

**Mayor**

James Kacsh

**Council Members**

Kristin Carpenter

Tim Joyce

David Allison

Bret Bradford

EJ Cheshier

David Reggiani

James Burton

**Interim City Manager**

Donald Moore

**City Clerk**

Susan Bourgeois

**Deputy Clerk**

Tina Hammer

**Student Council**

**COUNCIL SPECIAL MEETING**

**JULY 19, 2013 @ 4:00 PM**

**LIBRARY MEETING ROOM**

**AGENDA**

**A. CALL TO ORDER**

**B. ROLL CALL**

Mayor James Kacsh, Council members Kristin Carpenter, Tim Joyce, David Allison, Bret Bradford, EJ Cheshier, David Reggiani and James Burton

**C. APPROVAL OF AGENDA..... (voice vote)**

**D. DISCLOSURES OF CONFLICTS OF INTEREST**

**E. COMMUNICATIONS BY AND PETITIONS FROM VISITORS**

1. Audience Comments regarding agenda items

**F. UNFINISHED BUSINESS**

2. Contract approval with Eagle Contracting Corp. for Eyak..... (voice vote)(page 1)  
Water Treatment Plant roof

**G. REPORTS OF OFFICERS**

3. Staff Second Quarter 2013 Reports
  - a. Susan Herschleb, Parks & Rec Director.....(page 7)

**H. AUDIENCE PARTICIPATION**

**I. COUNCIL COMMENTS**

**J. ADJOURNMENT**

Executive Sessions: Subjects which may be discussed are: (1) Matters the immediate knowledge of which would clearly have an adverse effect upon the finances of the government; (2) Subjects that tend prejudice the reputation and character of any person; provided that the person may request a public discussion; (3) Matters which by law, municipal charter or code are required to be confidential; (4) Matters involving consideration of governmental records that by law are not subject to public disclosures.

**If you have a disability that makes it difficult to attend city-sponsored functions,  
you may contact 424-6200 for assistance.**

All City Council agendas and packets available online at [www.cityofcordova.net](http://www.cityofcordova.net)



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# CITY OF CORDOVA

## *Office of City Manager*

July 17, 2013

Memo to City Council

Re: Eyak Lake Water Treatment Plant Roof Structural Repairs

**CMC 5.12.040 “Council approval of contracts” says:**

*No contract for supplies, services or construction which obligates the city to pay more than fifteen thousand dollars may be executed unless the council has approved a memorandum setting forth the following essential terms of the contract:*

- A. The identity of the contractor;*
- B. The contract price;*
- C. The nature and quantity of the performance that the city shall receive under the contract; and*
- D. The time for performance under the contract.*

I recommend the city enter into a contract with Eagle Contracting Corporation, of Cordova, Alaska, to perform structural repairs to the Eyak Lake Water Treatment Plant Roof and associated work as set forth in the attached RFP 06-13 (Exhibit A).

The contract price is not to exceed Two Hundred Eighty Two Thousand Seven Hundred and Seventy Dollars (\$282,770.00).

A summary of the nature and quantity of the performance the city shall receive is set forth in the attached RFP 06-13 (Exhibit A).

The time for performance is for all work to be completed is 8 weeks after notice to proceed is issued.

**Recommended action:** Voice Vote.

I move to direct the City Manager to enter into a contract with Eagle Contracting Corporation, to perform structural repairs to the Eyak Lake Water Treatment Plant Roof and associated work for a sum of Two Hundred Eighty Two Thousand Seven Hundred and Seventy Dollars (\$282,770.00).

Thank you,  
Moe Zamarron  
Acting City Manager

# **EXHIBIT A**

City of Cordova  
Cordova, Alaska  
Eyak Lake Water Treatment Plant  
Request for Proposal # 06-13  
Eyak Lake Water Treatment Plant Structural Roof Repair  
REQUEST FOR PROPOSAL

The City of Cordova is requesting written proposals from qualified Contractors interested in providing for demolition and replacement of the entire roof assembly at the City Of Cordova Eyak Lake Water Treatment Plant. Sealed proposals, plainly marked, "RFP #06-13 – Eyak Lake Water Treatment Plant Structural Roof Repair" addressed to the City Manager, City of Cordova, P.O. Box 1210, Cordova, AK 99574 will be accepted until 2:00 p.m. July 5th, 2013. PROPOSALS RECEIVED AFTER 2:00 P.M. WILL NOT BE CONSIDERED.

