturated concrete multiply design strength (factored resistance) by 0.69. For water-filled drilled holes multiply design strength (factored resistance) by 0.63. For submerged (under water) applications multiply design strength (factored resistance) by 0.64.
- Tabular values are for short term loads only. For sustained loads including overhead use, see Section 3.1.7.5.
- Tabular values are for normal weight concrete only. For lightweight concrete multiply design strength (factored resistance) by λ_a as follows: For sand-lightweight, $\lambda_a = 0.51$. For all-lightweight, $\lambda_a = 0.45$.
- Tabular values are for holes drilled in concrete with carbide tipped hammer drill bit. For diamond core drilling multiply above value by 0.51. Diamond core drilling is not permitted for the water-filled or underwater (submerged) applications.

3.2.4 HIT-RE 500-SD Epoxy Adhesive Anchoring System

Table 4 - Hilti HIT-RE 500-SD adhesive design strength (factored resistance) with concrete / bond failure for rebar in cracked concrete^{1,2,3,4,5,6,7,8,9,10}

Rebar size	Effective embedment in. (mm)	Tension — ϕN_n or N_r				Shear — ϕV_n or V_r			
		$f'_c = 2500$ psi (17.2 Mpa) lb (kN)	$f'_c = 3000$ psi (20.7 Mpa) lb (kN)	$f'_c = 4000$ psi (27.6 Mpa) lb (kN)	$f'_c = 6000$ psi (41.4 Mpa) lb (kN)	$f'_c = 2500$ psi (17.2 Mpa) lb (kN)	$f'_c = 3000$ psi (20.7 Mpa) lb (kN)	$f'_c = 4000$ psi (27.6 Mpa) lb (kN)	$f'_c = 6000$ psi (41.4 Mpa) lb (kN)
#3	3-3/8 (86)	2,815 (12.5)	2,815 (12.5)	2,815 (12.5)	2,985 (13.3)	6,065 (27.0)	6,065 (27.0)	6,065 (27.0)	6,430 (28.6)
	4-1/2 (114)	3,755 (16.7)	3,755 (16.7)	3,755 (16.7)	3,980 (17.7)	8,090 (36.0)	8,090 (36.0)	8,090 (36.0)	8,575 (38.1)
	7-1/2 (191)	6,260 (27.8)	6,260 (27.8)	6,260 (27.8)	6,635 (29.5)	13,485 (60.0)	13,485 (60.0)	13,485 (60.0)	14,290 (63.6)
#4	4-1/2 (114)	4,940 (22.0)	4,940 (22.0)	4,940 (22.0)	5,235 (23.3)	10,640 (47.3)	10,640 (47.3)	10,640 (47.3)	11,275 (50.2)
	6 (152)	6,585 (29.3)	6,585 (29.3)	6,585 (29.3)	6,980 (31.0)	14,185 (63.1)	14,185 (63.1)	14,185 (63.1)	15,035 (66.9)
	10 (254)	10,975 (48.8)	10,975 (48.8)	10,975 (48.8)	11,635 (51.8)	23,640 (105.2)	23,640 (105.2)	23,640 (105.2)	25,060 (111.5)
#5	5-5/8 (143)	7,370 (32.8)	7,500 (33.4)	7,500 (33.4)	7,950 (35.4)	15,875 (70.6)	16,160 (71.9)	16,160 (71.9)	17,130 (76.2)
	7-1/2 (191)	10,005 (44.5)	10,005 (44.5)	10,005 (44.5)	10,605 (47.2)	21,545 (95.8)	21,545 (95.8)	21,545 (95.8)	22,835 (101.6)
	12-1/2 (318)	16,670 (74.2)	16,670 (74.2)	16,670 (74.2)	17,670 (78.6)	35,905 (159.7)	35,905 (159.7)	35,905 (159.7)	38,060 (169.3)
#6	6-3/4 (171)	9,690 (43.1)	10,340 (46.0)	10,340 (46.0)	10,960 (48.8)	20,870 (92.8)	22,265 (99.0)	22,265 (99.0)	23,600 (105.0)
	9 (229)	13,785 (61.3)	13,785 (61.3)	13,785 (61.3)	14,610 (65.0)	29,690 (132.1)	29,690 (132.1)	29,690 (132.1)	31,470 (140.0)
	15 (381)	22,975 (102.2)	22,975 (102.2)	22,975 (102.2)	24,350 (108.3)	49,480 (220.1)	49,480 (220.1)	49,480 (220.1)	52,450 (233.3)
#7	7-7/8 (200)	10,895 (48.5)	10,895 (48.5)	10,895 (48.5)	11,550 (51.4)	26,300 (117.0)	27,730 (123.3)	27,730 (123.3)	29,395 (130.8)
	10-1/2 (267)	14,525 (64.6)	14,525 (64.6)	14,525 (64.6)	15,395 (68.5)	36,975 (164.5)	36,975 (164.5)	36,975 (164.5)	39,190 (174.3)
	17-1/2 (445)	24,210 (107.7)	24,210 (107.7)	24,210 (107.7)	25,660 (114.1)	61,625 (274.1)	61,625 (274.1)	61,625 (274.1)	65,320 (290.6)
#8	9 (229)	13,295 (59.1)	13,295 (59.1)	13,295 (59.1)	14,095 (62.7)	32,130 (142.9)	33,845 (150.5)	33,845 (150.5)	35,875 (159.6)
	12 (305)	17,730 (78.9)	17,730 (78.9)	17,730 (78.9)	18,790 (83.6)	45,125 (200.7)	45,125 (200.7)	45,125 (200.7)	47,835 (212.8)
	20 (508)	29,545 (131.4)	29,545 (131.4)	29,545 (131.4)	31,320 (139.3)	75,210 (334.5)	75,210 (334.5)	75,210 (334.5)	79,720 (354.6)
#9	10-1/8 (257)	15,745 (70.0)	15,745 (70.0)	15,745 (70.0)	16,690 (74.2)	38,340 (170.5)	40,080 (178.3)	40,080 (178.3)	42,485 (189.0)
	13-1/2 (343)	20,995 (93.4)	20,995 (93.4)	20,995 (93.4)	22,255 (99.0)	53,440 (237.7)	53,440 (237.7)	53,440 (237.7)	56,645 (252.0)
	22-1/2 (572)	34,990 (155.6)	34,990 (155.6)	34,990 (155.6)	37,090 (165.0)	89,065 (396.2)	89,065 (396.2)	89,065 (396.2)	94,410 (420.0)
#10	11-1/4 (286)	17,740 (78.9)	17,740 (78.9)	17,740 (78.9)	18,800 (83.6)	44,905 (199.7)	45,150 (200.8)	45,150 (200.8)	47,860 (212.9)
	15 (381)	23,650 (105.2)	23,650 (105.2)	23,650 (105.2)	25,070 (111.5)	60,200 (267.8)	60,200 (267.8)	60,200 (267.8)	63,815 (283.9)
	25 (635)	39,415 (175.3)	39,415 (175.3)	39,415 (175.3)	41,780 (185.8)	100,335 (446.3)	100,335 (446.3)	100,335 (446.3)	106,355 (473.1)

1 See Section 3.1.7 for explanation on development of load values.

2 See Section 3.1.7.3 to convert design strength (factored resistance) value to ASD value.

3 Linear interpolation between embedment depths and concrete compressive strengths is not permitted.

4 Apply spacing, edge distance, and concrete thickness factors in Tables 6-21 as necessary. Compare to the steel values in Table 5. The lesser of the values is to be used for the design.

5 Data is for temperature range A: Max. short term temperature = 110 F (43° C), max. long term temperature = 80° F (26° C).

For temperature range B: Max. short term temperature = 162° F (72° C), max. long term temperature = 110° F (43° C) multiply above value by 0.34.

Short term elevated concrete temperatures are those that occur over brief intervals, e.g., as a result of diurnal cycling. Long term concrete temperatures are roughly constant over significant periods of time.

6 Tabular values are for dry concrete conditions. For water saturated concrete multiply design strength (factored resistance) by 0.69.

For water-filled drilled holes multiply design strength (factored resistance) by 0.63.

For submerged (under water) applications multiply design strength (factored resistance) by 0.64.

7 Tabular values are for short term loads only. For sustained loads including overhead use, see Section 3.1.7.5.

8 Tabular values are for normal weight concrete only. For lightweight concrete multiply design strength (factored resistance) by λ_a as follows:

For sand-lightweight, $\lambda_a = 0.51$. For all-lightweight, $\lambda_a = 0.45$.

9 Tabular values are for static loads only. For seismic loads, multiply above value by $\alpha_{seis} = 0.49$. See section 3.1.7.4 for additional information on seismic applications.

10 Tabular values are for holes drilled in concrete with carbide tipped hammer drill bit. Diamond core drilling is not permitted in cracked concrete conditions.

HIT-RE 500-SD Epoxy Adhesive Anchoring System 3.2.4

Table 5 - Steel design strength (ACI 318 Appendix D Based Design) for rebar¹

Rebar size	ASTM A615 Grade 40 ²			ASTM A615 Grade 60 ²			ASTM A706 Grade 60 ²		
	Tensile ³ ϕN_{sa} lb (kN)	Shear ⁴ ϕV_{sa} lb (kN)	Seismic Shear ⁵ ϕV_{sa} lb (kN)	Tensile ³ ϕN_{sa} lb (kN)	Shear ⁴ ϕV_{sa} lb (kN)	Seismic Shear ⁵ ϕV_{sa} lb (kN)	Tensile ³ ϕN_{sa} lb (kN)	Shear ⁴ ϕV_{sa} lb (kN)	Seismic Shear ⁵ ϕV_{sa} lb (kN)
#3	4,290 (19.1)	2,375 (10.6)	1,663 (7.4)	6,435 (28.6)	3,565 (15.9)	2,496 (11.1)	6,600 (29.4)	3,430 (15.3)	2,401 (10.7)
#4	7,800 (34.7)	4,320 (19.2)	3,024 (13.5)	11,700 (52.0)	6,480 (28.8)	4,536 (20.2)	12,000 (53.4)	6,240 (27.8)	4,368 (19.4)
#5	12,090 (53.8)	6,695 (29.8)	4,687 (20.8)	18,135 (80.7)	10,045 (44.7)	7,032 (31.3)	18,600 (82.7)	9,670 (43.0)	6,769 (30.1)
#6	17,160 (76.3)	9,505 (42.3)	6,654 (29.6)	25,740 (114.5)	14,255 (63.4)	9,979 (44.4)	26,400 (117.4)	13,730 (61.1)	9,611 (42.8)
#7	23,400 (104.1)	12,960 (57.6)	9,072 (40.4)	35,100 (156.1)	19,440 (86.5)	13,608 (60.5)	36,000 (160.1)	18,720 (83.3)	13,104 (58.3)
#8	30,810 (137.0)	17,065 (75.9)	11,946 (53.1)	46,215 (205.6)	25,595 (113.9)	17,917 (79.7)	47,400 (210.8)	24,650 (109.6)	17,255 (76.8)
#9	39,000 (173.5)	21,600 (96.1)	15,120 (67.3)	58,500 (260.2)	32,400 (144.1)	22,680 (100.9)	60,000 (266.9)	31,200 (138.8)	21,840 (97.1)
#10	49,530 (220.3)	27,430 (122.0)	19,201 (85.4)	74,295 (330.5)	41,150 (183.0)	28,805 (128.1)	76,200 (339.0)	39,625 (176.3)	27,738 (123.4)

¹ See Section 3.1.7.3 to convert design strength (factored resistance) value to ASD value.

² ASTM A706 Grade 60 rebar are considered ductile steel elements. ASTM A615 Grade 40 and 60 rebar are considered brittle steel elements.

³ Tensile = $A_{se,N} f_{uta}$ as noted in ACI 318 Appendix D.

⁴ Shear = $0.60 A_{se,N} f_{uta}$ as noted in ACI 318 Appendix D

⁵ Seismic shear values determined by multiplying V_{sa} x $\alpha_{V,seis}$ where $\alpha_{V,seis} = 0.7$. See Section 3.1.7.4 for additional information on seismic applications.

Mead, Lorraine

From: Serbousek, Mark <mmserbousek@spokanecity.org>
Sent: Wednesday, September 12, 2018 10:52 AM
To: Josh Grigsby; Mead, Lorraine; Ellison, Berry
Cc: Tim Loucks; Erik Wick; Jeremy Sweatt; Rick Vick
Subject: RE: Riverfront Park - Blue Bridge North Abutment Revision Pricing

All,

I have reviewed this and I agree with the repair.

Mark

From: Josh Grigsby <joshg@garco.com>
Sent: Wednesday, September 12, 2018 9:54 AM
To: Mead, Lorraine <LorraineMead@hillintl.com>; Ellison, Berry <bellison@spokanecity.org>; Serbousek, Mark <mmserbousek@spokanecity.org>
Cc: Tim Loucks <tloucks@garco.com>; Erik Wick <erikw@garco.com>; Jeremy Sweatt <jeremys@garco.com>; Rick Vick <rvick@garco.com>
Subject: Riverfront Park - Blue Bridge North Abutment Revision Pricing

Lorraine/Berry/Mark,

Please see attached proposed solution and pricing for the fix on the blue bridge North abutment. Please let us know ASAP if you would like us to proceed.

Thanks,

JOSH GRIGSBY
GARCO CONSTRUCTION | Project Manager
o: (509) 535-4688 |
c: (509) 953-8456 | joshg@garco.com

Howard Street Promenade

ITEM #3Concrete Sealer and
Paver Polymetric Sand and Sealer**Garco Construction, Inc.**

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Seal Concrete (Cameron Reilly)	42435	SF				0.30	-	-	-	12,731	12,731
	Polymetric Sand & Paver Sealer (Segmental Systems)	1	LS				21,210	-	-	-	21,210	21,210
SUB-TOTALS								-	-	-	33,941	33,941
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				1,358
SUB-TOTAL											<u>35,298</u>	
Insurance								1.00% (of Subtotal)				353
Bond Premium								0.75% (of Subtotal)				265
SUB-TOTAL											<u>35,916</u>	
B & O Tax								0.47% (of Subtotal)				166
TOTAL - POTENTIAL CHANGE ORDER											<u>\$ 36,082</u>	

SPECIFIC EXCLUSIONS:

- WSST



www.cameron-reilly.com

309 N Park Rd, Spokane Valley, WA 99212
509.466.5555 fax 509.468.3719
WA LIC#: CAMERRL942NU
ID LIC#: PWC-C-12153-AAA-4
OR LIC#: 202351

QUOTE

Date: 5/7/2018

Job Name: Riverfront Howard Street Promenade
Garco

Item #	Description	Unit	Quantity	Price Per	Total
	<u>1) - Mid Howard St. Promenade</u>				
	Primary Paving - 6" Reinforced w/V-Groove Pattern	sf	20,260	\$7.30	\$147,898.00
	Exposed Aggregate Curb 1' x 6" - #4 Cont, Trans 4' OC	lf	2,820	\$28.12	\$79,298.40
	Exposed Light Pole Apron 2x2	ea	28	\$236.00	\$6,608.00
	Light Pole Apron 2x2	ea	21	\$100.00	\$2,100.00
	Dowels - 3/4" x 18" Epoxy Dowels for Constcrction Joint only @ Stoppages/Between Pours - TBD	ls	1	\$5,000.00	\$5,000.00
	(subtotal = \$240,904.40)				
	<u>2) - Canada Island</u>				
	Primary Paving - 6" Reinforced w/V-Groove Pattern	sf	5265	\$7.30	\$38,434.50
	(subtotal = \$38,434.50)				
	<u>3) - North Howard Street</u>				
	Primary Paving - 6" Reinforced w/V-Groove Pattern	sf	2,230	\$7.30	\$16,279.00
	Light Pole Apron 2x2	ea	11	\$100.00	\$1,100.00
	Sidewalk	sf	1,100	\$6.50	\$7,150.00
	Vertical Curb	lf	107	\$26.00	\$2,782.00
	(subtotal = \$27,311)				
	Concrete Sealer	sf		\$.30	

SEGMENTAL SYSTEMS INC

HARDSCAPE SPECIALISTS

- Retaining Walls
- Brick Pavers
- Concrete Pavers
- Hydropressed Slabs
- Natural Stone
- Snow Removal

7-25-2018

Garco Const.
Riverfront Park Howard Street Bridge North to Arena
Bid for Section 321400 Unit paving

Supply and install 10" steel edging
Supply and install 6" compacted gravel base
Supply and install 1" sand bedding
Supply and install specified pavers
Cut as needed and sand joints
10' wide walks on sheets LM105, LM109, LM113, LM117 LM119 approx 10,500 sf
\$158,680.00

Field Paving (8.3) On sheet LM1.19
Same scope of work, approx 2500 sf
\$28,855.00

Add polymeric joint sand + \$9985.00
Add paver sealer + \$11,225.00

We will need access to water via hydrant or water truck for compaction
Sub base to be 10" below finished paver height and proof rolled, free of biodegradable material
Field measure existing paver bridge to get exact measurements where pavers intersect poured
in place concrete

Bid by Dan Hughes
Dan Hughes, President

If you have questions, please phone Dan direct at 509-990-2590

P.O. Box 755 • Otis Orchards, Washington 99027-0755 • Phone/Fax (509)924-7973 N. Idaho (208)660-9953



Segmental@msn.com | www.SegmentalSystems.com



Hill International

10/04/18

Add Polymer Sand and Sealer to Pavers and Concrete

Based on the subcontractor quotes – this pricing seems reasonable for this work.

Lorraine Mead

ITEM #4

JB TO BE
7-26-18

Mail Date: July 20, 2018



Permit Number: WAR304456
ATTN: JOSH GRIGSBY
- RIVERFRONT PARK CONST. ACCESS RD
GARCO CONSTRUCTION INC
4114 E BROADWAY
SPOKANE WA 99202

FY 2018 Fee Past Due
Water Quality Program
Stormwater Construction

FY 2018 Fee Past Due	\$670.00
FY 2018 Invoiced Amount	\$670.00
Remaining Credit	\$0.00
Total Due	\$670.00

3346 4957394006 56301 48105

Fiscal Year	Billed	Paid	Due	Due Date
FY18	\$670.00	\$0.00	\$670.00	11/10/2017

This invoice covers Fiscal Year 2018 (July 1, 2017 through June 30, 2018).

ECOLOGY DOES NOT PRORATE FEE FOR PERMIT TERMINATIONS. Ecology will no longer assess an annual fee once Ecology terminates permit coverage. However, the full annual amount is owed for the current fiscal year regardless of the permit termination date within that fiscal year.

Please send check or money order in US currency payable to

WASHINGTON STATE DEPARTMENT OF ECOLOGY

(DO NOT SEND CASH)

Mail the payment with the payment voucher / coupon to:

Washington State Department of Ecology
Cashiering Unit
PO BOX 47611
Olympia, WA 98504-7611

Our records show that this account is still past due in the amount listed above. You must respond to this invoice within 45 days of the mail date listed above. If we do not hear from you, we may refer the account to enforcement and/or to a collection agency who adds a 20% surcharge to cover the cost of the collection action.