Copies of this RFP may be obtained from Josh Hallquist at Cordova City Hall, or by calling 424-6280. A mandatory pre-bid meeting will be held on 6-28-13 at the Eyak Lake Water Treatment Plant. The City of Cordova reserves the right to reject any and all proposals, to waive technical or legal deficiencies, to accept any proposal that is in the best interest of the City and to negotiate the terms and conditions of any proposal leading to acceptance and final execution of a contract for services.

If you have any questions pertaining to the submittal and review process of City bids please contact the City Manager at the following number: 907-424-6200.

The City welcomes potential Contractors to visit the Eyak Lake Water Treatment Plant to better understand the dynamics, operations, location and access throughout the facility. To arrange for a visit or if you have any questions pertaining to the specifics of this RFP and the scope of services, please contact the City of Cordova Project Manager, Josh Hallquist at the following number: 907-253-6232.

## **I. INTENT OF SOLICITATION**

The City of Cordova (City) is soliciting competitive proposals from qualified contractors to provide for demolition and replacement of the entire roof assembly at the Eyak Lake water treatment plant. The roof assembly includes the Ice and water shield membrane, structural decking, 2x10 roof framing, insulation, vapor barrier, GWB fire break, and plywood ceiling sheathing. The existing Glulam structural roof beams are in good condition and will not be removed save one beam on C line between column line 1 and 2. The EPDM roofing and flashing will be replaced under separate contract. The existing roof is collapsing due to extensive rotting initiated by roofing membrane failure. The intent is to replace the roof framing assembly as-per the original design. Additional service requirements will be found in SECTION III, SCOPE OF WORK.

## **II. BACKGROUND**

The Eyak Water Treatment Plant is a working water treatment facility constructed in the 1980's. It is used to supplement the city water supply system during high usage or dry conditions. The roofing membrane has been leaking into the roof framing assembly for many years and has resulted in the partial collapse of the roof system. The roof is currently supported by temporary shoring in two locations. The plant will remain in operation during construction; however brief shut downs are anticipated to allow re-routing of electrical/mechanical piping as necessary. Shutdowns will be coordinated with the plant operator thru the COC project Manager. The plant is a secure facility that

must remain so during construction. It is anticipated the roof will be replaced in sections to maintain protection against rain/snow.

### III. SCOPE OF WORK

Provide the necessary material, equipment, and labor to perform the following work activities: The following work activities are provided as a minimum scope of work and are not inclusive of all work activities that may be required to facilitate the demolition and replacement of the roof assembly. The original as-built record drawings have been included for reference.

- Install temporary lighting to support ongoing plant operations.
- Temporarily remove or support existing ceiling mounted lights, electrical conduit, mechanical piping, and all other ceiling mounted devices.
- Temporarily protect existing controls, control panels, electronic devices, pumps, electric motors, ect.. From dust contamination.
- Protect existing finishes as necessary from damage including piping and tanks.
- Demolish and replace all existing insulation, vapor barrier, GWB fire break, and plywood ceiling.
  - Note the Carbon room requires two layers of fire taped ½" GWB under the ½" plywood ceiling sheathing.
  - Note that all GWB requires fire taping.
  - Vapor barrier will be 6 mil poly.
  - Insulation will be R-22 and the 1-1/8" air space must be maintained as per the as-built design drawings.
- Demolish all existing roofing membrane
- Demolish existing ½" roof decking and replace with ¾" thick APA Rated Plywood roof decking
  - Roof nailing per "Roof Nailing Plan" on sheet S-5.
- Install Grace Ice and Water shield 40-mill self-adhesive roofing underlayment (or equivalent) over entire roof per manufactures specification.
  - Extend Grace down face of fascia and terminate with temporary batten strips.
  - The layer of grace will act as a temporary roof membrane until the roofing contractor (per separate contract) installs the EPDM roofing.
- Demolish and replace all existing roof framing (less GLB's) including blocking, vented blocking, and Simpson structural ties.
  - Existing Simpson structural ties shall be replaced with new, equivalent capacity, Simpson structural ties.
- Demolish and replace the existing GLB on C-line between column line 1 and 2 (see as-built drawing package for exact location, size, and length.
- Demolish and replace all soffit and fascia.
- Temporarily support existing thru roof stacks/vents and provide new roof penetrations.
- Roof sheathing nailing pattern, GLB size, Roof framing sizes, layouts, ect.. will be per the notated as-built design drawings.
- All wood debris will be disposed of at the City burn pile.
- All C&D debris will be disposed of at the City landfill.
  - There will be no dumping charge however the contractor is responsible to transport the material to the noted disposal locations.
- After completion of project clean interior of building including piping, ect to remove all traces of dust and debris.

- Painting will be per separate contract.
- Provide product data submittals for Owner approval prior to procurement of the following material:
  - Rated plywood roof decking
  - Roof decking Fasteners
  - Structural Wood framing members
  - GLB'S
  - 40-mill self-adhesive roofing underlayment
  - Simpson structural framing ties and fasteners
  - GWB
  - Interior Plywood ceiling cover
  - Insulation
  - Vapor Barrier (6 mill poly)
  - Soffit material
- Project will be subject to Title 36 Public Contracts Pamphlet 600 issue 26.

Contractor shall possess and keep in force all licenses, business permits and other permits required to perform the services of this Agreement. Work shall be completed no later than September 1, 2013.

#### **IV. SUBMITTAL REQUIREMENTS**

Each Vendor shall submit two (2) original signed copies of its proposal. The proposal shall be submitted in the following manner:

1. Contractor Description. Provide a description and history of the Contractor emphasizing the Contractor's resources and expertise in the area(s) relevant to this RFP. In addition, identify the person(s) who has decision-making authority for the Contractor; and who will be the Contractor's primary contact person(s) with the City.
2. Proposals
  - Clearly state the total cost to the City for completion of all work.
  - Provide evidence of liability insurance, and worker's compensation insurance if applicable

#### **V. SELECTION CRITERIA**

Each proposal shall be evaluated based on the following criteria based on the following sections of Cordova Municipal Code (CMC):

1. Total cost of Proposal to the City; (CMC 5.12.120(A))
2. Contractor's qualifications and responsibility. (CMC 5.12.170)
  - a. The skill and experience demonstrated by the bidder in performing contracts of a similar nature;
  - b. The bidder's record for honesty and integrity;
  - c. The bidder's capacity to perform in terms of facilities, equipment, personnel and financing;
  - d. The past and present compliance by the bidder with laws and ordinances related to its performance under the contract; and
  - e. The bidder's past performance under city contracts. If the bidder has failed in any material way to perform its obligations under any contract with the city, the city manager may consider the bidder to be not responsible.

- f. The bidder's past performance of financial obligations to the city. If at the time of award the bidder is delinquent, overdue or in default on the payment of any money, debt or liability to the city, the city manager shall consider the bidder to be not responsible.

Proposals will be opened at the front desk in City Hall on July 5th, 2013 at approximately 2:05 P.M. A contract may be awarded by City Council on July 17, 2013 if recommended by City Manager. The City of Cordova reserves the right to reject any and all proposals, to waive technical or legal deficiencies, to make such investigation as it deems necessary to evaluate Contractor's qualifications, to accept any proposal that may be deemed in the best interest of the City and to negotiate terms and conditions of any proposal leading to acceptance and final execution of a contract for services.

**City of Cordova**  
Fiscal Note

**Date: July 10, 2013**

**Agenda Date: July 17, 2013**

Amount: \$282,770.00	Subject: Eyak Lake Water Treatment Plant Roof Repairs
Fiscal Impact: Yes	
Budgeted: Yes	Resolution/Ordinance #
From Account#: 654-410-70130 Construction (Grant) & #654-420-70130 Construction (Loan)	
To Account#:	
Prepared by: J. Stavig	

<b>Expenditures</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
Contractual	\$282,770.00		
Supplies			
Equipment			
Travel			
Land/Structure			
Grants			
	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
<b>Revenue</b>			
<b>Funding Source</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>
General Fund			
State ADEC LT2 Compliance Grant	\$197,939.00		
State ADEC LT2 Compliance Loan	\$84,831.00		

**Additional Information**

Contract with Eagle Contracting Corp. to perform structural repairs to the Eyak Lake Water Treatment Plant Roof and associated work per RFP 06-13. Project to be funded with LT2 Compliance Grant funding and LT2 Compliance Loan funding from ADEC.