Questions? Direct questions regarding the permit fee assessment to the Water Quality Fee Unit at (800) 633-6193 /Option 2 or via email at wqfee_unit@ecy.wa.gov

-----Detach and return this payment voucher with your check or money order, -----

Water Quality Program
Stormwater Construction

Invoice Number	2018-WAR304456	Total Amount Due	\$670.00
- RIVERFRONT PARK CONST. ACCESS RD		Coding	176-WWD-02-86-00-190

ATTN: JOSH GRIGSBY
GARCO CONSTRUCTION INC
4114 E BROADWAY
SPOKANE WA 99202

Mail payment to
Washington State Department of
Ecology
Cashiering Unit
PO BOX 47611
Olympia, WA 98504-7611



RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)

Project Name:	PAVILION	RFP No:	PAV 01A
Project No.	SC6B0322000	Date:	7/26/18
Owner:	Spokane Parks & Recreation		
Contractor:	Garco Construction	Architect/Eng:	NAC/Berger/Jacobs

Please furnish your proposal for performing the changes outlined below and/or detailed on the attachments if applicable. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, and equipment. It should also include any schedule impact if applicable.

Description: **Background:** Per the Pavilion DB Request for Proposal, Owner's Program Information, Program Matrix Attachment F the majority of City of Spokane (COS) information technology (IT) work was to be owner furnished/owner install (OFOI) with Design-Builder (DB) providing rough-in. This was changed to mostly contractor furnished/contractor installed (CFCI) in RFP#1 dated 2/9/18.

Requested Change: This change is to supplement RFP#1 with further clarifications as summarized below and per the PMO Drawing Markups of the Permit set (not attached but discussed and handed out in the meeting on 6/7/18):

- WAP's and Active gear will be OFCI.
- Two 2" PVC conduits are needed from second floor A/V closet to Pavilion sound booth location.
- Security (camera) server to have storage capacity for 10 days.
- COS is providing, pulling, and terminating single mode fiber from HSP to Pavilion IT MDF.
- All WAP and Camera locations shall be provided with conduit (inaccessible space) and cabling.
- Specification 27 15 11(1.3)(B) shall indicate "Certified Siemen Installer"
- Velcro is okay (versus cable ties) for category cabling.
- Maxell 3 cell in 3" conduit shall be provided to site (unsure about routing, Scott Stipe to verify).
- Data ports shall be labeled per COS IT standards:



RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)

Action:

1. DB to develop rough order of magnitude (ROM) cost proposal for requested added IT scope revisions for Project Management Office (PMO) review/approval.
2. With PMO approval DB to finalize this Request for Proposal for PMO review/approval and incorporation of RFP#1 and RFP#1A into GMP change order.

RIVERFRONT PARK MODERNIZATION
 SPOKANE PARKS AND RECREATION DIVISION
 PAVILION REQUEST FOR PROPOSAL
 REVISED ATTACHMENT - F PAVILION PROGRAM MATRIX (PG 2 ONLY)

REQUEST FOR PROPOSAL 1
 02/09/2018

NO.	ITEM	OFCI	CFCI	OFOI	REMARKS
34	TELECOMMUNICATIONS				
35	Conduit/Pathways		X		
36	Structured Cable		X	X	
37	Patch Panels		X	X	
38	Network Switches	X		X	
39	Patch Cord Single-Mode Fiber		X	X	
40	Handsets VoIP			X	
41	UPS			X	
42	Wireless access points		X	X	
43	Point of Sales systems		X	X	Cash registers by Parks
44					
45	VIDEO SURVEILLANCE				
46	Conduit/pull strings		X		
47	Camera Equipment		X	X	
48	Head-in gear		X	X	
49	Racks		X	X	
50	Cat 6 Cable		X	X	
51					
52	ACCESS CONTROL				
53	Conduit/pathways		X		
54	Head-in gear		X	X	
55	Racks		X	X	
56	Equipment		X	X	
57	Cable		X	X	
58					
59	INTRUSION PROTECTION				New scope item
60	Conduit/pathways		X		
61	Head-in gear		X		
62	Racks		X		
63	Equipment/panel		X		
64	Cable		X		
65					
66	FIBER BACKBONE				
67	Conduit/pathways		X		
68	Fiber Cable	X		X	
69	Site "hot spot" zones		X	X	

RIVERFRONT PARK MODERNIZATION
 SPOKANE PARKS AND RECREATION DIVISION
 PAVILION REQUEST FOR PROPOSAL
 REVISED ATTACHMENT - F PAVILION PROGRAM MATRIX (PG 2 ONLY)

REQUEST FOR PROPOSAL 1
 02/09/2018

NO.	ITEM	OFCI	CFCI	OFOI	REMARKS
71	AUDIO VISUAL *		X		
72	Conduit/Pathway		X		
73	Head-end equipment		X		
74	Rack		X		
75	Equipment		X		
76	Wiring		X		
77	Projector/Display			X	
78					
79	PAGING AND AUDIO *		X		
80	Conduit/Pathway		X		
81	Head-end equipment		X		
82	Equipment		X		
83	Wiring		X		
84					
85	DIGITAL SIGNAGE *		X		
86	Conduit/Pathway		X		
87	Wiring		X		
	* NOTE: LIST OF COMPONENTS ADDED FOR CLARITY; SCOPE RESPONSIBILITY UNCHANGED				

1. Cabling

a. Ethernet

- i. All Ethernet cables will be Cat 6 and installed to current NEC code specifications
 1. Ethernet cables will be MOHAWK ADVANCENET
- ii. Provide 1 Siemon Cat 6 patch cable for every terminated Ethernet cable, part number MC6-10-02
- iii. Cables installed to location on the exterior or outside of structure will have surge protection installed, part number DTK-PVPIP
- iv. Cables will be routed through an appropriate receptacle such as a surface mount box and be terminated in Siemon Max 6 outlet. The Max 6 outlet will be installed into Siemon Max Modular Faceplates with angled jacks.
- v. Data locations will have no less than 2 jacks per location, except for wireless access points and IP camera's which only require 1 jack per location.
- vi. Data locations will be within 20' of a Max 6 outlet. This distance is for the patch cord and includes any routing to accommodate furniture placement.
- vii. Data locations that require patch cables to be run across the floor will install trip strip approved by City Risk Management. Cable distance will be within 20' of a Max 6 outlet.
- viii. Data locations will have ¾" EMT conduit into accessible ceiling, with plastic grommets, or run to distributor room if ceiling is inaccessible.
- ix. Labeling for cables will be to Bicsi labeling standard 606.

2. Patch Panel

- a. Siemon flat patch panels, product number HD6-48
 - i. Include 1 patch panel per 48 Ethernet cables specified.

3. Cable Manager

- a. Install 1 Siemon cable manager above and below each Siemon patch panel, part number WM-143-5
- b. Install 2 additional cable managers in addition to the cable managers above and below each Ethernet Patch panel

4. Rack

- a. In each distributor room - for every 30 U or less of required space for equipment install 1 Siemon RS Rack System, part number RS1-07
 - i. Install to manufacturer specifications
 - ii. Include in each: rack
 1. 2 Siemon vertical wire managers, part number RS-CNL
 2. 1 Siemon RS-CH
 3. 8 Siemon RS-CNL-MGR
 4. 1 surge protecting power strip, part number IBAR12-20T

- b. Ladder Rack
 - i. Chatsworth cable runway will be installed from parallel wall faces to rack and around the perimeter of the room. Radius drops will be installed wherever cables exit the cable runway into an equipment rack.

5. Wireless Access Point

- a. Install 1 Cat 6 Ethernet cable to every location.
- b. Interior Access Points - Access points installed inside of a structure will use power over Ethernet. The Ethernet cable will be installed from the access point mounting location to the patch panel in the control cabinet.
 - i. Cisco AIR-AP2802I-B-K9
 - ii. Cisco AIR-AP2802E-B-K9
- c. External Access Point - Access points installed outside of a structure will use a product specific power injector or product defined electrical outlet. Have surge protection (part number DTK-PVPIP). The cable will be installed from the access point mounting location to the patch panel in the control cabinet. Surge protection will be installed to allow power injection and data to transmit.
 - i. Cisco Air-AP1562E-B-K9
- d. Antennas must be compatible with the specified Cisco access points.

6. Camera

- a. Indoor
 - i. PTZ
 - 1. Cruiser SN673V-B
 - ii. Fixed
 - 1. V804D-WIR
 - 2. V804D-W312MIR
- b. Outdoor
 - i. PTZ
 - 1. Cruiser SN673V-B
 - a. With heater installed
 - 2. SN680D-B-WNIR
 - 3. Surveyor MKII – SN230W
 - 4. Surveyor MKII – SN230M
 - ii. Fixed
 - 1. V942D-W310IR-XS
 - 2. V944D-W312MIR
 - 3. V945D-W310MIR
- c. Misc.
 - i. Network equipment must be capable of supporting POE+ (IEEE 802.3at) power requirements exceeding POE+ will include product specified power supplies and installation.

**RIVERFRONT PARK MODERNIZATION
SPOKANE PARKS AND RECREATION DIVISION
PAVILION PROJECT - COS IT NETWORK SPECIFICATIONS**

**REQUEST FOR PROPOSAL ONE
2/9/2018**

- ii. Install 1 Cat 6 Ethernet cable to every camera location
 - iii. Include power and data surge protection installed in the telecom room on equipment backboard, part number DTK-PVPIP for all exterior cameras.
- 7. Door Controls
 - a. Galaxy 635 Door Controller
 - i. All readers, strikes, and other hardware will be compatible with the Galaxy 635 and read 125 kHz Farpointe & HID Credentials.
- 8. Distributor (Telecommunications) Room
 - a. Distributor (telecommunication) room will comply with ANSI/TIA-569-D requirements.
 - b. Distributor room door shall be accessed via the Galaxy door system.
 - c. Room will have no exterior windows
 - d. Clearance
 - i. Front of rack will have a minimum of 3 ft. of clearance.
 - ii. Rear of rack will have a minimum of 4 ft. of clearance.
 - e. Install spare one 4in conduit sleeve with fire protection for future growth.
 - f. A second distributor room will be necessary if the Ethernet cable distance is greater than 295 ft. Distributor rooms will require a fiber optic cable to the equipment rack in each distributor room with 100 ft. of slack in each room.
 - g. 1 dedicated 30 amp outlet within 7 ft. of the first U of the equipment rack that will accept a L5-30P plug.
 - h. Provide environmental system capable of cooling room to 70 degrees Fahrenheit
 - i. For heat calculation add the following to any heat load calculation for heat generation in the Distributor room: APC UPS SMX3000LV with 1 SMX120BP battery module, 1 Cisco C9300-48P with two PWR-C1-715WAC power modules
 - i. If a second Distributor room is required installation of a fiber optic cable between the two rooms will be required.
 - i. 24 strand OS2 Corning Optical Communications cable.
 - ii. 4 FIS 12 Fiber SM SC/UPC- pigtail Distribution 3 Mtr. Part Number DSP12SCUPCBU
 - iii. 4 Siemon standard fiber splice trays. Part number TRAY-3
 - iv. 8 Siemon flat quick-pack adapter plates. Part number RIC-F-SC6-01
 - v. 2 Siemon expanded RIC RIC3-E-24-01
 - vi. RIC3-E-24-01's will be installed within 2U of the top of the equipment rack.
 - vii. Fiber splicing will be done using the fusion splicing method
- 9. Other
 - a. Telecom designer will be Bicsi certified.
 - b. Labeling will be done to Bicsi 606-A labeling standards
 - c. Contractor installing the data cabling system shall be a Siemon certified installer.
 - d. Contractors will provide all equipment and materials to complete installation except as noted on the Owners Program Information Attachment F.
 - e. City of Spokane will provide:

**RIVERFRONT PARK MODERNIZATION
SPOKANE PARKS AND RECREATION DIVISION
PAVILION PROJECT - COS IT NETWORK SPECIFICATIONS**

**REQUEST FOR PROPOSAL ONE
2/9/2018**

- i. Cisco Catalyst 9300 48 port poe+ switch and optics
- ii. VOIP handsets
- iii. Cat 6 Ethernet patch cables from wall port to data locations in lengths no greater than 20 ft.
- iv. Rack mounted 2U APC UPS SMX3000LV with 2U battery module SMX120BP



Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Telecommunications	1.0	LS				184,082	-	-	-	184,082	184,082
	Video Surveillance	1.0	LS				76,096	-			76,096	76,096
	Access Control	1.0	LS				54,425	-			54,425	54,425
	Intrusion Protection	1.0	LS				19,188	-			19,188	19,188
	Design and CA Cost	1.0	LS				23,750	-			23,750	23,750
SUB-TOTALS								-	-	-	357,541	357,541
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								10.00% (of Labor, Material & Equip.)				-
								OH&P: on Garco (as subcontractor) subcontracted work				14,302
								SUB-TOTAL				371,843
								Insurance				3,718
								1.00% (of Subtotal)				3,718
								Bond Premium				2,789
								0.75% (of Subtotal)				2,789
								SUB-TOTAL				378,350
								B & O Tax				1,748
								0.47% (of Subtotal)				1,748
TOTAL - POTENTIAL CHANGE ORDER											\$ 380,098	

SPECIFIC EXCLUSIONS:

1. WSST

July 26, 2018

Steve Gilbertz
Power City Electric, Inc.

SUBJECT: City of Spokane Pavilion 100% Drawings

Dear Steve,

Thank you for allowing PowerCom the opportunity to provide the following budgetary quotation for the pavilion in Spokane, Washington.

SCOPE OF WORK: Cat 6 Cabling

- Provide and install 192 each Cat 6 plenum cables (Mohawk Advancenet) for station locations, cameras and AP's. These cables will be terminated with Cat 6 Siemon jacks at the station end and 48 port Cat 6 Siemon panels in the MDF Closet.
- Provide 192 each Siemon copper Cat 6 patch cords in the MDF only.
- Provide and install 1 each 12 strand fiber cable from the Century D-marc to the rack in the MDF.
- Provide and install 1 each 6 strand MM fiber cable to the OSP WAP's that exceed 295 feet. All other WAP's will be cabled with Cat 6 cabling.
- Provide and install 1 each 2 strand MM 62.5 fiber cable to the OSP Camera locations that exceed 295 feet. All other Camera's will be cabled with Cat 6 cabling.
- Provide and install 96 pair of Cat 3 cables from Century d-marc to rack, terminating the cable at one pair per port on the rack. PowerCom excludes any Centurylink copper cabling and/or protectors.
- All fiber cables will be terminated with SC type connectors unless notified before start of project.
- Provide and install 2 each 2U fiber panels in the new rack for external Camera's and WAP's that exceed 290 feet.
- Provide and install up to 600' of 3 cell Maxcell MXE86383.
- Provide and install 2 each 4 post 7' Siemon racks, RS1-07-S.
- Provide and install 4 each Siemon RS-CNL vertical wire managers.
- Provide and install 4 each APC-PDU power strips.
- Test and label all newly installed cables.

Note: This will be Siemon Certified project.

ASSUMPTIONS OF SCOPE:

- All cable pathways will be easily accessible and free and clear from any obstruction. All conduits to have pull strings.
- All cable tray (including in MDF), plywood backboards, conduit, sleeves, core drills, pathways, Nema boxes, ground buss bars etc. will be provided by Power City Electric.
- This quote is based on each cable location to have conduit placed from the station location to the cable tray or MDF (piped to tray).
- All OSP type cabling (both fiber and copper) will have conduit provided from the location back to the MDF.
- This quote does not include any active equipment (hubs, routers, switches, media converters, POE equipment, POE mid span injectors, data concentrators, etc.), cameras, WAP's, UPS's, point of sales cabling or equipment. No Cisco equipment or licensing is included in this quote.
- This quote does not include any fees for Centurylink or any other utility for phone and/or fiber service or installation.
- This quote does not include any AV cabling.

- This quote excludes all work included in Section 270510.
- No Coax cabling is included in this quote.
- All sleeves for fire rated walls and floors are not included in this quote and will be provided and installed by the electrical contractor.
- This quote does not include a man-lift (hi-lift), if one is needed it can be added as a change order.
- All work will be performed in accordance with standards in effect at the time of the bid and state and local codes. PowerCom will test all newly installed wiring and mark in accordance with standard procedures.
- Access will be provided in a timely manner to all facilities where work is requested. Delays and/or interruptions resulting from lack of access may result in additional charges.

EXEMPT FROM SCOPE:

- Removal of abandoned wire or cable.
- Unforeseen circumstances or conditions not readily apparent.
- Washington State Sales Tax

PRICING: \$167,347.00

TERMS AND CONDITIONS:

- Payment Terms: Material and installation will be invoiced upon completion and acceptance. Standard payment terms are net 30 from the date of invoice. Late invoices will be assessed finance charges of 1% per month.
- Change Order: If changes are required during the course of this project, a change order will be provided and work will continue upon execution of change order.
- Warranty: PowerCom warrants each installation performed by PC against defects in materials and workmanship for a period of 1 year from the date of completion, provided a PowerCom technician performs all adds, moves, and changes to the original project.
- PowerCom shall not be liable for damages to materials or bodily injury arising from causes beyond its reasonable control.
- These prices are good for a period of 60 days.
- Confidential Information: This bid information is confidential and proprietary.

Thank you for considering PowerCom for your communication needs. If you have any questions, please contact Peter Job at (509) 435-4707.

Thank you,

Peter Job
Project Manager/Estimator



Integrated Security Systems

**High-technology
security products for
commercial, technological,
industrial, educational and government
facilities.**

City of Spokane
Integrated Security System 100 Percent
Drawings

Prepared For:
City of Spokane

507 N Howard St
Spokane, WA 99201

Prepared By:
Lorie Stephenson
3815 E. Everett Ave.
Spokane, WA 99217
Office: 509-443-2609
Cell: 509-993-4444

Scope Of Work:

Proposal includes Camtek providing and installing the following systems per 100% plans and specifications:

- Galaxy Access Control
- Bosch Intrusion Detection
- Vicon cameras and Video Surveillance

Also included as listed in the plans and specifications are:

- Monthly security monitoring [1] year
- Additional [1] year of full maintenance and monitoring after warranty period
- Testing and certification for all security wiring
- Dye sublimation printer, Badging software
- Required software license and support

Electrical Contractor to provide the following:

- 110 volt electrical connections as required per plans and specifications.
- Conduit stub ups where required to get cable into door frames and transition pathways from cable tray.
- Fiber optic and network cabling and testing

This proposal meets the requirements of the 100% plans.