## 2nd Quarter Revenue 2013

Month	Drop in	Passes	Programs	S.Cabin	Odiak	Other	Total
<b>April</b>	\$ 381.00	\$ 2,505.00		\$ 75.00	\$ 4,212.78		<b>\$ 7,173.78</b>
<b>May</b>	\$ 821.00	\$ 9,135.00	\$ 1,630.00	\$ 100.00	\$ 1,138.00	* \$ 175.00	<b>\$ 12,999.00</b>
<b>June</b>	\$ 591.00	\$ 3,870.00	\$ 3,650.00	\$ 590.00	\$ 6,725.40	**\$ 25.00	<b>\$ 15,451.40</b>
<b>Total</b>	<b>\$ 1,793.00</b>	<b>\$ 15,510.00</b>	<b>\$ 5,280.00</b>	<b>\$ 765.00</b>	<b>\$ 12,076.18</b>	<b>\$ 200.00</b>	<b>\$ 35,624.18</b>

\*pool rental

\*\*dump station

## 2nd Quarter Revenue 2012

Month	Drop in	Passes	Programs	S.Cabin	Odiak	Other	Total
<b>April</b>	\$ 559.00	\$ 3,255.00	\$ 260.00	\$ 345.00	\$ 365.50		<b>\$ 4,784.50</b>
<b>May</b>	\$ 730.00	\$ 7,485.00	\$ 2,250.00	\$ 425.00	\$ 2,054.62	*\$ 1,400.00	<b>\$ 14,344.62</b>
<b>June</b>	\$ 589.00	\$ 6,310.00	\$ 2,349.00	\$ 630.00	\$ 10,322.20		<b>\$ 20,200.20</b>
<b>Total</b>	<b>\$ 1,878.00</b>	<b>\$ 17,050.00</b>	<b>\$ 4,859.00</b>	<b>\$ 1,400.00</b>	<b>\$ 12,742.32</b>	<b>\$ 1,400.00</b>	<b>\$ 39,329.32</b>

\*ALPAR grant



DATE: 7/10/13  
TO: City Council and Mayor Kacsh  
FROM: Susan Herschleb / Director of Parks and Recreation  
RE: 2<sup>nd</sup> quarter report

Dear Council and Mayor Kacsh,

I hope you all have had a great summer so far, the Parks and Recreation Department is busy as usual. The pool 2<sup>nd</sup> quarter report is attached. As most of you already know, data compilation at the pool in 2012 was non-existent and very inconsistent in 2011 due to maintenance/renovations and IT issues. Clearly it is hard to compare usage totals for this reason.

We can see however, that morning lap swim and swim lessons are bringing the most people to the pool. This is important to consider over the next few months prior to discussing funding for the pool in 2014. Morning lap swim has traditionally been staffed with just one life guard and swim lessons have often been staffed with just the certified water safety instructor (who is required to be a certified life guard in order to be water safety instructor certified).

After our last American Red Cross (ARC) training in June, many of the life guards we currently employ are no longer willing to guard alone. We are not breaking any law per the current State of Alaska Pool and Spa code, which does not require a particular number of life guard(s) on deck what so ever. This is why you often see a pool / spa in a hotel with no guard on duty; relying only on signage to state that you are 'swimming at your own risk'. The ARC now only trains guards to perform two person rescues and encourage their certified guards to not work alone. ARC taught single guard rescues in the past but no longer feel it is safe.

You can anticipate a request for a FT life guard position again in 2014. Our discussion about employing this position last year and this year will be different. I likely won't be talking about how this new position could expand our evening schedule or offer a load of new programming. I will be talking about continuity in the programming we already offer.