Bill Of Materials:

Galaxy Access Control					\$49,476.66
QTY	Manufacturer	Part #	Description	Unit Price	Ext. Price
2	Galaxy Controls	635PACK8	Galaxy 635 8 Door Controller	\$2,966.67	\$5,933.34
1	MagiCard	3652-0021	Rio Pro Duo Double Sided Card Printer	\$2,956.25	\$2,956.25
2	Galaxy Controls	90-0600-70/E	Galaxy Additional Enterprise Software Ports (8)	\$1,000.00	\$2,000.00
2	LifeSafety Power	FPO75/75/150C8E4	(2)6A/12V & (1)6A/24V Power Supplies E4 Enclosure	\$728.92	\$1,457.84
1	Galaxy Controls	90-0903-10	Integrated Badging - Software Only	\$666.67	\$666.67
2	Galaxy Controls	20-0117-20	Galaxy 600/635 DIO Digital Input/Output Board	\$650.00	\$1,300.00
5	Galaxy Controls	90-0600-80E	Client Workstation License (Thick Client)	\$500.00	\$2,500.00
12	HES	9600-12/24D-630	9600-12/24D-630 Electric Strike	\$404.17	\$4,850.04
12	McKinney	T4A3386 5 X 5 26D QC8	5 X 5 Heavy Duty Electric Hinge QC8 26D	\$327.17	\$3,926.04
8	Farpointe	P-640H	Farpointe Patagonia Proximity Reader With Keypad	\$291.67	\$2,333.36
1	MagiCard	M9006793 A	CR-80 Composite PVC-PET Plastic ID Cards 500/Box	\$133.33	\$133.33
1	Camden	CM-3050R	Camden Push Button Red No/Nc Push/Pull Maintained	\$124.67	\$124.67
8	Kantech	T.REX-XLCLK	Request-to-Exit Motion Tamper, Piezo, Timer, Black	\$93.08	\$744.64
2	MagiCard	MA250YMCKOK	Dye Film Rio Pro Duo 250 Images Extra Black Panel	\$92.03	\$184.06
5	Nascom	N505AUTMC/ST	Oh Dr Rail 3 Mount Mag/Sw Set No Dead Spot Silver	\$49.92	\$249.60
1	MagiCard	3633-0053	Cleaning Kit for Rio Pro and Enduro Printers	\$35.00	\$35.00
42	Batteries Plus	SLA12-8F	12V 8AH Battery	\$29.98	\$1,259.16
12	Nascom	N1178CB/STDD	3/4 Stubby Recessed Steel Dr Wide Gap Dpdt Brown	\$20.92	\$251.04
15	Nascom	N1178CB/ST	3/4 Recessed Door Contact Wide Gap - Brown	\$6.75	\$101.25
11	Leviton	566-145-007	7 Ft. Cat6 Purple Patch Cord	\$3.67	\$40.37
500	Farpointe	PSI-4-H	Image Technology Printable Proximity Card	\$2.42	\$1,210.00

Labor Schedule for: Galaxy Access Control

QTY	Description	Rate	Ext. Price
180.00	Journeyman Prevailing Wage	\$95.00	\$17,100.00

Supplies & Materials for: Galaxy Access Control

QTY	Description	Ext. Price
1.0	Permit -City of Spokane	\$40.00
1.0	Intent & Affidavit	\$80.00

Equipment Subtotal:	\$32,256.66
Labor Subtotal:	\$17,100.00
Supplies & Materials SubTotal:	\$120.00
Galaxy Access Control SubTotal:	\$49,476.66

Bosch Intrusion Detection					\$16,603.00
QTY	Manufacturer	Part #	Description	Unit Price	Ext. Price
1	Bosch	B9512G	Intrusion/Fire/Access Control Panel	\$707.43	\$707.43
1	Altronix	AL600ULX	Power Supply/ Battery Charger 6 AMP	\$313.32	\$313.32
1	Bosch	B520	Auxiliary Power Supply 2.0 Amps	\$294.00	\$294.00
1	Bosch	B426	Conettix Ip Ethernet Interface	\$255.42	\$255.42
2	Bosch	B930	Atm Style-alpha Numeric Keypad (SDI2)	\$192.93	\$385.86
1	Bosch	B299	SDI2 Popex Expansion Module B8512G, B9512G	\$84.52	\$84.52
1	Bosch	B430	B Series Plug-in Communicator, Telephone	\$55.12	\$55.12
2	Bosch	D8109	Encl Fire, Red (ul Approved)	\$54.82	\$109.64
2	Bosch	DS1102I	Glass Break Square 25 Ft	\$45.50	\$91.00
30	Bosch	D9127U	Popit With No Tamper Switch	\$30.03	\$900.90
1	Bosch	D9002-5	Bosch Mounting Skirt for D8103, B8103, D8019 Can	\$28.32	\$28.32
1	ELK	ELK-SS36	Interior Siren 2 Tone 108db	\$11.65	\$11.65
6	Seco-Larm	SS-074Q/BG	2 Button Hold up Alarm	\$10.97	\$65.82

3815 E. Everett, Spokane, WA 99217 ☎ www.CamtekInc.com ☎ Tel: (509) 443-2609 ☎ Fax: (509) 443-2722

All material, information and supplied system drawings and designs furnished with this proposal are strictly confidential in nature and are intended solely for the use of the above-mentioned client in evaluating Camtek, Inc. as a potential vendor. No portion of the supplied material may be reproduced or distributed in any form without the expressed written permission of Camtek, Inc.

Bosch Intrusion Detection \$16,603.00

Labor Schedule for: Bosch Intrusion Detection

QTY	Description	Rate	Ext. Price
140.00	Journeyman Prevailing Wage	\$95.00	\$13,300.00

Equipment Subtotal: \$3,303.00

Labor Subtotal: \$13,300.00

Bosch Intrusion Detection SubTotal: \$16,603.00

\$420.00

Monthly Professional Services Subtotal:

Professional Services : Monthly

Description	Ext. Price
Security Monitoring	\$420.00

Video Surveillance \$64,849.50

QTY	Manufacturer	Part #	Description	Unit Price	Ext. Price
1	Vicon	VPK-10TBV8-A-RK	10TB Rack Mount Storage Array	\$7,253.33	\$7,253.33
1	Vicon	SN230W	Outdoor Network PTZ Dome 1080P	\$3,257.14	\$3,257.14
6	Arecont	AV8185DN-HB	IP Dome Ceiling Mount In/Outdoor 8mp 180deg	\$2,568.00	\$15,408.00
4	Vicon	V9360	360 Degree Camera	\$955.71	\$3,822.84
1	Axis	5012-014	16 Port PoE Midspan 15W per port	\$905.32	\$905.32
8	Vicon	V942D-W310MIR-XS	Network Camera with IR	\$642.00	\$5,136.00
14	Vicon	FMC-TRM-A/B	Fiber Media Convertor	\$551.43	\$7,720.02
1	NEC	NEC-E325	NEC 32 LED Backlit Digital Signage Display	\$498.33	\$498.33
6	Vicon	VN-CAM-LIC	Vicon Connection License for Non Vicon Cameras	\$390.00	\$2,340.00
7	Altronix	ALTV244175UL	Pwr Sup 24Vac 3.5 Amp 28Vac 3 Amp Fused Outputs.	\$162.84	\$1,139.88
6	Vicon	V24CMB-1	Corner Mount IP Camera Bracket	\$125.00	\$750.00
7	Vicon	SVFT-UWM-1	Video Wall Mount Bracket	\$125.00	\$875.00
1	Peerless	PA740	Peerless Full Motion Plus TV Wall Mount 22-40 LCD	\$60.44	\$60.44
16	IEI	PIP24VDCRU	Linear Plug-in 24 VDC Power Supply/Transformer	\$30.20	\$483.20

Labor Schedule for: Video Surveillance

QTY	Description	Rate	Ext. Price
160.00	Journeyman Prevailing Wage	\$95.00	\$15,200.00

Equipment Subtotal: \$49,649.50

Labor Subtotal: \$15,200.00

Video Surveillance SubTotal: \$64,849.50

1 Year Maintenance Access/Security/Video \$4,328.33

QTY	Manufacturer	Part #	Description	Unit Price	Ext. Price
1	Camtek	Annual Maintenance	Access Control/Video/Security Full Maintenance	\$4,328.33	\$4,328.33

Labor Schedule for: 1 Year Maintenance Access/Security/Video

Equipment Subtotal: \$4,328.33

1 Year Maintenance Access/Security/Video SubTotal: \$4,328.33

\$420.00

Monthly Professional Services Subtotal:

Professional Services : Monthly

Description	Ext. Price
Security Monitoring	\$420.00

System Investment:

Total Equipment:	\$89,537.49
Total Labor:	\$45,600.00
Total Supplies & Materials:	\$120.00
Total Proposal Amount:	\$135,257.49
Monthly Professional Services:	
Note: The above price does not include sales tax.	\$840.00

- ☒ Progress Billings
- ☒ Purchase Order, Balance Upon Completion

Billing Address:

Site Address:

507 N Howard St
Spokane, WA 99201

Customer Acceptance:

Camtek, Inc.:

Signature

Signature

City of Spokane

Camtek, Inc.

Title

Print

July 16, 2018

July 16, 2018



August 3, 2018

Riverfront Park Pavilion

Modifications that Impacted Completion of Permit Documents

Performance Venue Changes- At the completion of the validation period, accommodations for the performance venue aspect of the Pavilion were thought to be resolved. Throughout the design and CD phases, components related to the performance venue were modified resulting in some changes and additional requirements (the stage was relocated, stairs in the seating terraces were added then deleted, power requirements were clarified, a spotlight platform was added, additional code studies were required and analysis of temporary facilities and exiting were required).

Electrical Changes- Several electrical changes were requested including those addressed by RFP Nos. 1 (Addition of Communications Scope), 1A (Re-Defined Communications Scope), 6 and 8.

= 16 Days

DRB and Permit Review- Likely due to the unusual nature of this project jurisdiction review did take some additional time. Three DRB meetings were necessary instead of the typical two sessions. Three rounds were required to fully address all permit review comments. Permit review time was impacted by the timing relative to the Fourth of July holiday.

Ceiling System- Originally, finished ceiling systems were shown and designed throughout most spaces in the West Building. In order to address Owner comments that the ceiling heights at the upper level were too low and to reduce costs, finished ceilings were eliminated in favor of exposed structure.

Restroom and Dressing Room Redesign- Main restrooms were redesigned to increase capacity and dressing rooms with toilets/showers were added as requested by the Owner.

PMO Requested Changes from Permit Documents- Not all changes requested are complete, but many have already been completed.



Mead, Lorraine

From: Jack Schneider <JSchneider@nacarchitecture.com>
Sent: Monday, September 17, 2018 11:58 AM
To: Mead, Lorraine; Nathon O'Neel
Cc: bellison@spokanecity.org; jlbrown@spokanecity.org; Keith Comes
Subject: RE: Skyroom and Comm Scope COP's with Backup

Hello Lorraine,

NAC-E has the following comments with respect to electrical scope:

RFP PAV-03 Skyrooms: No exceptions taken

RFP PAV-01 IT: No exceptions taken.

Thanks
Jack

Jack Schneider PE, LC, LEED AP
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Friday, September 14, 2018 12:00 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Cc: bellison@spokanecity.org; jlbrown@spokanecity.org
Subject: FW: Skyroom and Comm Scope COP's with Backup

Jack/Nate,

Can you please check the electrical pricing on the Skyrooms and on RFI PAV-01?

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Friday, September 14, 2018 11:43 AM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: Skyroom and Comm Scope COP's with Backup

Lorraine,

Attached are the COP's for the Comm and Skyroom with backup.

More on the way....

Thanks,

JOSH GRIGSBY
GARCO CONSTRUCTION | Project Manager



RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)

Project Name:	PAVILION	RFP No:	PAV - 06
Project No.	SC6B0322000	Date:	7/3/18
Owner:	Spokane Parks & Recreation		
Contractor:	Garco Construction	Architect/Eng:	NAC/Berger/Jacobs

Please furnish your proposal for performing the changes outlined below and/or detailed on the attachments if applicable. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, and equipment. It should also include any schedule impact if applicable.

Description: Parks requested that the DB team upgrade the Skyrooms to include Balconies with Folding Doors and Operable Walls and authorized \$7,500 for preliminary design. The preliminary design included an upgraded Audio/Visual package with high end ceiling speakers, amplifier, touch panel control and processors. Parks clarified that the Skyrooms only need a basic AV package for things like Birthday Parties and don't require microphones, and only require monitors in rooms 207 and 208. Provide revised pricing based on this criteria.

Scope - Finalized to Adding Balconies and Storefront Doors to one large room.

**ITEM #7****Garco Construction, Inc.**

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
1	Skyroom Balconies (Decks, Rails, Precast, Structural Steel, Demo)	1.0	LS	21,872	23,928	6,300	15,600	21,872	23,928	6,300	15,600	67,700
2	ROM for Double Doors and Storefront at the Patios (3 EA)	1.0	LS				30,000	-			30,000	30,000
3	Credit for Glazing at Balcony Doors (240 SF) - based on \$50.55/SF from 90% Estimate	1.0	LS				(12,132)				(12,132)	(12,132)
7	Power/Data/IT/AV Package - Power City Electric Quote Attached	1.0	LS				5,514	-			5,514	5,514
8	Design and CA Cost (Includes DCI re-design of Ceiling Structure due to Owner Comment)	1.0	LS				14,245	-			14,245	14,245
SUB-TOTALS								21,872	23,928	6,300	53,227	105,327
ADD-ONS:								12.00% (of Labor, Material & Equip.)				6,252
								4.00% (of Subcontract)				2,129
								SUB-TOTAL				113,708
Insurance								1.00% (of Subtotal)				1,137
Bond Premium								0.75% (of Subtotal)				853
								SUB-TOTAL				115,698
B & O Tax								0.47% (of Subtotal)				534
TOTAL - POTENTIAL CHANGE ORDER												\$ 116,232

SPECIFIC EXCLUSIONS:

1. WSST

Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Other Amount	Total Amount
GENERAL CONDITIONS							
General Conditions							
Forklift(s)	1.00 MO	-	-	-	1,650	-	1,650
Crane - 55 Ton	0.50 MO	4,492	-	-	3,000	-	7,492
40' Zoom Boom(s)	1.00 MO	-	-	-	1,400	-	1,400
Welder(s)	0.50 MO	-	-	-	250	-	250
SITework							
Demolition							
Demo Existing Concrete	72.00 MH	4,896	-	0	-	-	4,896
CONCRETE							
Concrete Slabs							
Concrete Slabs - Complete	288.00 SF	1,632	1,872	-	-	-	3,504
Plant-Cast Conc. Panels							
Purchase Precast Concrete Panels	3.00 EA	-	15,000	-	-	-	15,000
Erect Precast Panels	3.00 EA	4,896	0	-	-	-	4,896
METALS							
Structural Steel							
Erect Beams	12.00 EA	2,040	6,000	-	-	-	8,040
Miscellaneous Welding	1.00 LS	2,448	-	-	-	-	2,448
Ledger Angles	96.00 LF	816	192	-	-	-	1,008
Metal Decking							
Metal Decking	288.00 SF	653	864	-	-	-	1,517
DOORS & WINDOWS							
Glass & Glazing							
Glass & Glazing	3.00 EA	-	-	15,600	-	-	15,600

Estimate Totals

Description	Amount
Labor	21,872
Material	23,928
Subcontract	15,600
Equipment	6,300
Other	
	67,700

Total



Pavilion Reimaging design-build with Garco Construction

City of Spokane

Alternates- Extra Service

February 28, 2018

	Hours	Rate	Cost	
Add Balconies at Sky Rooms				
Time thru DD				
Initial development/documentation	10	145	1450	
Discuss in meetings/coordinate	2	145	290	
Manage	2	250	500	
DCI	1	500	500	
Contingency	2	145	290	3030
Construction Docs				
Complete documentation	20	145	2900	
Make owner requested/ VE changes	6	145	870	
Discuss in meetings/coordinate	2	145	290	
Manage	2	250	500	
DCI	1	2000	2000	6560
Construction Admin				
Construction Observation	4	145	580	
Make owner requested/ VE changes	3	145	435	
Discuss in meetings/coordinate	2	145	290	
Manage	1	250	250	
DCI	1	500	500	2055
DCI Re-Design after Ceiling Change				2600
Total Fee				14245



3327 E. Olive, Spokane WA 99202
 (509) 535-8500, Ext 1016
 fax (509) 535-8598

DATE 5-Sep-18
JOB Skyroom AV
PROJECT Howard Street Promenade

DESCRIPTION		AMT.	MTRL.	LABOR	MTRL. EXT.	LBR. EXT.	EXTENSION
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
AV	1		\$ 1,477.00	\$494.40	\$1,477.00	\$494.40	\$1,971.40
PCE SCOPE	1		\$ 541.20	\$2,101.20	\$541.20	\$2,101.20	\$2,642.40
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
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			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
			\$ -	\$0.00	\$0.00	\$0.00	\$0.00
SUBTOTAL				\$0.00	\$2,018.20	\$2,595.60	\$4,613.80
							42.0

DIRECT JOB EXPENSES		
Truck/Trailer	All Terrain cart	Fork Lift
\$230.00		
Vault shipping	Sm tools/Consum	PERMIT
	\$116.80	
HOUSE KEEPING	Safety	Large Tools
\$25.96	\$25.96	

MATERIAL TOTAL	\$2,018.20
LABOR TOTAL	\$2,595.60
JOB EXPENSE	\$398.71
SUBTOTAL	\$5,012.51
OH & P	\$501.25
TOTAL	\$5,513.77

DESCRIPTION OF WORK;



DIMENSIONAL COMMUNICATIONS, INC.

Helping people communicate better since 1973

SCOPE LETTER REVISION #2

To: Power City Electrical Contractors

August 22, 2018

Project: Riverview Park US Pavilion – City of Spokane 100% CD

Attn: Mr. Steve Gilbertz

Please receive our quotation for the above referenced project. Our quotations are lot price per plans and specifications and exclude any applicable sales tax. All sectional work is provided with the following exceptions:

We ask that you:

Provide standard raceways with pull strings, back boxes and j-boxes, provide any A.C. power requirements and provide any required grounding facilities; install all specialty backboxes provided by Dimensional. Pull and clearly identify conductors per Dimensional's drawings. Dimensional's cost includes sufficient cable to complete the project at no additional cost. Cable footages are for comparison purposes only; actual footages may be more or less than indicated. Electrical Contractor is responsible for ensuring they have estimated sufficient labor to pull-in all required cable for this project.

SECTION	DESCRIPTION	PRICE
---------	-------------	-------

Alternate Bid for Sky Rooms AV

274113

Audio-Video Distribution System (DCI Install Low Voltage Cable)
(Per drawings 7 and 8 on sheet E 7.06)

Alternate Bid Complete: \$ 1,477.00
(Add to Base)

All Cost Exclude Washington State Sales Tax

This proposal **excludes** a bid bond and performance bond; both available upon request. Our work consists of providing all material, specialty boxes, wire, devices, trim of devices, engineering, submittals, drawings (up to 4 sets), testing, operation and maintenance manuals (up to 4 sets) and warranty.

Sincerely,

Rob Custer
Vice President DCI

1863 1ST Street – Cheney, WA 99004
Voice: (509) 481.9009 Fax: (360) 424-8872 Email: alh@dimensional.net

Commercial

Entrances & Storefronts
Stanley Automatic Doors
Curtain Walls
Glass & Glazing



6615 E Main Ave
Spokane, WA. 99212
Phone# (509) 532-0252
Fax# (509) 532-0253
Contractor Number : RIVERCG034L7

Proposal Submitted To: Garco	Phone # Fax#	Date: 8/31/2018 Job Phone:	Date of Plans:
Street:	Job Name: Pavilion	Addendum:	
City, State and Zip:	Job Address: Spokane WA	Attention: Josh Grigsby	

Furnish and Install

Aluminum entry doors with side lites and transoms

Kawneer 500 wide stile doors, dark bronze finish, continuous hinges, sweeps, hardware B/O installed by RCG
wide stiles, crossrails, 10" bottom rail

Sidelights to be Kawneer 451t, front plane, bronze anodized finish, head comp, subsill, thermally broken

Glass to be sb 70 low e, 1" overall, tempered where required

Bid = \$38,202

Pictures attached

ROM for Skyroom Balconies was estimated from data on this quote. This quote is for the openings where the hydraulic doors used to be (6 ea). The cost per opening on this quote was \$6367.00 (not including door hardware). The skyroom openings would be a little bit bigger and needed to add door hardware (ROM) so I came up with a total ROM of \$30,000 (\$10,000 per opening).

**Exclusions - Preparation and protection of openings, taxes, testing, furnishing of hardware
final cleaning, final keying, demolition, break metal, trim**

Alexander Cazier

alex@rivercityglass.com

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practice.