Revenue and attendance are status quo at Bidarki Rec. Center. At the moment, we are a bit behind the second quarter of last year. I have no concerns about lagging behind at this point, mainly because of the way our summer programming was scheduled this year. I anticipate more revenue later in the summer season.

Odiak Camper Park is behind but I will assume that our expenditures will be lower at the end of the season as well. I feel this is because there is no wait list for Odiak Camper Park this year. When someone is waiting for long term parking at Odiak we place them at Shelter Cove, but the revenue goes to Odiak. We also pull funding from Odiak to pay for the dumpster at Shelter cove which is necessary for the long term tenants on the waitlist.

City of Cordova - Parks and Recreation Dept.  
Bob Korn Pool 02 Quarter 2013

02 Quarter Revenue 2013

Month	Drop in	Passes	Combo Passes	Rentals	Lessons	Other				Total
April	\$ 72.00	\$ 200.00		\$ 375.00						\$ 647.00
May	\$ 244.00	\$ 245.00		\$ 275.00	\$ 1,570.00					\$ 2,334.00
June	\$ 277.00	\$ 135.00								\$ 412.00
<b>Total</b>	<b>\$ 593.00</b>	<b>\$ 580.00</b>	<b>\$ -</b>	<b>\$ 650.00</b>	<b>\$ 1,570.00</b>	<b>\$ -</b>	<b>\$ -</b>			<b>\$ 3,393.00</b>

02 Quarter Attendance 2013

Month	AM-Lap	Noon Lap	PM Lap	AM-Ex	PM-Ex	Lessons	Fam Open	Fri Open	Sat Open	Tot Swim	Total
Apr.	38	14	16	6	7	0	11	4	13	21	130
May.	114	68	69	31	13	133	63	41	33	54	619
Jun.	49	28	27	17	0	0	45	32	52	21	271
<b>Total</b>	<b>201</b>	<b>110</b>	<b>112</b>	<b>54</b>	<b>20</b>	<b>133</b>	<b>119</b>	<b>77</b>	<b>98</b>	<b>96</b>	<b>1020</b>

## Weekly Revenue Report

Date	Day	Drop in	Passes	Combo Passes	Rentals	Lessons	Other	Total
1-Apr-13	Mon							\$ -
2-Apr-13	Tue							\$ -
3-Apr-13	Wed							\$ -
4-Apr-13	Thur							\$ -
5-Apr-13	Fri							\$ -
6-Apr-13	Sat							\$ -
	Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8-Apr-13	Mon							\$ -
9-Apr-13	Tue							\$ -
10-Apr-13	Wed							\$ -
11-Apr-13	Thur							\$ -
12-Apr-13	Fri							\$ -
13-Apr-13	Sat							\$ -
	Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15-Apr-13	Mon							\$ -
16-Apr-13	Tue							\$ -
17-Apr-13	Wed							\$ -
18-Apr-13	Thur							\$ -
19-Apr-13	Fri							\$ -
20-Apr-13	Sat							\$ -
	Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22-Apr-13	Mon	\$ 5.00						\$ 5.00
23-Apr-13	Tue	\$ 5.00	\$ 55.00		\$ 375.00			\$ 435.00
24-Apr-13	Wed	\$ 31.00						\$ 31.00
25-Apr-13	Thur	\$ 10.00						\$ 10.00
26-Apr-13	Fri	\$ 10.00						\$ 10.00
27-Apr-13	Sat	\$ 8.00						\$ 8.00
	Totals	\$ 69.00	\$ 55.00	\$ -	\$ 375.00	\$ -	\$ -	\$ 499.00
29-Apr-13	Mon	\$ 3.00	\$ 15.00					\$ 18.00
30-Apr-13	Tue		\$ 130.00					\$ 130.00
	Wed							\$ -
	Thur							\$ -
	Fri							\$ -
	Sat							\$ -
	Totals	\$ 3.00	\$ 145.00	\$ -	\$ -	\$ -	\$ -	\$ 148.00
Date	Day	Drop in	Passes	Combo Passes	Rentals	Lessons	Other	Total
	Mon							\$ -
	Tue							\$ -
1-May-13	Wed	\$ 45.00						\$ 45.00
2-May-13	Thur				\$ 75.00			\$ 75.00
3-May-13	Fri							\$ -
4-May-13	Sat							\$ -