Any alteration or deviation from above specification involving extra cost will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon, strikes, accident's or delays beyond our control.

Owner to carry fire, tornado and necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

THIS PROPOSAL IS VALID FOR 30 DAYS

Authorized Signature

Acceptance of Proposal. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Payment will be made as outlined above

Signature: _____

Date of Acceptance: _____

Project Name: Pavilion

8/31/2018 10:14 AM

Frame Set Name: change order proposal

Frame Name: Door S100A VE

Metal Group: rcg 451t Fg/ss/og with head comp

D/S: 1 Frame Type: Standard

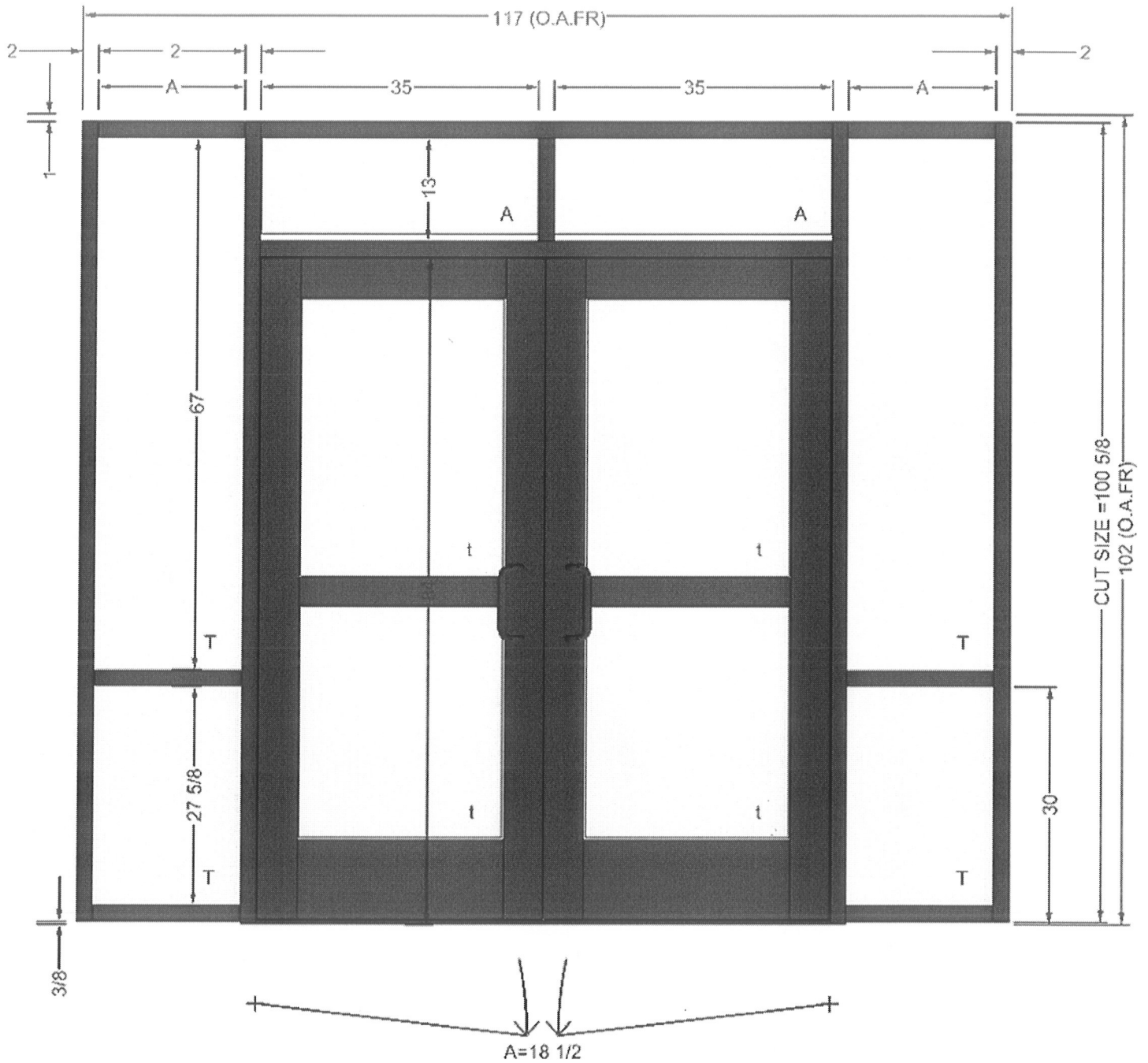
Required: 1 Panels: 3 Rows: 2

Frame Width: 117

Frame Height: 102

Back Member Color: #40 DARK BRONZE : PERMANODIC

Face Member Color: #40 DARK BRONZE : PERMANODIC



8/31/2018 10:14 AM

Frame Name: Door S100B VE

D/S: 1 **Frame Type:** Standard

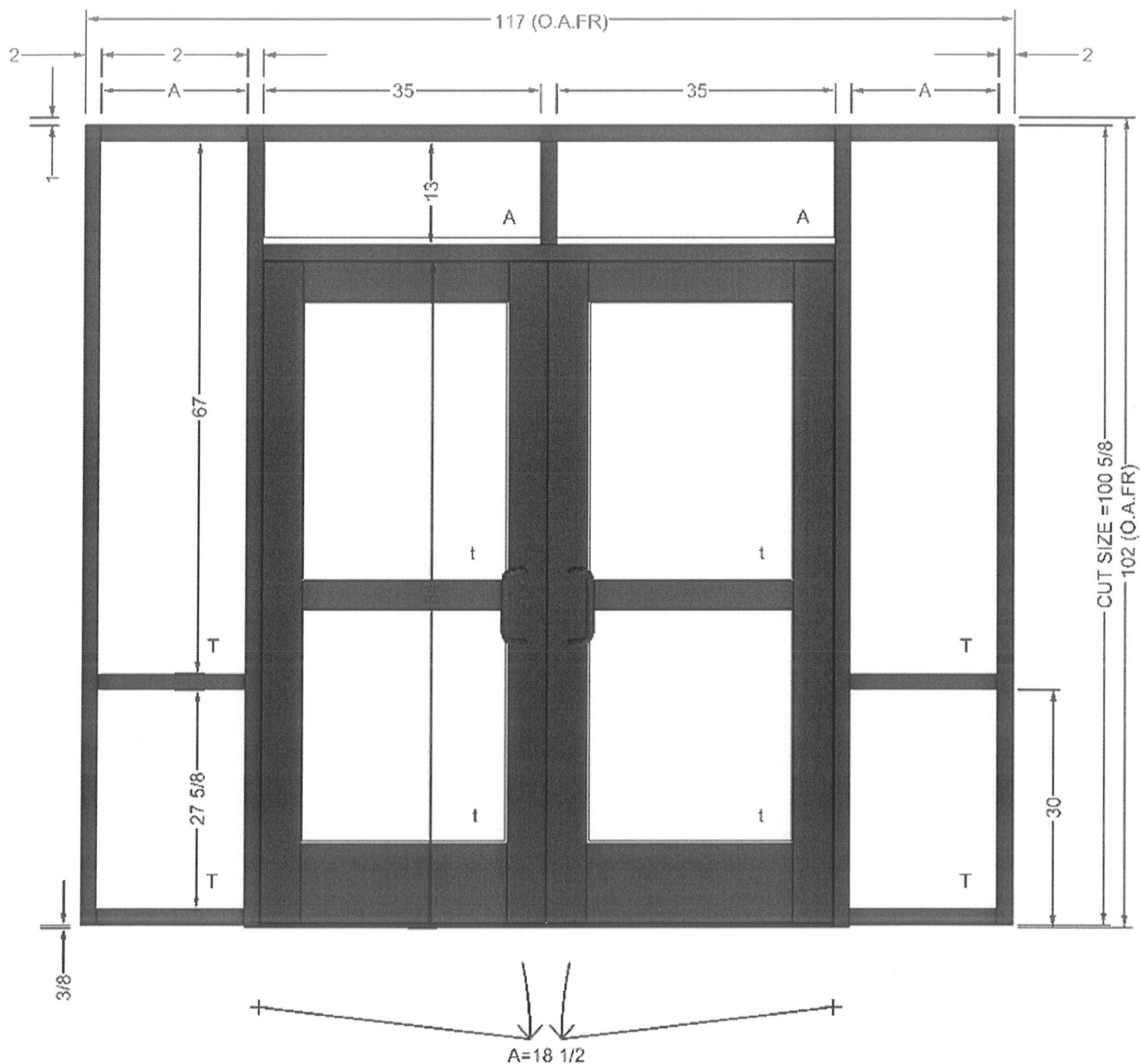
Panels: 3

Rows: 2

Frame Width: 117

Frame Height: 102

Face Member Color: #40 DARK BRONZE : PERMANODIC



Project Name: Pavilion

8/31/2018 10:14 AM

Frame Set Name: change order proposal

Frame Name: Door S100C VE

Metal Group: rcg 451t Fg/ss/og with head comp

D/S: 1 Frame Type: Standard

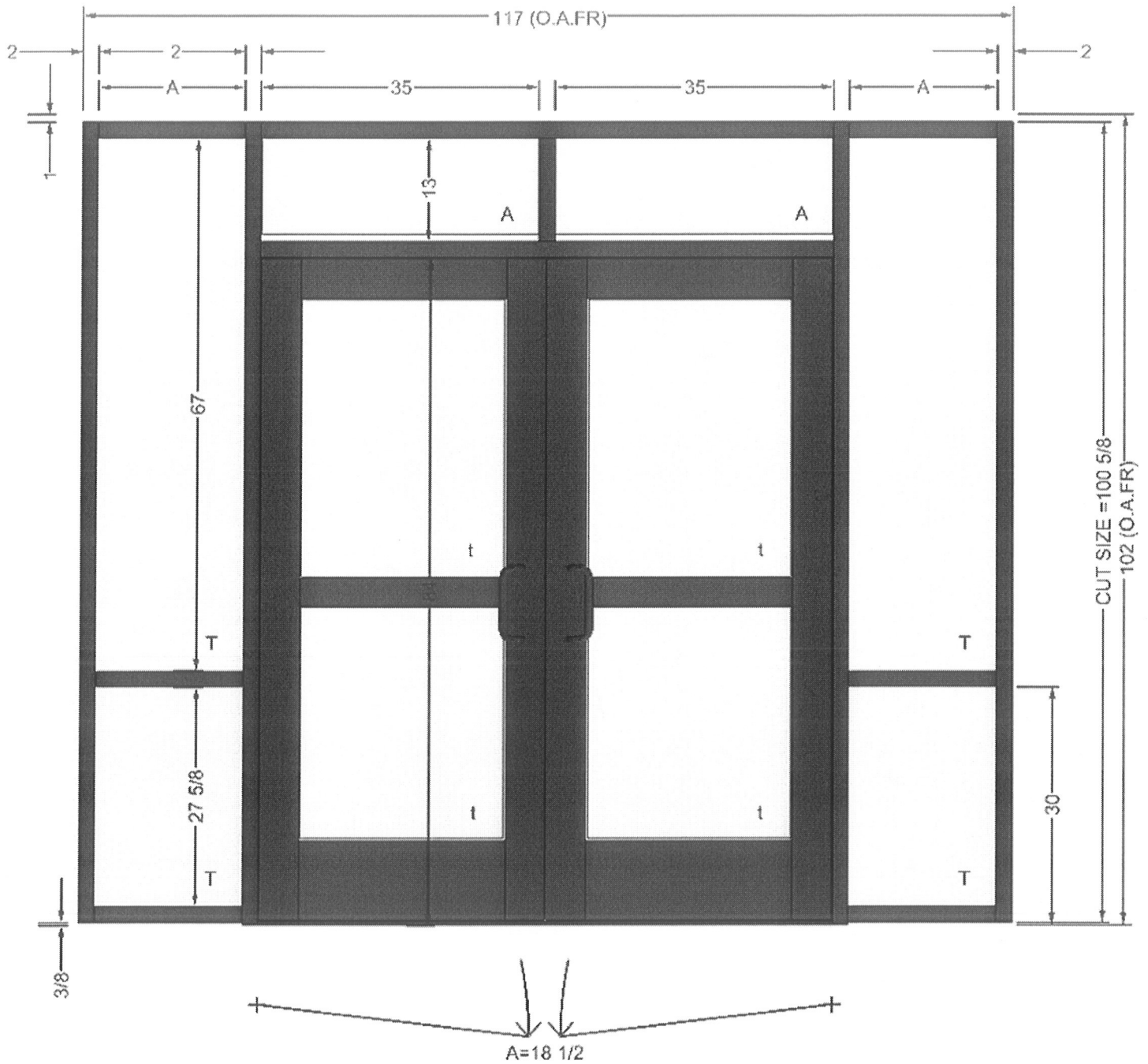
Required: 1 Panels: 3 Rows: 2

Frame Width: 117

Frame Height: 102

Back Member Color: #40 DARK BRONZE : PERMANODIC

Face Member Color: #40 DARK BRONZE : PERMANODIC



Project Name: Pavilion

8/31/2018 10:14 AM

Frame Set Name: change order proposal

Frame Name: Door 100D VE

Metal Group: rcg 451t Fg/ss/og with head comp

D/S: 1

Frame Type: Standard

Required: 1

Panels: 3

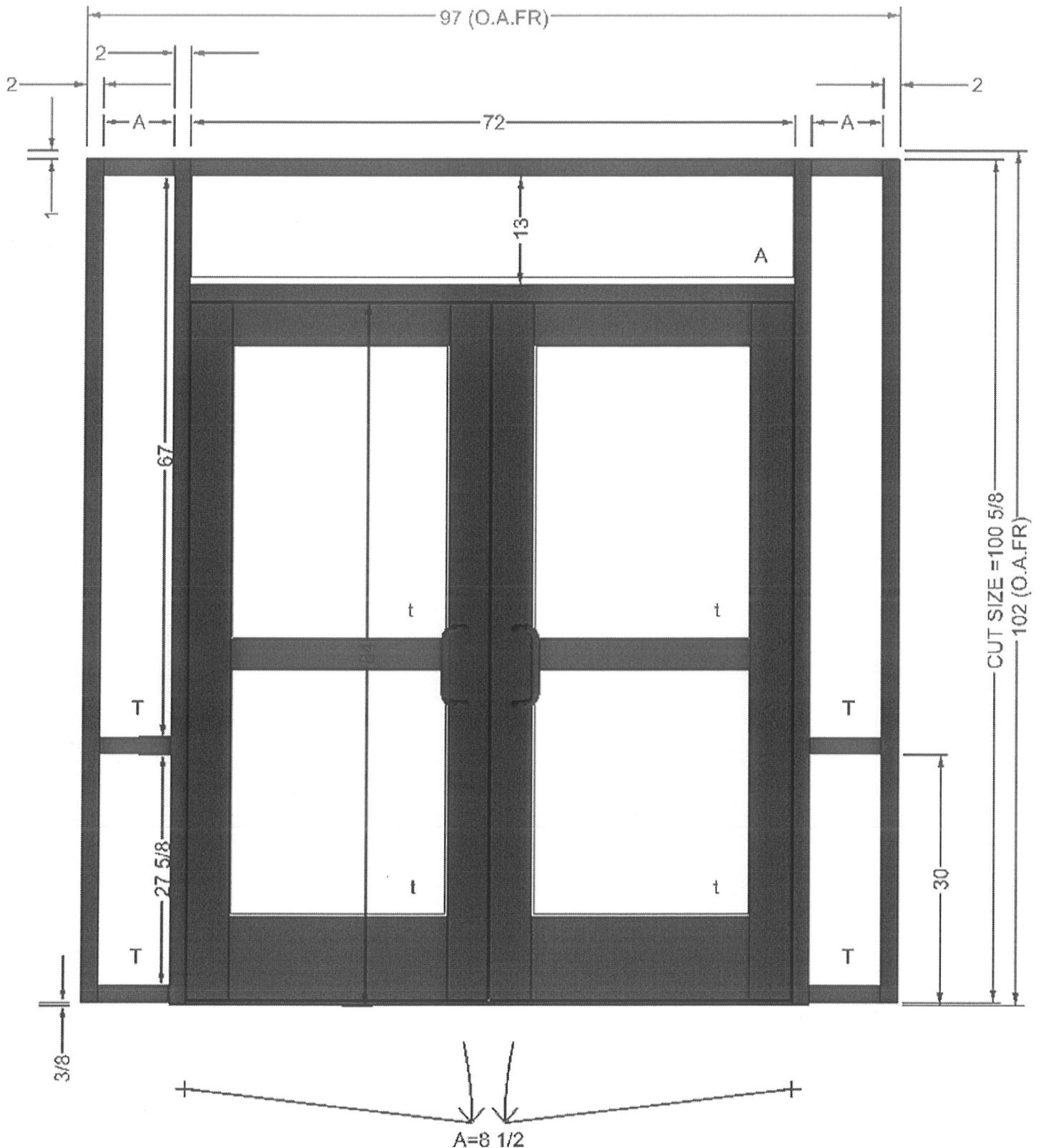
Rows: 2

Frame Width: 97

Frame Height: 102

Back Member Color: #40 DARK BRONZE : PERMANODIC

Face Member Color: #40 DARK BRONZE : PERMANODIC



Project Name: Pavilion

8/31/2018 10:14 AM

Frame Set Name: change order proposal

Frame Name: Door 100E VE

Metal Group: rcg 451t Fg/ss/og with head comp

D/S: 1

Frame Type: Standard

Required: 1

Panels: 3

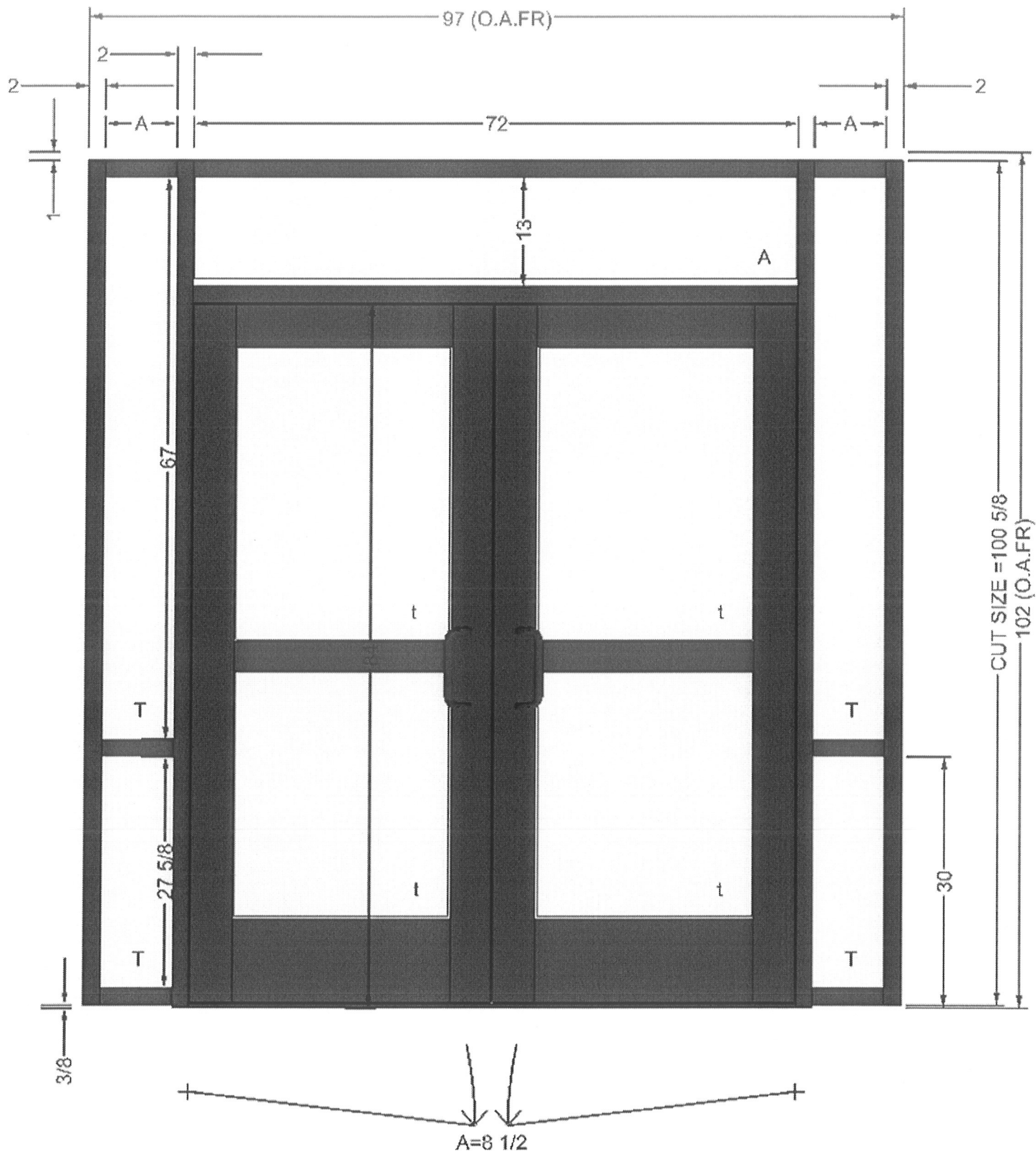
Rows: 2

Frame Width: 97

Frame Height: 102

Back Member Color: #40 DARK BRONZE : PERMANODIC

Face Member Color: #40 DARK BRONZE : PERMANODIC



Project Name: Pavilion

8/31/2018 10:14 AM

Frame Set Name: change order proposal

Frame Name: Door 100F VE

Metal Group: rcg 451t Fg/ss/og with head comp

D/S: 1

Frame Type: Standard

Required: 1

Panels: 3

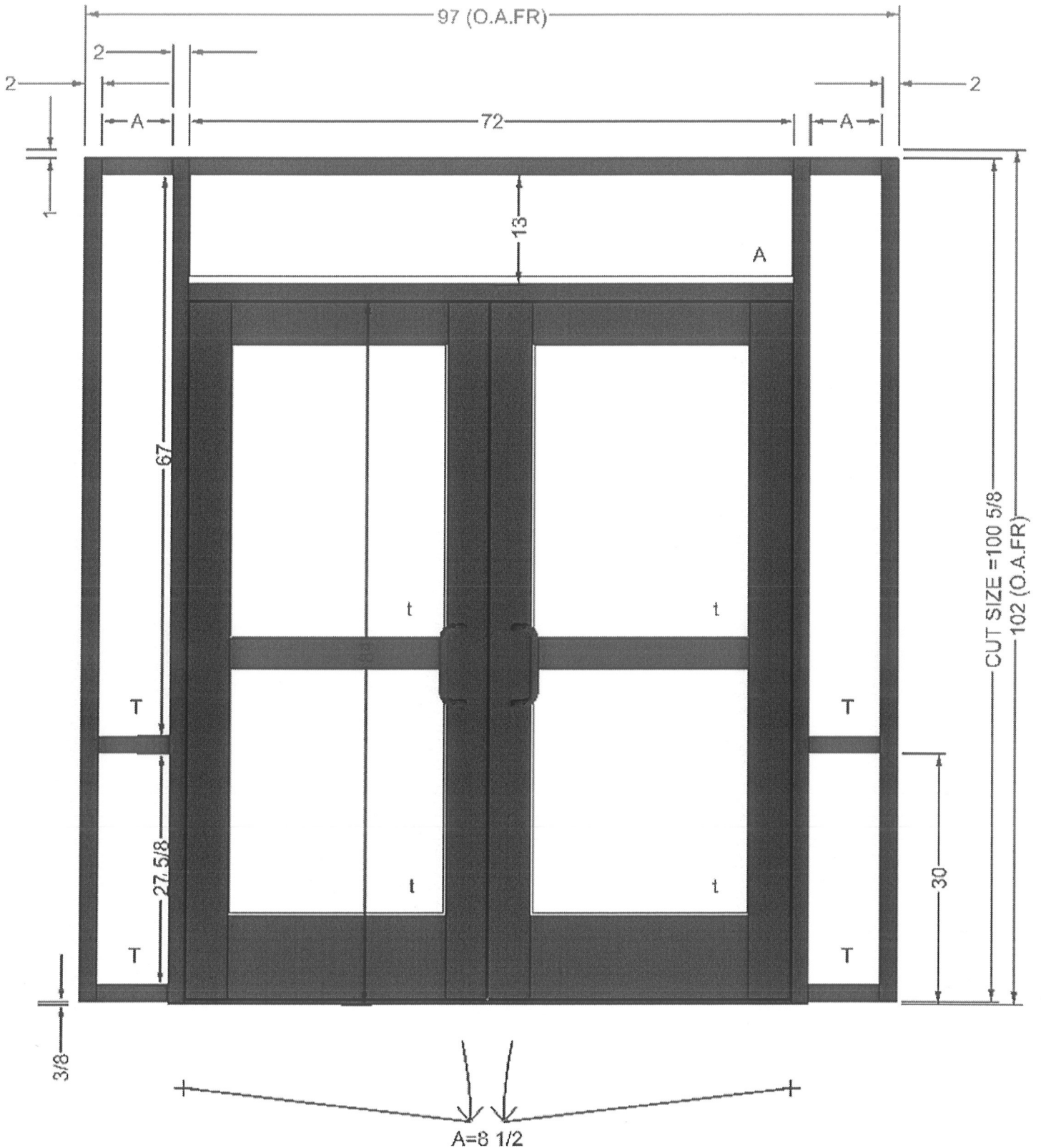
Rows: 2

Frame Width: 97

Frame Height: 102

Back Member Color: #40 DARK BRONZE : PERMANODIC

Face Member Color: #40 DARK BRONZE : PERMANODIC





Hill International

10/04/18

PAV RFP#6 Skyroom Enhancements - Add Balconies

Based on the backup and subcontractor quotes – this pricing seems reasonable for this work.

Lorraine Mead



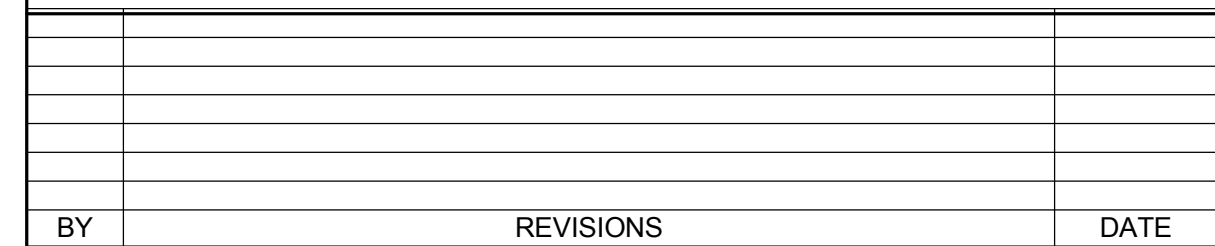
RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)


Project Name:	PAVILION	RFP No:	PAV 10
Project No.	SC6B0322000	Date:	9/25/18
Owner:	Spokane Parks & Recreation		
Contractor:	Garco Construction	Architect/Eng:	NAC/Berger/Jacobs

Please furnish your proposal for performing the changes outlined below and/or detailed on the attachments if applicable. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, and equipment. It should also include any schedule impact if applicable.

Description: Provide pricing to design and install the signage noted on the attached Signage Coordination Drawings dated September 21, 2018. This is in addition to other signage noted in the review comments. Please note that the power and low voltage rough-in for the signage at the NE Entry was part of the Validation scope.



LOCATION BRASS CAP ON CONCRETE WALL AT SW CORNER OF HOWARD STREET BRIDGE.		
ELEVATION	1878.66'	HORIZONTAL (AS NOTED)
CBM NO.	43N, 44W NAVD 88	VERTICAL (AS NOTED)
CITY DATUM		SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0  1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



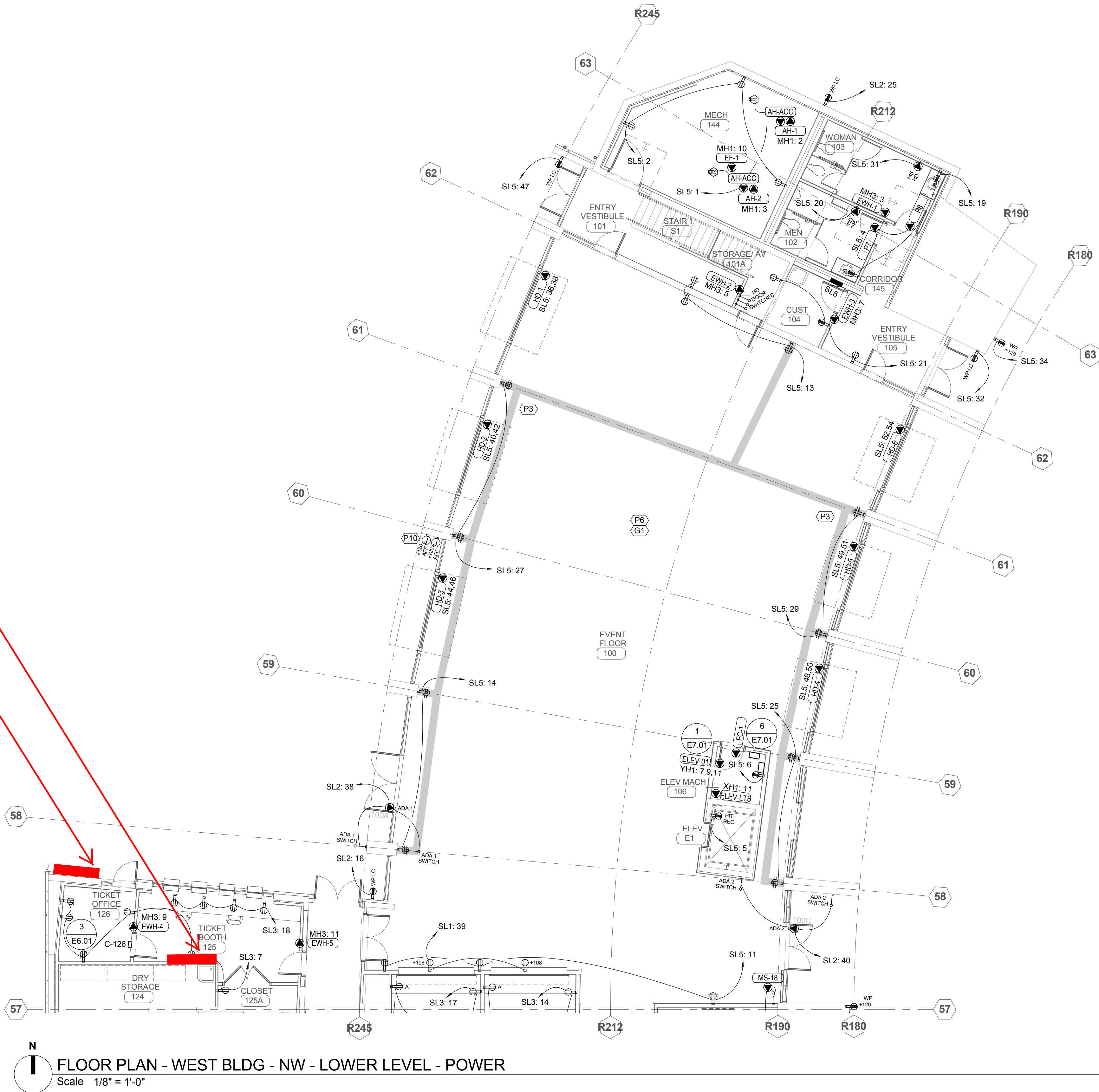
PROJECT TITLE:	RIVERFRONT PARK US PAVILION 100% CD
SHEET TITLE:	ELECTRICAL SITE PLAN

UTILITY COMPANY CONTACTS	
	<p><u>PHONE & FIBER SERVICE:</u></p> <p>CENTURY LINK</p> <p>BRENT SMITH</p> <p>CUSTOMER PROJECT COORDINATOR</p> <p>509-540-5322</p> <p>BRENT.SMITH@CENTURYLINK.COM</p>
	<p><u>POWER SERVICE:</u></p> <p>AVISTA</p> <p>MIKE BOSSHARDT</p> <p>CUSTOMER PROJECT COORDINATOR</p> <p>509-495-2058</p> <p>MIKE.BOSSHARDT@AVISTACORP.COM</p>

SHEET ISSUE DATE: 07-02-2018	
DIGITALLY SIGNED:	
TYPE OF IMPROVEMENT:	ARCHITECTURAL
CITY PURCHASING NUMBER	DRAWING NUMBER
OPR2017-0373	E1.01
P#:	OF #
REVISION NO.:	

CURRENT EVENT DISPLAY MONITOR
REQUIRED IN THIS LOCATION.
DATA AND POWER REQUIRED.
PLEASE HAVE NAC PROVIDE CONCEPT/
RECOMMENDATION.

FUTURE EVENT DISPLAY MONITOR
REQUIRED IN THIS EXTERIOR LOCATION.
DATA AND POWER REQUIRED.
PLEASE HAVE NAC PROVIDE CONCEPT/
RECOMMENDATION.



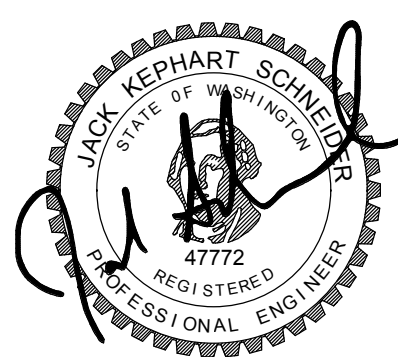
FLOOR PLAN - WEST BLDG - NW - LOWER LEVEL - POWER

Scale 1/8" = 1'-0"

RIVERFRONT PARK
PAVILION SIGNAGE COORDINATION

SEPT 21, 2018
B. ELLISON
2 OF 3

100% CD



SHEET ISSUE DATE: 07-02-2018

DIGITALLY SIGNED: --

TYPE OF IMPROVEMENT: ARCHITECTURAL

CITY PURCHASING NUMBER

OPR2017-0373

REVISION NO.

E3.01

NAC
ARCHITECTURE
nacarchitecture.com

LOCATION: BRASS CAP ON CONCRETE WALL AT SW CORNER
OF HOWARD STREET BRIDGE

ELEVATION: 1878.66'

CITY DATUM

SCALE

BAR IS ONE INCH ON
ORIGINAL DRAWING.
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

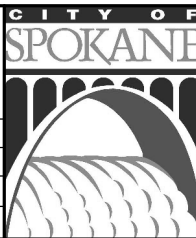
CURRENT DESIGN STANDARDS
CCS - ADOPTED 2/95

DRAWN: VVO

DESIGNED: NDO

CHECKED: JKS

APPROVED: JKS



CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF PARKS AND RECREATION

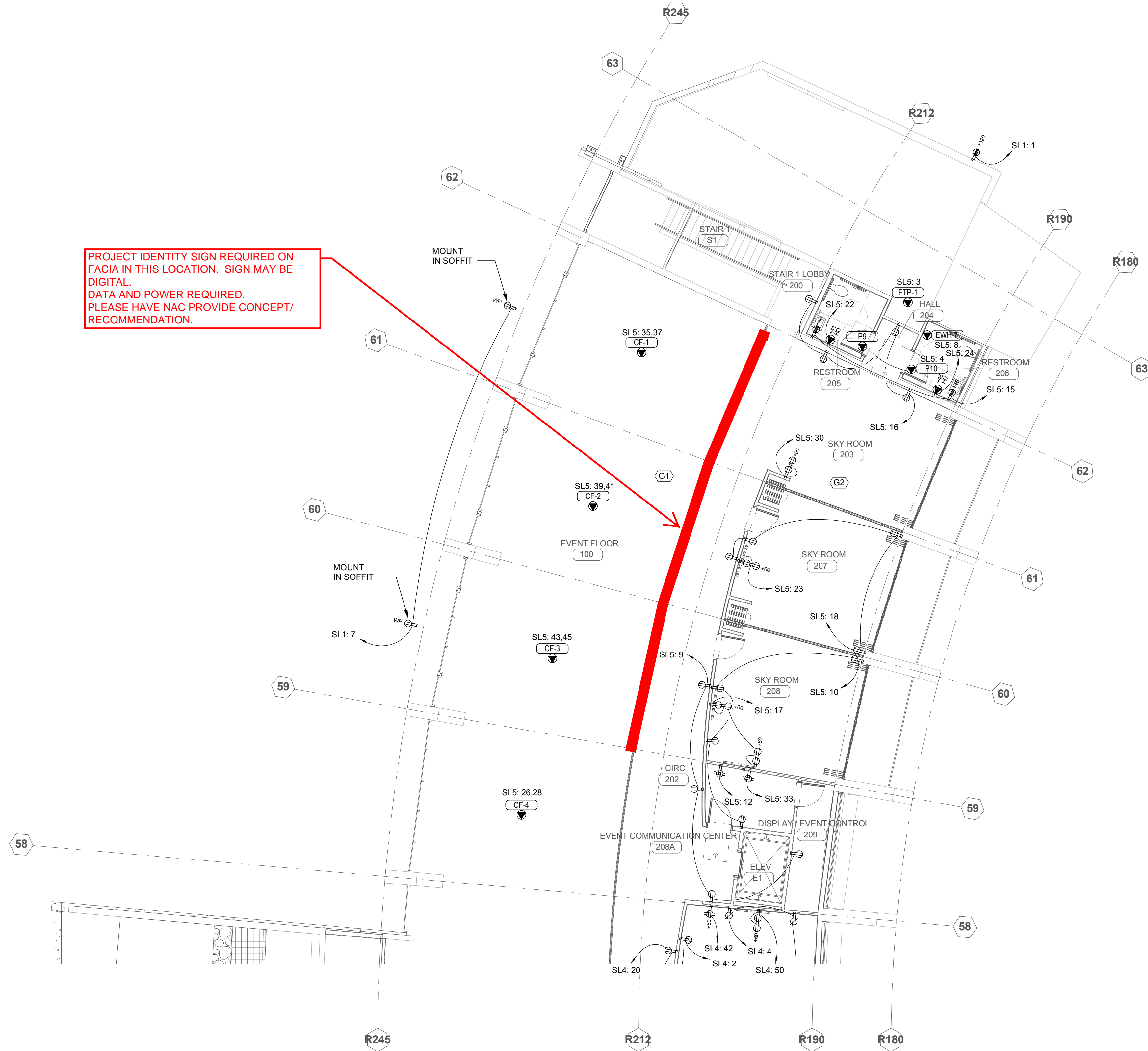
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6200

PROJECT TITLE: RIVERFRONT PARK US PAVILION

100% CD

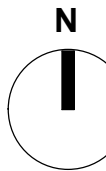
SHEET TITLE:

FLOOR PLAN - WEST BLDG - NW - LOWER LEVEL - POWER



PROJECT IDENTITY SIGN REQUIRED ON
FACIA IN THIS LOCATION. SIGN MAY BE
DIGITAL.
DATA AND POWER REQUIRED.
PLEASE HAVE NAC PROVIDE CONCEPT/
RECOMMENDATION.