	Totals	\$ 45.00	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ 120.00
6-May-13	Mon							\$ -
7-May-13	Tue		\$ 55.00			\$ 920.00		\$ 975.00
8-May-13	Wed	\$ 6.00						\$ 6.00
9-May-13	Thur	\$ 3.00				\$ 290.00		\$ 293.00
10-May-13	Fri		\$ 100.00					\$ 100.00
11-May-13	Sat	\$ 9.00			\$ 100.00			\$ 109.00
	Totals	\$ 18.00	\$ 155.00	\$ -	\$ 100.00	\$ 1,210.00	\$ -	\$ 1,483.00
13-May-13	Mon	\$ 3.00	\$ 60.00					\$ 63.00
14-May-13	Tue							\$ -
15-May-13	Wed	\$ 41.00						\$ 41.00
16-May-13	Thur	\$ 20.00				\$ 320.00		\$ 340.00
17-May-13	Fri	\$ 29.00						\$ 29.00
18-May-13	Sat	\$ 16.00						\$ 16.00
	Totals	\$ 109.00	\$ 60.00	\$ -	\$ -	\$ 320.00	\$ -	\$ 489.00
20-May-13	Mon	\$ 3.00						\$ 3.00
21-May-13	Tue	\$ 10.00	\$ 30.00					\$ 40.00
22-May-13	Wed							\$ -
23-May-13	Thur	\$ 15.00						\$ 15.00
24-May-13	Fri							\$ -
25-May-13	Sat	\$ 10.00						\$ 10.00
	Totals	\$ 38.00	\$ 30.00	\$ -	\$ -	\$ -	\$ -	\$ 68.00
27-May-13	Mon							\$ -
28-May-13	Tue				\$ 100.00			\$ 100.00
29-May-13	Wed	\$ 13.00						\$ 13.00
30-May-13	Thur					\$ 40.00		\$ 40.00
31-May-13	Fri	\$ 21.00						\$ 21.00
	Sat							\$ -
	Totals	\$ 34.00	\$ -	\$ -	\$ 100.00	\$ 40.00	\$ -	\$ 174.00
	Mon							\$ -
	Tue							\$ -
	Wed							\$ -
	Thur							\$ -
	Fri							\$ -
1-Jun-13	Sat	\$ 14.00						\$ 14.00
	Totals	\$ 14.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14.00
3-Jun-13	Mon							\$ -
4-Jun-13	Tue							\$ -
5-Jun-13	Wed							\$ -
6-Jun-13	Thur							\$ -
7-Jun-13	Fri							\$ -
8-Jun-13	Sat							\$ -
	Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10-Jun-13	Mon							\$ -
11-Jun-13	Tue							\$ -
12-Jun-13	Wed							\$ -
13-Jun-13	Thur							\$ -

14-Jun-13	Fri							\$ -
15-Jun-13	Sat							\$ -
	Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17-Jun-13	Mon							\$ -
18-Jun-13	Tue		\$ 55.00					\$ 55.00
19-Jun-13	Wed	\$ 43.00						\$ 43.00
20-Jun-13	Thur							\$ -
21-Jun-13	Fri	\$ 58.00						\$ 58.00
22-Jun-13	Sat	\$ 15.00	\$ 80.00					\$ 95.00
	Totals	\$ 116.00	\$ 135.00	\$ -	\$ -	\$ -	\$ -	\$ 251.00
24-Jun-13	Mon	\$ 15.00						\$ 15.00
25-Jun-13	Tue	\$ 6.00						\$ 6.00
26-Jun-13	Wed	\$ 28.00						\$ 28.00
27-Jun-13	Thur	\$ 13.00						\$ 13.00
28-Jun-13	Fri	\$ 3.00						\$ 3.00
29-Jun-13	Sat	\$ 22.00						\$ 22.00
	Totals	\$ 87.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87.00