RIVERFRONT PARK
PAVILION SIGNAGE COORDINATION
SEPT 21, 2018
B. ELLISON
3 OF 3



FLOOR PLAN - WEST BLDG - NW - UPPER LEVEL - POWER
Scale 1/8" = 1'-0"

BY	REVISIONS	DATE

NAC
ARCHITECTURE
nacarchitecture.com

LOCATION BRASS CAP ON CONCRETE WALL AT SW CORNER OF HOWARD STREET BRIDGE	
ELEVATION 1878.66'	HORIZONTAL (AS NOTED)
CBM NO. 43N, 44W NAVD 83	VERTICAL (AS NOTED)
CITY DATUM	SCALE

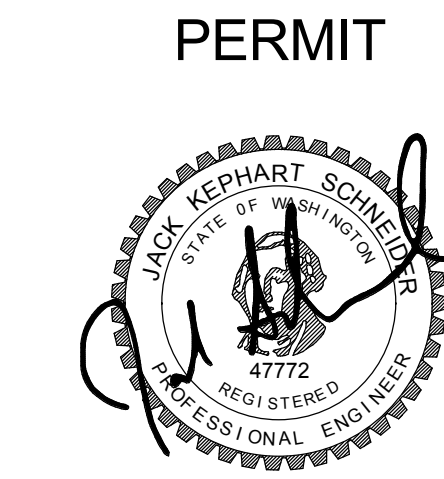
BAR IS ONE INCH ON
ORIGINAL DRAWING.
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

CURRENT DESIGN STANDARDS CCS - ADOPTED 2/95	
DRAWN WVO	DESIGNED NBO
CHECKED JKS	APPROVED JKS



CITY OF SPOKANE, WASHINGTON
DEPARTMENT OF PARKS AND RECREATION
808 WEST SPOKANE FALLS BLVD.
SPOKANE, WASHINGTON 99201-3343
(509) 625-6200

PROJECT TITLE:	RIVERFRONT PARK US PAVILION
	PERMIT
SHEET TITLE:	FLOOR PLAN - WEST BLDG - NW - UPPER LEVEL - POWER



DIGITALLY SIGNED: --	
TYPE OF IMPROVEMENT:	ARCHITECTURAL
CITY PURCHASING NUMBER	DRAWING NUMBER
OPR2017-0373	E3.03
PR: OF #	REVISION NO.

Riverfront Park Pavilion



Added Signage Locations at Pavilion

9-28-18

Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Power City Electric (See attached Scope Breakdown)	1.0	LS				18,774	-	-	-	18,774	18,774
	NAC Electrical Design (ROM) Rough-In Only	1.0	LS				6,000	-	-	-	6,000	6,000
	Garco Labor and Equipment for Excavation - 1 operator and excavator for 2 weeks and a laborer for trenching & backfill	1.0	WK	8,856		1,302		8,856	-	1,302		10,158
SUB-TOTALS								8,856	-	1,302	24,774	34,932
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				1,524
								OH&P: on Garco (as subcontractor) subcontracted work				991
SUB-TOTAL											37,447	
Insurance								1.00% (of Subtotal)				374
Bond Premium								0.75% (of Subtotal)				281
SUB-TOTAL											38,102	
B & O Tax								0.47% (of Subtotal)				176
TOTAL - POTENTIAL CHANGE ORDER											\$ 38,278	

SPECIFIC EXCLUSIONS:

- WSS I, THIS INCLUDES CONDUIT ROUGH-IN ONLY.
- No Wire, Panel Upgrades or Signage is Included



E. 3327 OLIVE
SPOKANE, WA 99202
PHONE: (509) 535-8500
FAX: (509) 535-4665

Proposal

PROPOSAL SUBMITTED TO Garco Construction	DATE 9/28/18
STREET 4114 E Broadway	JOB NAME RFP-10 Added sign rough in
CITY, STATE, AND ZIP CODE Spokane WA 99202	JOB LOCATION 507 N Howard St Spokane, WA 99201
ATTN: Josh Grigsby	PHONE: 509-535-4688

Josh,

Thank you for the opportunity to provide a proposal for the above mentioned project. As always, if I can provide any further information or clarification please do not hesitate to contact me.

General Inclusions

- Includes an empty 1" conduit for data per future sign.
- Includes an empty 1" power for power per sign.
 - Includes 50' of above ground conduit to be run to a panel designated later by NAC
- Includes 3 hand holes.

General Exclusions

- Excavation
- Removal or patching of Concrete or Asphalt.
- Overtime.
- Sales tax.
- Bond is available by request.
- All wire
- Sign conductors or termination. Raceway only is included.

Total Price \$ 18,774.00

Thank you for the opportunity.

Steve Gilbertz
509-481-0465
PM/Estimator

Proposal Acceptance:		
Authorized Customer Signature	Printed Name	Date

JOB #1956: ID RFP Pavillion
JOB NAME RIVERFRONT PARK-PAVILION
EST. #06: ID RFP PAV
ESTIMATE RFP #PAV 10- SIGNAGE
PRINTED 9/28/2018 11:56:17 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

RFP-10
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
	HH	3.00		1,425.00	9.0000
1"	GRC 90 ELBOW	18.00	EACH	142.56	9.0000
3/4"	HOLE DRILL & PATCH	3.00	EACH	15.00	2.4000
1"	EMT 90 ELBOW	6.00	EACH	26.33	1.5000
1"	GRC	30.00	FEET	93.00	2.1000
3/4"	EMT 90 ELBOW	18.00	EACH	49.98	3.9600
3/4"	CONDUIT HANGER	52.00	EACH	78.00	13.0000
1"	CONDUIT HANGER	25.00	EACH	37.50	6.2500
1"	EMT	200.00	FEET	240.00	11.0000
3/4"	EMT	410.00	FEET	287.00	20.5000
1"	EMT STEEL SS COUP	24.00	EACH	10.01	1.4400
1"	EMT STEEL SS CONN	6.00	EACH	2.45	0.7200
1"	PVC SCH 40 UGRD	2,160.00	FEET	837.18	86.4000
1"	PLASTIC BUSHINGS	2.00	EACH	0.68	0.5000
1"	PVC ADPT/FEMALE	12.00	EACH	3.61	2.1600
3/4"	EMT STEEL SS COUP	45.00	EACH	11.98	2.2500
1/4-20	TAMPIN	77.00	EACH	20.21	12.3200
3/4"	EMT STEEL SS CONN	12.00	EACH	2.60	1.2000
3/4"	PLASTIC BUSHINGS	2.00	EACH	0.45	0.4000
	NYLON LINE	2,420.00	FEET	35.09	2.4200
Grand Totals				3,318.63	188.5200

Mead, Lorraine

From: Nathon O'Neel <NONeel@nacarchitecture.com>
Sent: Friday, October 5, 2018 7:59 AM
To: Mead, Lorraine
Cc: Jack Schneider
Subject: RE: More COP's with Backup

Lorraine,

The electrical costs based on my understanding of the scope of work appears to be within reason for these three. I'll look at the ones you sent in the first email next.

Regards,

Nathon O'Neel BSEE, MBA
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Thursday, October 04, 2018 4:38 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Subject: FW: More COP's with Backup

Team,

Here are a few more – sorry.

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Thursday, October 4, 2018 4:09 PM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: More COP's with Backup

Last couple coming...



RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)

Project Name:	PAVILION	RFP No:	PAV 07
Project No.	SC6B0322000	Date:	6/27/18
Owner:	Spokane Parks & Recreation		
Contractor:	Garco Construction	Architect/Eng:	NAC/Berger/Jacobs

Please furnish your proposal for performing the changes outlined below and/or detailed on the attachments if applicable. The quotation should include an itemized breakdown of contractor and subcontractor costs, including labor, materials, rentals, approved services, and equipment. It should also include any schedule impact if applicable.

Description: Provide pricing for the following proposed changes that were part of the Permit Document review. Please provide a separate price for each item so that each can be evaluated and chosen separately. Refer to the PMO Comment drawings on the referenced page for more detail if needed.

ADMINISTRATION BUILDING

1. Work with RFP staff to reconfigure Commissary Kitchen and move the Exhaust Hood to exterior wall.(G2.02)
1. Increase ticket windows from 3 to 4. Add duplex to Ticket Office and change 2 of the receptacles to 4 plex in ticket booth. (A3.01a & E4.01)
2. Add Casework in Expo and 74 Rooms as well as Skyrooms and Office area. (A3.01b, A3.02a & b)
3. Add 2 monitors for show feed to Event Prep Rooms. (A3.01b & E3.02)
4. Provide design solution to screen/conceal office activities (Grid 52 – 59) from evening events. (A4.01)
5. Increase size of storage room under north stairs. (A3.01a)
6. Change door 120B to a double door into service corridor. (A3.01b)
7. Add 2 – 2” Conduits from Event Communications Room to Security, stage location, mix position and spotlight location. (The building part is the addition. The conduits were already shown to the Stage location). Add additional receptacles to this room and 6 network jacks (E3.03)



RIVERFRONT PARK MODERIZATION

Request for Proposal (RFP)

PAVILION SITE

1. Extend Grind & Overlay on asphalt path on the south side of the Pavilion east. (LM1.06)
2. Place the 5 trees on the SE side of Admin Building in moveable planters. (LP1.01)
3. Motorize the yard gate and add prox card swipe and key pad. (A1.04)
4. Add one more utility outpost (with water) at north side of Pavilion Floor (Asked for 4 more at 90%) for a total of 8. (E1.01)
5. Add 2 utility outposts without water in the Central Plaza. (E1.01)
6. Add 2nd Event Power at NW corner of Central Plaza. (E1.01)



Hill International

10/04/18

PAV RFP#7 Permit Review Changes

I have reviewed the pricing of the all the included issues (except Electrical which was reviewed by NAC).
Based on the backup hours and subcontractor quotes – this pricing seems reasonable for this work
based on current market conditions.

Lorraine Mead

Mead, Lorraine

From: Nathon O'Neel <NONeel@nacarchitecture.com>
Sent: Friday, October 5, 2018 8:08 AM
To: Mead, Lorraine
Cc: Walker, Matthew; Jack Schneider
Subject: RE: RFP 7 COP's With Backup

Lorraine,

The electrical costs for these items are within reason.

Regards,
Nathon O'Neel BSEE, MBA
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Thursday, October 04, 2018 3:18 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Cc: Walker, Matthew <MatthewWalker@hillintl.com>
Subject: FW: RFP 7 COP's With Backup

Nate/Jack,

As discussed with Nate, Can you please review the PCE items on the attached from Garco so I can put these in a CO tomorrow. If I could get them by 9am that would be great. Sorry for the late notice and very short deadline.

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Thursday, October 4, 2018 3:08 PM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: RFP 7 COP's With Backup

Lorraine,

Attached are the RFP7 COP's with backup as requested. I also added in the added panel in service yard COP because that is a hard cost and not a ROM. I am working on the remaining items now.

Thanks,

JOSH GRIGSBY
GARCO CONSTRUCTION | Project Manager
o: (509) 535-4688 |
c: (509) 953-8456 | joshg@garco.com



Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Cost	1.0	LS				2,800	-	-	-	2,800	2,800
	River City Glass Cost for Ticket Window	1.0	LS				1,733	-	-	-	1,733	1,733
	Power City Electric Cost for Outlet Adds	1.0	LS				712	-	-	-	712	712
SUB-TOTALS								-	-	-	5,245	5,245
ADD-ONS:								15.00% (of Labor, Material & Equip.)				-
								4.00% (of Subcontract)				210
SUB-TOTAL											5,455	
Insurance								1.00% (of Subtotal)				55
Bond Premium								0.75% (of Subtotal)				41
SUB-TOTAL											5,550	
B & O Tax								0.47% (of Subtotal)				26
TOTAL - POTENTIAL CHANGE ORDER											\$ 5,576	

SPECIFIC EXCLUSIONS:

1. WSST



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:

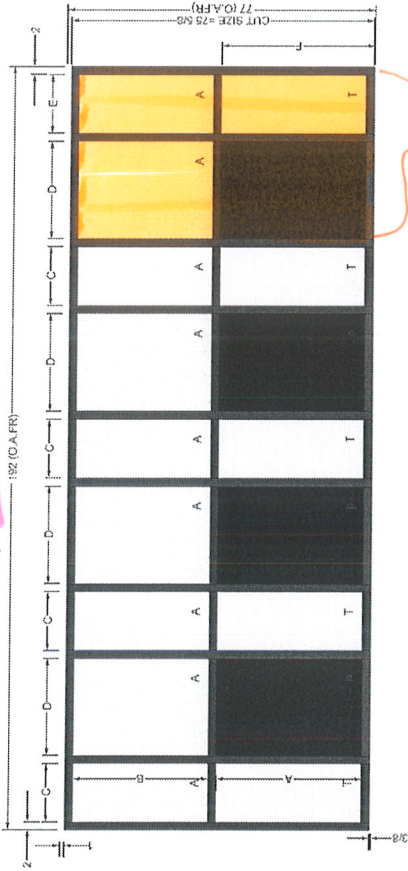
2. **Add 2 ticket windows and outlets-** Note that this work has already been completed. Please also note that the Ticket Office and the Ticket Booth were not part of the original program and represent scope that was added to the project after the validation period. Because these spaces were added early in the design phase, no additional design service fee is requested.

Additional Design Service Fee: \$2800



S9 VE

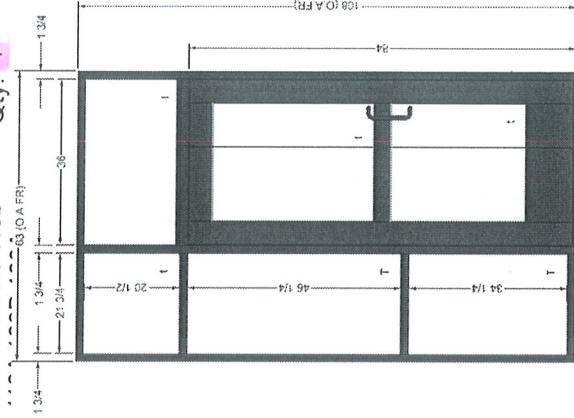
Qty: 1



A=26 1/8 B=33 1/2 C=14 13/16 D=24 1/2 E=14 3/4 F=38 1/2

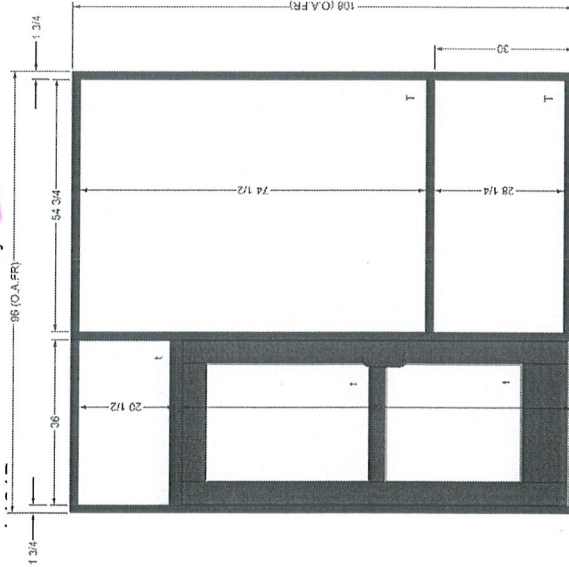
S14 VE doors 110b

Qty: 4



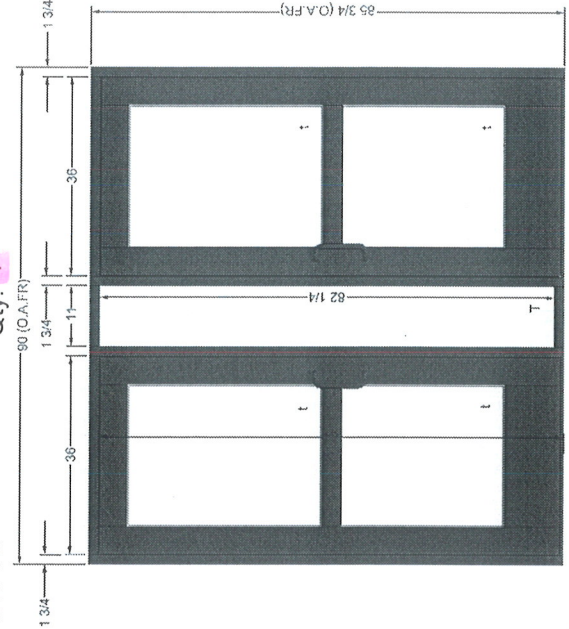
S13 VE doors 105B

Qty: 2



S15 VE

Qty: 1



DESCRIPTION OF WORK;	Add power and data at two added ticket stations.
-----------------------------	--

JOB #2014: ID RFP Pavillion1
JOB NAME RIVERFRONT PARK-PAVILION
EST. #12: ID RFP PAVILION
ESTIMATE RFP ADMIN 100% OWNER DR
PRINTED 10/4/2018 7:59:56 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

Ticket Window
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 014: PS-13C - c.Add power and data at two added ticket stations.					
4-11/16	1D 1G PLASTER RING	1.00	EACH	8.55	0.1500
4-11/16 SQ BOX	2-1/8D 1 KO	1.00	EACH	5.02	0.4500
	CADDY TSGB 16	1.00	EACH	2.61	0.1500
20A	5342 125V IVORY REC.	2.00	EACH	4.89	0.5000
4 SQ	1-1/4D 1G PLAS RING	2.00	EACH	2.92	0.3000
1"	CADDY 35016P MTL STD	2.00	EACH	2.47	0.0600
1"	EMT	10.00	FEET	11.50	0.5500
1/2"	CADDY 3508P MTL STUD	8.00	EACH	9.09	0.2400
1G	430 SS PL. 1 DUPLEX	2.00	EACH	1.97	0.2000
4 SQ BOX	2-1/8D 1/2 & 3/4 KO	2.00	EACH	1.73	0.6000
	CADDY 350 BOX SUPT	2.00	EACH	1.35	0.0600
	#12 GRD PIGTAIL	2.00	EACH	1.10	0.0400
1"	EMT STEEL SS COUP	1.00	EACH	0.42	0.0600
1"	EMT STEEL SS CONN	2.00	EACH	0.82	0.2400
1/2"	EMT	40.00	FEET	15.60	1.8000
1"	EMT 1 HOLE STRAP	2.00	EACH	0.41	0.0800
1/2"	EMT STEEL SS COUP	4.00	EACH	0.71	0.1600
1/2"	EMT STEEL SS CONN	8.00	EACH	1.06	0.6400
12	THHN SOL CU	132.00	FEET	15.68	0.9240
	SCOTCHLOCKS-YELLOW	6.00	EACH	0.59	0.1800
1"	EMT FIELD BENDS	1.00	EACH	0.00	0.2500
Subtotals for Installation Codes : Installation Codes 014: PS-13C - c.Add power and data at two added ticket stations.				88.49	7.6340
Grand Totals				88.49	7.6340



Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Cost	1.0	LS				970	-	-	-	970	970
	Power City Cost to Rough In Power/Data	1.0	LS				358	-	-	-	358	358
		1.0	LS					-	-	-	-	-
SUB-TOTALS								-	-	-	1,328	1,328
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				53
SUB-TOTAL											1,382	
								Insurance				14
								Bond Premium				10
SUB-TOTAL											1,406	
								B & O Tax				6
TOTAL - POTENTIAL CHANGE ORDER											\$	1,412

SPECIFIC EXCLUSIONS:

1. WSST, Monitors (Rough in Only)



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:

4. **Add 2 monitors in the Event Prep Rooms**
Additional Design Service Fee: \$970



DESCRIPTION OF WORK;	Add power and data rough in fopr event room monitors
-----------------------------	--

JOB #2014: ID RFP Pavillion1
JOB NAME RIVERFRONT PARK-PAVILION
EST. #12: ID RFP PAVILION
ESTIMATE RFP ADMIN 100% OWNER DR
PRINTED 10/4/2018 8:05:04 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

First look
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 015: PS-13D - d.Add power and data to 2 display monitors in Event Prep Rooms with TV camera w					
4-11/16	1D 1G PLASTER RING	1.00	EACH	8.55	0.1500
4-11/16 SQ BOX	2-1/8D 1 KO	1.00	EACH	5.02	0.4500
	CADDY TSGB 16	1.00	EACH	2.61	0.1500
20A	5342 125V IVORY REC.	2.00	EACH	4.89	0.5000
4 SQ	1-1/4D 1G PLAS RING	2.00	EACH	2.92	0.3000
1"	CADDY 35016P MTL STD	2.00	EACH	2.47	0.0600
1"	EMT	10.00	FEET	11.50	0.5500
1G	430 SS PL. 1 DUPLEX	2.00	EACH	1.97	0.2000
4 SQ BOX	2-1/8D 1/2 & 3/4 KO	2.00	EACH	1.73	0.6000
	CADDY 350 BOX SUPT	2.00	EACH	1.35	0.0600
	#12 GRD PIGTAIL	2.00	EACH	1.10	0.0400
1"	EMT STEEL SS COUP	1.00	EACH	0.42	0.0600
1"	EMT STEEL SS CONN	2.00	EACH	0.82	0.2400
1"	EMT 1 HOLE STRAP	2.00	EACH	0.41	0.0800
	SCOTCHLOCKS-YELLOW	6.00	EACH	0.59	0.1800
1"	EMT FIELD BENDS	1.00	EACH	0.00	0.2500
Subtotals for Installation Codes : Installation Codes 015: PS-13D - d.Add power and data to 2 display monitors in Event Prep ...				46.35	3.8700
Grand Totals				46.35	3.8700

Riverfront Park Pavilion

ITEM #10



RFP# 7 - ROM for Mechoshades at Office Areas
(Rough in Power Only)
Revised 10-4-18

Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Cost	1.0	LS				4,380	-	-	-	4,380	4,380
	Electrical Cost (Power City Electric)	1.0	LS				7,016	-	-	-	7,016	7,016
SUB-TOTALS								-	-	-	11,396	11,396
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				456
SUB-TOTAL											<u>11,852</u>	
Insurance								1.00% (of Subtotal)				119
Bond Premium								0.75% (of Subtotal)				89
SUB-TOTAL											<u>12,059</u>	
B & O Tax								0.47% (of Subtotal)				56
TOTAL - POTENTIAL CHANGE ORDER											<u>\$ 12,115</u>	

SPECIFIC EXCLUSIONS:

1. WSST



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:



5. **Provide design solution to provide privacy between West Building and events-** We propose the use of Mecho shades (roller blinds). The Mecho shades can address the privacy issue and will also be welcomed to screen the sun glare particularly in the mornings when the sun shines in at a low angles from the east. It may be desirable to control daylight in all spaces or control the building light spilling into the Pavilion floor during evening events so we suggest that the motorized Mecho shades be place in all window bays on the east (except the very ends). Not that this work is already shown on the drawings but some minor clarifications are needed.

Additional Design Service Fee: \$4380



DESCRIPTION OF WORK; Electrical Rough In for Motorized shades

JOB #1956: ID RFP Pavillion	Motorized shades
JOB NAME RIVERFRONT PARK-PAVILION	Power City Electric, Inc
EST. #03: ID RFP ADMIN !00	3327 E. Olive Ave.
ESTIMATE RIVERFRONT PARK PAVILION	Spokane, WA 99202
PRINTED 10/4/2018 10:39:12 AM	509.535.8500
DATA SET #1: Comm Indust UPC_EST_NECA ...	FAX: 509.535.8598
	sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 024: 24 - MOTORIZED SHADES					
20A	5361 125V GR SGL REC	10.00	EACH	70.50	2.5000
3/4"	HOLE DRILL & PATCH	8.80	EACH	43.98	7.0376
1G	430 SS SINGLE REC PL	10.00	EACH	15.41	1.0000
4 SQ	5/8D PLASTER RING	27.00	EACH	26.30	5.4000
4 SQ BOX	2-1/8D 1/2 & 3/4 KO	27.00	EACH	23.39	8.1000
3/4"	UNISTRUT STRAP	49.69	EACH	34.08	1.4908
3/4"	EMT	460.00	FEET	308.20	23.0000
	CADDY 350 BOX SUPT	27.00	EACH	18.18	0.8100
1/2.	AC-ROMEX CONN	16.00	EACH	10.03	1.7600
	#12 GRD PIGTAIL	27.00	EACH	14.87	0.5400
#12-2/C	MC CABLE W/GRN GRD	100.00	FEET	46.81	3.0000
3/4"	EMT STEEL SS COUP	49.69	EACH	13.23	2.4847
3/4"	EMT STEEL SS CONN	25.69	EACH	5.56	2.5694
3/4"	PLASTIC BUSHINGS	5.85	EACH	1.31	1.1694
1/2"	EMT STEEL SS COUP	8.00	EACH	1.41	0.3200
12	THHN STR CU	769.62	FEET	92.35	5.3873
	SCOTCHLOCKS-YELLOW	81.00	EACH	7.94	2.4300
14	THHN STR CU	1,400.00	FEET	109.26	8.4000
SMALL	WIRE TERM-LABOR ONLY	17.54	EACH	0.00	2.1046
Subtotals for Section : Section 024: 24 - MOTORIZED SHADES				842.82	79.5038
Grand Totals				842.82	79.5038

Riverfront Park Pavilion

ITEM #11



**RFP# 7 - Increase size of Storage Room
under stairs**

Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Cost	1.0	LS				1,175	-	-	-	1,175	1,175
	No Construction Cost	1.0	LS					-	-	-	-	-
SUB-TOTALS								-	-	-	1,175	1,175
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				47
SUB-TOTAL											<u>1,222</u>	
Insurance								1.00% (of Subtotal)				12
Bond Premium								0.75% (of Subtotal)				9
SUB-TOTAL											<u>1,243</u>	
B & O Tax								0.47% (of Subtotal)				6
TOTAL - POTENTIAL CHANGE ORDER											<u>\$ 1,249</u>	

SPECIFIC EXCLUSIONS:

1. WSST,



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:



6. **Increase size of storage room under north stairs-** This change will create an odd lid over the expanded room where it extends out beyond the landing above. The lid may be a dust or garbage collector.

Additional Design Service Fee: \$1175



Riverfront Park Pavilion

ITEM #12



RFP# 7 - Add (2) conduits from Communications room to stage, mix position and spotlight landing. Also add 6 network jacks

Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Cost	1.0	LS				1,385	-	-	-	1,385	1,385
	Power City Electric Cost	1.0	LS				10,419	-	-	-	10,419	10,419
SUB-TOTALS								-	-	-	11,804	11,804
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				472
SUB-TOTAL											12,276	
Insurance								1.00% (of Subtotal)				123
Bond Premium								0.75% (of Subtotal)				92
SUB-TOTAL											12,491	
B & O Tax								0.47% (of Subtotal)				58
TOTAL - POTENTIAL CHANGE ORDER											\$ 12,549	

SPECIFIC EXCLUSIONS:

1. WSST,



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:



8. **Add 2" conduits from the Event Communications Center to various locations-** Locations include the Security Office, the stage location, mix position and spotlight location. Receptacles and 6 network jacks are also added to the Event Communication Room. Note that this work is already shown on the drawings.
Additional Design Service Fee: \$1385



DESCRIPTION OF WORK:	Add Event Communications Center on the second floor of the West Building
-----------------------------	--

JOB #2014: ID RFP Pavillion1
JOB NAME RIVERFRONT PARK-PAVILION
EST. #12: ID RFP PAVILION
ESTIMATE RFP ADMIN 100% OWNER DR
PRINTED 10/4/2018 8:26:55 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

Take off
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 001: 90%-3 - 3.Add Event Communications Center on the second floor of the West Building (sig					
	24X24X6 SCR-CVR BOX	1.00	EACH	67.54	2.3000
2"	PARALLEL BEAM CLAMP	19.00	EACH	952.58	6.6500
2"	CONDUIT RISER CLAMP	10.00	EACH	200.00	3.0000
	Cat 5 cabvle test and term	12.00		120.00	6.0000
2"	EMT 90 ELBOW	2.00	EACH	18.59	1.0000
2"	EMT	150.00	FEET	397.50	12.0000
	CADDY TSGB	12.00	EACH	31.34	1.8000
2"	EMT STEEL SS COUP	19.00	EACH	29.47	1.9000
2"	EMT STEEL SS CONN	4.00	EACH	6.09	1.0000
2"	PLASTIC BUSHINGS	2.00	EACH	2.50	0.8000
1"	EMT	60.00	FEET	69.00	3.3000
4 SQ BOX	2-1/8D 1/2 & 3/4 KO	6.00	EACH	5.20	1.8000
1"	EMT STEEL SS INS CON	12.00	EACH	7.52	1.4400
4 SQ	3/4D 1G PLASTER RING	6.00	EACH	3.22	0.9000
	CAT 5E	1,200.00	FEET	204.00	42.0000
	TRUE TAPE	175.00	FEET	3.76	0.1750
1"	EMT FIELD BENDS	6.00	EACH	0.00	1.5000
2"	EMT FIELD BENDS	6.00	EACH	0.00	6.0000
2"	HOLE DRILL & PATCH	6.00	EACH	0.00	9.0000
2.	KO LABOR ONLY	4.00	EACH	0.00	2.8000
	Interior Data Box stub	6.00		0.00	0.0000
Subtotals for Installation Codes : Installation Codes 001: 90%-3 - 3.Add Event Communications Center on the second floor of ...				2,118.29	105.3650
Grand Totals				2,118.29	105.3650



Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Utility Posts (7 EA as shown on drawings)	1.0	LS	11,644	22,971	6,100	41,389	11,644	22,971	6,100	41,389	82,104
SUB-TOTALS								11,644	22,971	6,100	41,389	82,104
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				4,886
								OH&P: on Garco (as subcontractor) subcontracted work				1,656
								SUB-TOTAL				88,645
								Insurance				886
								Bond Premium				665
								SUB-TOTAL				90,197
								B & O Tax				417
								TOTAL - POTENTIAL CHANGE ORDER				\$ 90,613

SPECIFIC EXCLUSIONS:

1. WSST,



Project name	<i>RFP - Added Utility Posts</i>
Labor rate table	E. WA Full
Report format	Sorted by 'Group phase/Phase' 'Detail' summary



Description	Takeoff Quantity	Labor Amount	Material Amount	Sub Amount	Equip Amount	Other Amount	Total Amount
GENERAL CONDITIONS							
General Conditions							
Architectural Costs	1.00 LS	0		5,470	-	-	5,470
Backhoe	0.75 MO	3,144	-	-	3,600	-	6,744
Loader	0.50 MO	2,096	-	-	2,500	-	4,596
SITEWORK							
Earthwork							
Import Fill	133.00 CY	-	1,596		-	-	1,596
Site Utilities							
Electrical Costs	500.00 LF	-	-	30,669	-	-	30,669
Utility Outposts	7.00 EA	-	21,000	5,250	-	0	26,250
Water Hookup	500.00 LF	6,404	375	0	-	-	6,779

Estimate Totals

Description	Amount
Labor	11,644
Material	22,971
Subcontract	41,389
Equipment	6,100
Other	
	82,104
Total	

DESCRIPTION OF WORK;	Added Utility Outposts
-----------------------------	------------------------

JOB #1956: ID RFP Pavillion	Take off
JOB NAME RIVERFRONT PARK-PAVILION	Power City Electric, Inc
EST. #03: ID RFP ADMIN !00	3327 E. Olive Ave.
ESTIMATE RIVERFRONT PARK PAVILION	Spokane, WA 99202
PRINTED 10/4/2018 4:01:10 PM	509.535.8500
DATA SET #1: Comm Indust UPC_EST_NECA ...	FAX: 509.535.8598
	sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Section : Section 031: 31 - ADDED UTILITY OUTPOSTS					
	UO pedestal	6.00		150.00	24.0000
2"	GRC 90 ELBOW	18.00	EACH	363.29	18.0000
2"	GRC COUPLING	12.00	EACH	83.29	0.0000
2"	GRC	120.00	FEET	702.00	13.2000
1.	THHN STR CU	4,785.00	FEET	6,459.75	95.7000
2"	PVC SCH 40 UGRD	1,575.00	FEET	1,197.00	70.8750
2"	PVC ADPT/FEMALE	24.00	EACH	13.74	7.2000
6.	THHN STR CU	1,595.00	FEET	638.00	20.7350
	NYLON LINE	1,600.00	FEET	32.00	1.6000
	3" WARNING TAPE MAG.	1,575.00	FEET	0.00	3.1500
6.	WIRE TERM-LABOR ONLY	12.00	EACH	0.00	1.6800
1.	WIRE TERM-LABOR ONLY	36.00	EACH	0.00	6.1200
Subtotals for Section : Section 031: 31 - ADDED UTILITY OUTPOSTS				9,639.07	262.2600
Grand Totals				9,639.07	262.2600

Mead, Lorraine

From: Nathon O'Neel <NONeel@nacarchitecture.com>
Sent: Friday, October 5, 2018 7:59 AM
To: Mead, Lorraine
Cc: Jack Schneider
Subject: RE: More COP's with Backup

Lorraine,

The electrical costs based on my understanding of the scope of work appears to be within reason for these three. I'll look at the ones you sent in the first email next.

Regards,

Nathon O'Neel BSEE, MBA
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Thursday, October 04, 2018 4:38 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Subject: FW: More COP's with Backup

Team,

Here are a few more – sorry.

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Thursday, October 4, 2018 4:09 PM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: More COP's with Backup

Last couple coming...

Riverfront Park Pavilion

ITEM #14



**RFP# 7 - Add 2nd Event Power at NW Corner
of Central Plaza
(Design Not Included)**

Garco Construction, Inc.

Phase	Description	Quan.	Unit	UNIT PRICES				TOTALS				
				Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Power City Cost to Rough in Power	1.0	LS				7,471	-	-	-	7,471	7,471
	Garco Excavation (1 Week operator/laborer and mini ex)	1.0	LS	2,320		653		2,320	-	653	-	2,973
SUB-TOTALS								2,320	-	653	7,471	10,444
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				446
								OH&P: on Garco (as subcontractor) subcontracted work				299
SUB-TOTAL											11,189	
Insurance								1.00% (of Subtotal)				112
Bond Premium								0.75% (of Subtotal)				84
SUB-TOTAL											11,385	
B & O Tax								0.47% (of Subtotal)				53
TOTAL - POTENTIAL CHANGE ORDER											\$ 11,437	

SPECIFIC EXCLUSIONS:

1. WSST, Design not included (will be included at a later date)

DESCRIPTION OF WORK;	Relocate the Portable stage
-----------------------------	-----------------------------

JOB #2014: ID RFP Pavillion1	Take off
JOB NAME RIVERFRONT PARK-PAVILION	Power City Electric, Inc
EST. #12: ID RFP PAVILION	3327 E. Olive Ave.
ESTIMATE RFP ADMIN 100% OWNER DR	Spokane, WA 99202
PRINTED 10/5/2018 6:44:53 AM	509.535.8500
DATA SET #1: Comm Indust UPC_EST_NECA ...	FAX: 509.535.8598
	sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 030: PS-3 - PS-3 Stage modifications					
3"	PVC 90 SWEEP RADIUS	4.00	EACH	61.39	4.0000
4/0	THHN STR CU	450.00	FEET	1,680.42	13.0500
3/0	THHN STR CU	525.00	FEET	1,506.46	13.6500
3"	PVC SCH 40 UGRD	100.00	FEET	138.00	5.0000
2.	THHN STR CU	120.00	FEET	150.04	2.1600
2 1/2"	PVC SCH 40 UGRD	100.00	FEET	113.00	4.7500
6.	THHN STR CU	120.00	FEET	60.84	1.5600
Subtotals for Installation Codes : Installation Codes 030: PS-3 - PS-3 Stage modifications				3,710.14	44.1700
Grand Totals				3,710.14	44.1700



Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Design Fee	1.0	LS				490	-	-	-	490	490
	Dupree Cost	1.0	LS				19,765	-	-	-	19,765	19,765
	GMP Allowance	1.0	LS				(10,000)	-	-	-	(10,000)	(10,000)
SUB-TOTALS								-	-	-	10,255	10,255
ADD-ONS:								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				410
SUB-TOTAL											10,665	
Insurance								1.00% (of Subtotal)				107
Bond Premium								0.75% (of Subtotal)				80
SUB-TOTAL											10,852	
B & O Tax								0.47% (of Subtotal)				50
TOTAL - POTENTIAL CHANGE ORDER											\$ 10,902	

SPECIFIC EXCLUSIONS:

1. WSST,



August 17, 2018

Clancy Welsh
Garco Construction, Inc.
4114 East Broadway Avenue
Spokane, WA 99202

Re: Riverfront Park Pavilion
RFP-07 Owner Requested Changes from Permit Review
111-17036-01A

Dear Clancy,

Below is a summary of design service costs for Owner requested changes noted with the permit review comments. There were a few other review comments (both on the 90% Set and on the Permit Set) that may impact project scope and design service costs that were not listed on RFP-07. Those costs and costs for other Owner requested changes are noted at the bottom of the list.

Administration Building:



Additional review comments that impact project scope:

2. **Modify/add lockers in the Security Locker Room-** Smaller lockers were asked to be replaced by larger lockers. Plans and elevations were revised and specs rewritten.
Additional Design Service Fee: \$490





1035 E. Cataldo
Spokane, WA 99202
(509) 484-2000
(509) 484-8400 fax

DU-PE-EB-S156MA

PRICE QUOTATION

GARCO CONSTRUCTION

7-25-18

RE: RIVERFRONT PARK US PAVILION

LOCKERS

Description: (13ea) 24" x 24" x 76" Metal Lockers
(11ea) 12" x 12" x 24"/72" Metal Lockers
(1ea) Bench

\$19,765.00 INSTALLED

Please consider the above prices valid for thirty (30) days.


Reece Ham



Hill International

10/04/18

PAV Added/Modify Lockers

I have reviewed the backup and subcontractor quote – this pricing seems reasonable for this work based.