# STRUCTURAL GENERAL NOTES

## 1.0 CRITERIA

### 1.1 CODE

CODE: 2008 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE CITY OF CORDOVA AND THE STATE OF ALASKA

### 1.2 OCCUPANCY CATEGORY: IX

### 1.3 LOADS

#### SNOW

GROUND SNOW LOAD  $S_g = 170$  PSF  
 UNIFORM SNOW LOAD  $S_u = 1.0$   
 IMPORTANCE  $I = 1.2$   
 FLAT ROOF SNOW LOAD  $S_f = 157$  PSF  
 DRAFT LOAD PER ASCE 7-05  
 120 MPH (3 SECOND GUST)  
 EXPOSURE D  
 IMPORTANCE = 1.5

#### WIND

WIND SPEED  $V = 120$  MPH  
 EXPOSURE D  
 IMPORTANCE = 1.5  
 SITE CLASS D  
 $S_u = 1.78g$ ,  $F_u = 1.0g$ ,  $S_u = 1.20g$   
 $S_i = 0.67g$ ,  $F_v = 1.5g$ ,  $S_i = 0.67g$   
 $R = 4.5$   
 $I = 1.25$

## 2.0 MATERIALS

### 2.1 LUMBER AND TIMBER

LUMBER 2 TO 4 INCHES THICK SHALL BE SURFACED & STRESS (S4S) HEAT TREATED TO A MINIMUM OF 120°F IN ACCORDANCE WITH AWWA C2. ANY CUTS, HOLES OR DAMAGE TO TREATED SURFACES SHALL BE REPAIRED WITH 2 COATS OF COPPER NAPHTHENATE SOLUTION IN ACCORDANCE WITH AWWA M4.

### 2.2 JOISTS AND RIM JOISTS

JOISTS SHALL BE THE SIZE AND MODEL INDICATED ON THE PLANS AS MANUFACTURED BY THE BEST BUILT CORPORATION. ANY SUBSTITUTION SHALL HAVE EQUAL OR GREATER MATERIAL, SIZE AND ANY PROPOSAL FOR SUBSTITUTION SHALL INCLUDE AN IBOB EVALUATION REPORT.

### 2.3 SHEATHING

WALL AND ROOF SHEATHING SHALL BE EXTERIOR GRADE PLYWOOD GRADE COX OF THE SIZE INDICATED AND IN CONFORMANCE WITH APA PS1.

### 2.4 TIMBER CONNECTIONS

ALL TIMBER CONNECTIONS INCLUDING BOLTS, NAILS AND SCREWS SHALL BE HOT DIP GALVANIZED. CONNECTIONS SHALL BE IN ACCORDANCE WITH THE 2008 IBC UNLESS NOTED OTHERWISE. HANGERS AND CONNECTORS SHALL BE AS MANUFACTURED BY THE COMPANY. ALL BOLTS SHALL BE FULLY NUTTED, BOLTED OR SCREWED ACCORDING TO THE MANUFACTURER.

### 2.5 METAL ROOFING

ALL METAL ROOFING SHALL BE A COMPLETE WEATHER RESISTANT SYSTEM, MET SPAN KUP RB 22 GADE. INSTALL ROOFING PER MANUFACTURER'S INSTRUCTIONS, WITH ALL APPLICABLE CUTS AND FLASHING MEMBERS.

### 2.5 METAL Siding

ALL METAL SIDING SHALL BE ASP SPAN HP-36. METAL PER MANUFACTURER'S RECOMMENDATIONS WITH ALL APPLICABLE FLASHING TO SPACE WITH EXISTING SIDING.

## 2.2 STRUCTURAL STEEL

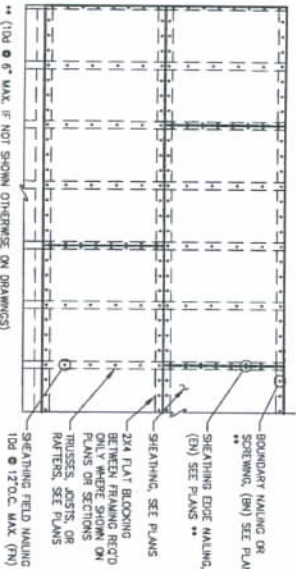
ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING

WELDS  
 ASTM A332  
 WELD METAL  
 ASTM A333  
 WELD METAL  
 ASTM A333  
 WELD METAL  
 ASTM A333

ALL EXPOSED STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A 123 OR ASTM A 153 AS APPROPRIATE.