Lorraine Mead

Riverfront Park Pavilion

ITEM #16



Misc. Owner Additions -
Added Panel to Service Yard

Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Power City Electric Cost	1.0	LS				5,748	-	-	-	5,748	5,748
SUB-TOTALS								-	-	-	5,748	5,748
ADD-ONS: <div>Design Costs to be in Future CO.</div>								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				230
								SUB-TOTAL				5,978
								Insurance				60
								Bond Premium				45
								SUB-TOTAL				6,083
								B & O Tax				28
								TOTAL - POTENTIAL CHANGE ORDER				\$ 6,111

SPECIFIC EXCLUSIONS:

1. WSST,

JOB #2014: ID RFP Pavillion1
JOB NAME RIVERFRONT PARK-PAVILION
EST. #12: ID RFP PAVILION
ESTIMATE RFP ADMIN 100% OWNER DR
PRINTED 10/4/2018 7:58:39 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

First look
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 013: PS-13B - b.Add Panel SL9 to serve RV and bus parking in service yard.					
2"	MYERS HUBS	2.00	EACH	48.54	3.2000
2"	GRC 90 ELBOW	2.00	EACH	40.37	2.0000
2"	BONDING BUSHINGS-INS	2.00	EACH	20.42	2.0000
2"	GRC COUPLING	2.00	EACH	13.88	0.0000
1.	THHN STR CU	380.00	FEET	597.26	7.6000
	CHANNEL 12GA 1-5/8"	140.00	FEET	210.36	16.8000
2"	PVC SCH 40 UGRD	115.00	FEET	82.80	5.1750
6.	THHN CU GREEN	127.00	FEET	76.65	1.5240
2"	PVC ADPT/FEMALE	2.00	EACH	1.15	0.6000
2"	PVC COUPLING	4.00	EACH	1.68	0.4000
3/8X1-1/2	FENDER WASHER	4.00	EACH	0.21	0.0000
3/8-16	TAMPIN	4.00	EACH	0.20	0.7200
3/8.	STOVE BOLT W/NUTS	4.00	EACH	0.22	0.6000
2"	PVC FIELD BENDS	2.00	EACH	0.00	2.9000
	PANEL COVER-SURFACE	1.00	EACH	0.00	0.0000
100A	36 CIRCUIT-PANEL BD	1.00	EACH	0.00	15.2400
Subtotals for Installation Codes : Installation Codes 013: PS-13B - b.Add Panel SL9 to serve RV and bus parking in service y...				1,093.72	58.7590
Grand Totals				1,093.72	58.7590

Mead, Lorraine

From: Nathon O'Neel <NONeel@nacarchitecture.com>
Sent: Friday, October 5, 2018 7:59 AM
To: Mead, Lorraine
Cc: Jack Schneider
Subject: RE: More COP's with Backup

Lorraine,

The electrical costs based on my understanding of the scope of work appears to be within reason for these three. I'll look at the ones you sent in the first email next.

Regards,
Nathon O'Neel BSEE, MBA
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Thursday, October 04, 2018 4:38 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Subject: FW: More COP's with Backup

Team,

Here are a few more – sorry.

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Thursday, October 4, 2018 4:09 PM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: More COP's with Backup

Last couple coming...

Riverfront Park Pavilion

ITEM #17



Misc. Owner Additions -
Added Signage Infrastructure
Per Owner Review Comments

Garco Construction, Inc.

Phase	Description			UNIT PRICES				TOTALS				
		Quan.	Unit	Labor	Material	Equip.	Garco Sub.	Labor	Material	Equip.	Garco Sub.	TOTAL
	Power City Electric Cost	1.0	LS				13,380	-	-	-	13,380	13,380
SUB-TOTALS								-	-	-	13,380	13,380
ADD-ONS: <div>Design Cost to be included in Future CO.</div>								OH&P: on Garco (as subcontractor) self-performed work.				-
								OH&P: on Garco (as subcontractor) subcontracted work				535
								SUB-TOTAL				13,915
								Insurance				139
								Bond Premium				104
								SUB-TOTAL				14,159
								B & O Tax				65
								TOTAL - POTENTIAL CHANGE ORDER				\$ 14,224

SPECIFIC EXCLUSIONS:

- WSST, This does not include a design fee.
The design fee will be added at a later date

DESCRIPTION OF WORK;	Signage infrastructure to two locations
-----------------------------	---

JOB #2014: ID RFP Pavillion1
JOB NAME RIVERFRONT PARK-PAVILION
EST. #12: ID RFP PAVILION
ESTIMATE RFP ADMIN 100% OWNER DR
PRINTED 10/4/2018 8:31:39 AM
DATA SET #1: Comm Indust UPC_EST_NECA ...

take off
Power City Electric, Inc
3327 E. Olive Ave.
Spokane, WA 99202
509.535.8500
FAX: 509.535.8598
sgilbertz@powercityelectric.com

NOTES

Item				Material	Labor
Size	Item Desc	Qty	UOM	Mat Ext	Lbr Ext
Installation Codes : Installation Codes 025: ELEC ADD-7 - 7.Signage infrastructure to two locations.					
	HAND HOLE-SMALL	2.00		922.00	5.0000
1"	GRC 90 ELBOW	8.00	EACH	63.36	4.0000
4-11/16 SQ BOX	2-1/8D 1 KO	4.00	EACH	20.09	1.8000
1"	GRC COUPLING	8.00	EACH	21.69	0.0000
	CADDY TSGB 16	4.00	EACH	10.45	0.6000
1"	GRC	40.00	FEET	91.67	2.8000
1"	CADDY 16M24-BAR JST	50.00	EACH	88.00	1.5000
4-11/16	4 11/16 BLANK COVER	4.00	EACH	4.98	0.3200
1"	EMT	400.00	FEET	460.00	22.0000
1"	EMT STEEL SS COUP	40.00	EACH	16.69	2.4000
1"	EMT STEEL SS CONN	12.00	EACH	4.91	1.4400
1"	PVC SCH 40 UGRD	2,000.00	FEET	800.00	80.0000
1"	PVC ADPT/FEMALE	8.00	EACH	2.40	1.4400
1"	PVC COUPLING	20.00	EACH	3.48	0.0000
	3" WARNING TAPE MAG.	2,000.00	FEET	100.00	0.0000
	NYLON LINE	2,040.00	FEET	29.58	2.0400
1"	EMT FIELD BENDS	16.00	EACH	0.00	4.0000
1"	HOLE DRILL & PATCH	4.00	EACH	0.00	3.6000
1.	KO LABOR ONLY	4.00	EACH	0.00	2.2400
Subtotals for Installation Codes : Installation Codes 025: ELEC ADD-7 - 7.Signage infrastructure to two locations.				2,639.29	135.1800
Grand Totals				2,639.29	135.1800

Mead, Lorraine

From: Nathon O'Neel <NONeel@nacarchitecture.com>
Sent: Friday, October 5, 2018 7:59 AM
To: Mead, Lorraine
Cc: Jack Schneider
Subject: RE: More COP's with Backup

Lorraine,

The electrical costs based on my understanding of the scope of work appears to be within reason for these three. I'll look at the ones you sent in the first email next.

Regards,
Nathon O'Neel BSEE, MBA
NAC Engineering

From: Mead, Lorraine <LorraineMead@hillintl.com>
Sent: Thursday, October 04, 2018 4:38 PM
To: Jack Schneider <JSchneider@nacarchitecture.com>; Nathon O'Neel <NONeel@nacarchitecture.com>
Subject: FW: More COP's with Backup

Team,

Here are a few more – sorry.

Thanks,
Lorraine

From: Josh Grigsby <joshg@garco.com>
Sent: Thursday, October 4, 2018 4:09 PM
To: Mead, Lorraine <LorraineMead@hillintl.com>
Subject: More COP's with Backup

Last couple coming...

Spokane Park Board October 2018 – February 2019	Term Ends	Riverfront	Golf	Land	Recreation	Finance	Urban Forestry	Bylaws	Riverfront Park Executive Team	Joint Arts	Liaisons
Sumner, Nick – President nsumner@spokanecity.org	2020		Chair pro tem					✓	✓		CF
Chase, Rick – Vice President rchase@spokanecity.org	2022	✓	✓				Chair				
Chris Wright cwright@spokanecity.org	2019				✓	Chair	Alternate		✓	✓	
McGregor, Ted tmcgregor@spokanecity.org	2020	Chair			✓				✓	✓	PF
Gilman, Greta ggilman@spokanecity.org	2023			Chair	✓	✓			✓		
Vacant	2022										
Sally Lodato slodato@spokanecity.org	2022			✓	Chair			✓			
Ogden, Jennifer jmogden@spokanecity.org	2021	✓		✓			✓	Chair		✓	
Gerry Sperling gsperling@spokanecity.org	2019	✓	✓			✓			✓		
Jamie SiJohn jsijohn@spokanecity.org	2023	✓		✓							
Fagan, Mike mfagan@spokanecity.org	N/A			✓							Council

PF = Spokane Parks Foundation

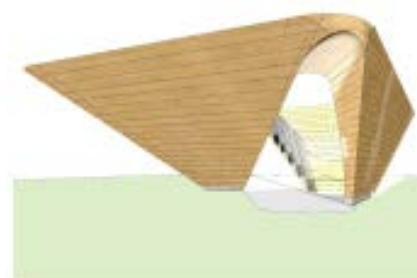
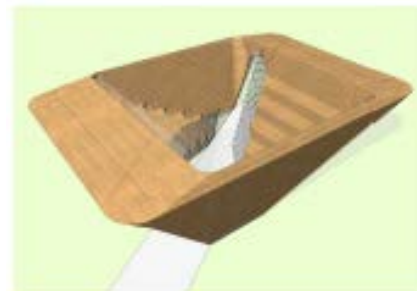
CF = Conservation Futures



Stepwell Design Progression September 2018

Progression of design – from concept to construction

- After the Park Board and Joint Art Committee approved the concept for Stepwell in April, we received significant community feedback expressing a desire for increased interaction opportunities for people of all modalities
- Access to and with art is very important to Parks and Recreation
- Meejin Yoon, who is also an architect, provided thoughtful solutions
- The JAC and Park Board will weigh in on this design progression
- Fabrication and installation will follow, with an anticipated completion of Spring 2019



Enhancing interaction, refining design

- The artist and her team created an arch that takes allows people to pass through the sculpture, to experience the artwork's interior, to interact, and to gather
- As visitors move around the sculpture, their understanding of its form changes dramatically. Moving slightly off-axis reveals the dramatic oblique of the exterior surface of the sculpture
- The sculpture will look impressively cantilevered
- As the user approaches the sculpture, they'll be moving up a gentle slope toward the sculpture, and a person could choose to move straight ahead through the center of the sculpture or climb up onto its tiers to have a seat, or ascend to the top to look down
- Stepwell's primary function is artwork

Archway

- The artist was happy for the opportunity to reconsider how the two halves intersect, and feels it is a design improvement to have an archway gracefully blend the intersection
- The artist's team pointed out the archway will be visually stunning for two reasons; it will be a smooth, blended surface connecting two angular surfaces, and it will be unexpected to see this graceful curvature carved out of wood

Railing

Exterior Railing

- The exterior railing design is altered to accommodate a change in the height of the tiers, which should now be more comfortable for sitting

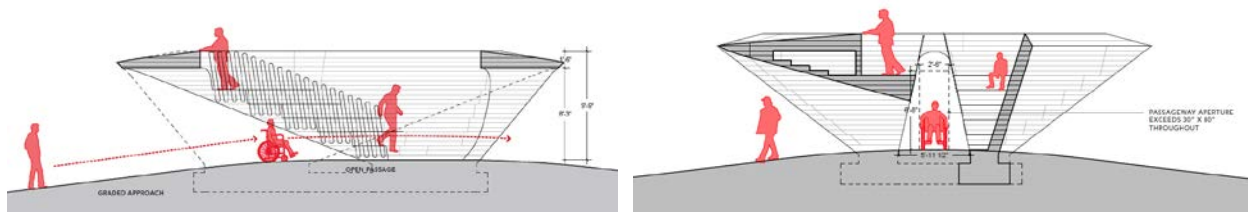
- The artist didn't want the upper railing to be perceived as separate from the rest of the sculpture; she wanted to build it into the form of the sculpture instead of having it look like a separate element
- In addition, adding thick timber at the top would have taken the art work beyond budget
- The height from the top step to the upper edge of the sculpture is the typical safety railing height of 42"

Interior Railing

- The artist wanted to keep the original geometry of the piece, while ensuring people on either side of the artwork could see through to the other side
- The artist's team selected this option because it mimics the filleted curves elsewhere in the piece, and reinforces the angled cut of the passageway when viewed on-axis

Capacity

- Opening up the center pathway creates an opportunity for additional people to stand, move, and wheel through the art piece
- Seating capacity on the steps is estimated to be 30 people



RiverfrontParkNow.com, select "Art"

STEP WELL PAYMENT SCHEDULE

Services to be completed under this Agreement shall begin upon execution of this Agreement. Services shall be completed no later than **September 1, 2018**. The schedule of payments for completion of the Services shall be as follows:

Phase 1: Mobilization – Nov.1, 2018

- Notice to proceed from client
- Fabricator engaged
- General contractor engaged
- Permits submitted by PARKS

Estimated payment: **\$88200**

Percentage of total: 19.6

Phase 2: Shop drawings – March 1, 2018

- Structural engineering review complete
- Shop drawings complete

Estimated payment: **\$32600**

Percentage of total agreement: 7.4%

Phase 3: Fabrication – May 1, 2018

- Footings complete
- Glulam fabrication complete and delivered to site

Estimated payment: **\$195900**

Percentage of total agreement: 43.5%

Phase 4: Installation – Aug. 1, 2018

- Glulam components installed
- Glulam finished
- Railing fabricated and installed
- Contractor punch list reviewed

Estimated payment: **\$60800**

Percentage of total agreement: 13.5%

Closeout: Punch List and Retainage – Sept. 1, 2018

- Finish grading, pathway, seeding, plaque installation (by GC under separate contract, excluded from budget)
- Artist punch list reviewed

Retainage amount: **\$22500**

Percentage of total agreement: 5%

SUBTOTAL: \$400,000

Construction contingency: \$50,000

Percentage of total agreement: 11.1%

TOTAL: not to exceed \$450,000.00



150 Lincoln Street 3A,
 Boston MA 02111
 T 617-517-4101
 F 617-517-4102
info@hyarchitecture.com
www.howeleryoon.com

STEP WELL ITEMIZED BUDGET

PROJECT COST		AMOUNT	WITH TAX
HYA Construction Administration	\$	15,000.00	\$ 1,305.00
Structural Engineering	\$	15,000.00	\$ 1,305.00
GC (general requirements, labor)	\$	24,000.00	\$ 2,088.00
Equipment rental	By GC, PARKS to contract separately		
Landscape improvements (grading, seeding, path)	By GC, PARKS to contract separately		
Site fencing	By GC, PARKS to contract separately		
Concrete foundation	\$	15,000.00	\$ 1,305.00
Hardware + Installation	\$	42,000.00	\$ 3,654.00
Sealant	\$	6,000.00	\$ 522.00
Site lighting, electrical	By GC, PARKS to contract separately		
Signage	By PARKS		
Glulam wood fabrication + delivery	\$	243,000.00	\$ 21,141.00
Glulam installation	By GC		
Metal railing (fabrication)	\$	8,000.00	\$ 696.00
SUBTOTAL	\$	368,000.00	\$ 32,000.00
Permit fees		By PARKS	
Construction contingency (10%)	\$	50,000.00	\$ -
SUBTOTAL	\$	418,000.00	\$ 32,000.00
Total with taxes			\$450,000.00
Retainage (5%) held until after punch list			\$ 22,500.00



150 Lincoln Street 3A,
Boston MA 02111
T 617-517-4101
F 617-517-4102
info@hyarchitecture.com
www.howeleryoon.com

STEP WELL BUDGET EXCLUSIONS

The following services shall be contracted separately by the GC:

- Sitework, to include:
 - Site grading
 - Pathways
 - Seeding
- Site lighting/electrical
- Signage

Riverfront Spokane
2019 Attractions Pricing

The Ice	2016 Fees	2018 Fees	2019 Proposed	Note	General Disc	Group Disc (10+)
	4-Mo Season	3-Mo Season	4-Mo Season		10%	15%
Adult admission - (1-Hr)	\$5.00	\$6.50	\$6.95	\$.45 price increase	\$0.70	\$10.43
Child admission - (1-Hr) (12 & Under)	\$3.50	\$4.50	\$4.95	\$.45 price increase	\$0.50	\$7.43
Skate Rental	\$3.50	\$4.50	\$4.50		\$0.45	\$6.75
Additional Hour	Not Available	Half price	Half price		NA	NA
Field Trip (2-Hr, adm, rental)	Not Available	\$9.00	\$9.00		NA	NA
Adult Unlimited Pass	\$50.00	\$30.00	\$32.95	\$2.95 Price increase	\$3.30	\$49.43
Child Unlimited Pass (ages 2-12)	\$50.00	\$25.00	\$26.95	\$2.95 Price increase	\$2.70	\$40.43
Adult Unlimited Pass Renewal	Not Available	Not Available	\$24.00	1 free month and 25% off 2018 price	NA	NA
Child Unlimited Pass Renewal	Not Available	Not Available	\$20.00	1 free month and 25% off 2018 price	NA	NA
Skate Rental Add-on for UP	Not Available	Not Available	\$17.95	New item	\$1.80	\$26.93
Spider Jump						
3 minutes	Not Available	\$5.00	\$5.00		\$0.50	\$7.50
5 minutes	Not Available	\$7.00	\$7.00		\$0.70	\$10.50
Skyride						
Adult Admission	\$7.50	\$7.75	\$7.75		\$0.78	\$11.63
Child Admission (ages 2-12)	\$5.00	\$5.75	\$5.75		\$0.58	\$8.63
Skate Ribbon						
Skate Ribbon admission	Not Available	Free	Free			
Helmets & Pads	Not Available	Free	Free			
Roller Skate Rental (1-Hr)	Not Available	\$6.50 ~	\$4.95	\$.75 Price decrease	\$0.50	\$7.43
Scooter Rental (1-Hr)	Not Available	\$8.50 ~	\$6.95	\$.52 Price decrease	\$0.70	\$10.43
Pedal Kart Rental (30-mins)	Not Available	Not Available	\$7.95	New item	\$0.80	\$11.93
Pedal Kart Rental (1-Hr)	Not Available	Not Available	\$9.95	New item	\$1.00	\$14.93
		~ Tax Included				
Looft Carrousel						
Single Ride	\$2.00	\$2.00	\$2.50	\$.50 Price Increase	\$0.25	\$3.75
Unlimited Ride Day Pass	Not Available	\$5.00	\$5.50	\$.50 Price Increase	\$0.55	\$8.25
Value Pass						
<u>Winter Pass</u> includes 1-hour skate with rental, Skyride, and unlimited carrousel rides.						
<u>Summer Pass</u> includes Skate or Scooter rental, 3-min spider jump, SkyRide, & unlimited Carrousel rides.						
Adult - Winter Value Pass	Not Available	Not available	\$19.95	Savings \$4.75	\$2.00	\$29.93
Child - Winter Value Pass	Not Available	Not available	\$15.95	Savings \$4.75	\$1.60	\$23.93
Adult - Summer Value Pass	Not Available	\$14.25	\$14.95	Savings \$10.30	\$1.50	\$22.43
Child - Summer Value Pass	Not Available	\$10.25	\$12.95	Savings \$10.30	\$1.30	\$19.43
Parking						
All - Day	\$5.00	\$5.00	\$5.00			
Monthly	\$38.00	\$38.00	\$38.00			
Quarterly	\$98.00	\$98.00	Not Available	Proposed removal of price point		
Fines		\$30.00	\$30.00			

* General Discount for qualifying groups includes military, seniors (55+) and AAA.

* Group Discount is given for parties of 10 or more people

* Children under two are free

* Proposed Fees would go into effect upon Park Board Approval

* Above prices do not include applicable sales and admission tax