FABRICATE AND ERECT STEEL IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE, LATEST EDITION. SUBMIT SHOP FABRICATION DRAWINGS FOR REVIEW AND APPROVAL. ALL WELDING SHALL BE IN ACCORDANCE WITH AISC D1.1, STRUCTURAL WELDING CODE. WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED IN THE PROCESS AND POSITION FOR WHICH THEY WILL BE WELDING AND IN ACCORDANCE WITH APPROVED PROCEDURES. SUBMIT WELDER QUALIFICATIONS AND WELDING PROCEDURES FOR REVIEW AND APPROVAL.

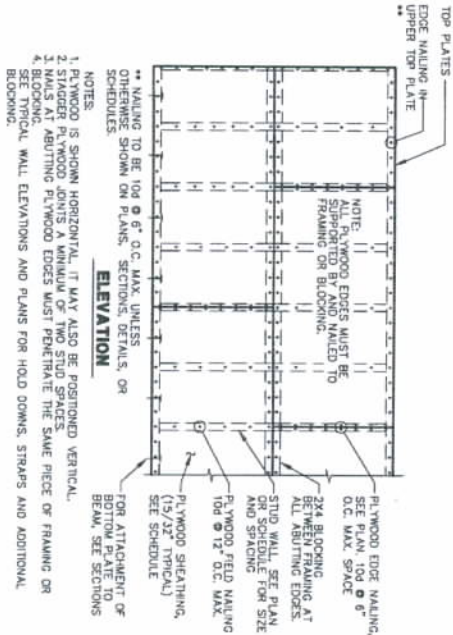
REPAIR DAMAGE TO GALVANIZING AND AT WELDS USING ZINC ALLOY STOCK METHOD AS DESCRIBED IN ASTM A760. CLEAN AREA FOR REPAIR WITH WIRE BRUSH, HEAT AREA TO OVER 600 DEGREES F, AND BRUSH SURFACE WITH STEEL WIRE BRUSH AGAIN. APPLY ZINC STOCK AND SPREAD WITH PALETTE KNIFE OR WIRE BRUSH. WHILE STEEL IS WARM, APPLY ONE COAT OF BRUSH APPLIED COLD GALVANIZING PAINT.



TYPICAL DIAPHRAGM PLAN LAYOUT

NOTES:  
 1. STAGGER SHEATHING JOINTS A MINIMUM OF TWO JOIST SPACES.  
 2. NAILS AT ABUTTING SHEATHING EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.

A TYPICAL PLYWOOD DIAPHRAGM FOR ROOF DETAIL



NOTES:  
 1. PLYWOOD IS SHOWN HORIZONTAL, IT MAY ALSO BE POSITIONED VERTICAL.  
 2. STAGGER PLYWOOD JOINTS A MINIMUM OF TWO STUD SPACES.  
 3. ABUTTING PLYWOOD EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.  
 4. SEE TYPICAL WALL ELEVATIONS AND PLANS FOR HOLD DOWNS, STRAPS AND ADDITIONAL BLOCKING.

B TYPICAL SHEAR WALL DETAIL

## ABBREVIATIONS

AI	ALTERNATE
AA	AMERICAN ASSOCIATION OF ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BLK	BLOCKING
CL	CENTER LINE
DBL	DOUBLE
EA	EACH SIDE
E/EXIST	EXISTING
ES	EACH SIDE
EX	EXTERIOR
IBO	INTERNATIONAL BOARD OF BUILDING OFFICIALS
INT	INTERIOR
NO	NOT TO SCALE
OC	ON CENTER
PL	PLYWOOD
REQD	REQUIRED
TD	TYPICAL
UN	UNLESS NOTED
WCB	WEST COAST LUMBER INSPECTION BUREAU

REV.	DATE	DESCRIPTION	BY	CHK.	APP.

**ENGINEERS, INC.**

1000 Glacier Highway, Ste. 100  
 Cordova, Alaska 99571  
 Phone: 907.546.2093  
 Fax: 907.546.2091  
 www.pacificengineers.com

DESIGN: JMS  
 CHECK: CMC  
 DATE: 9/19/12

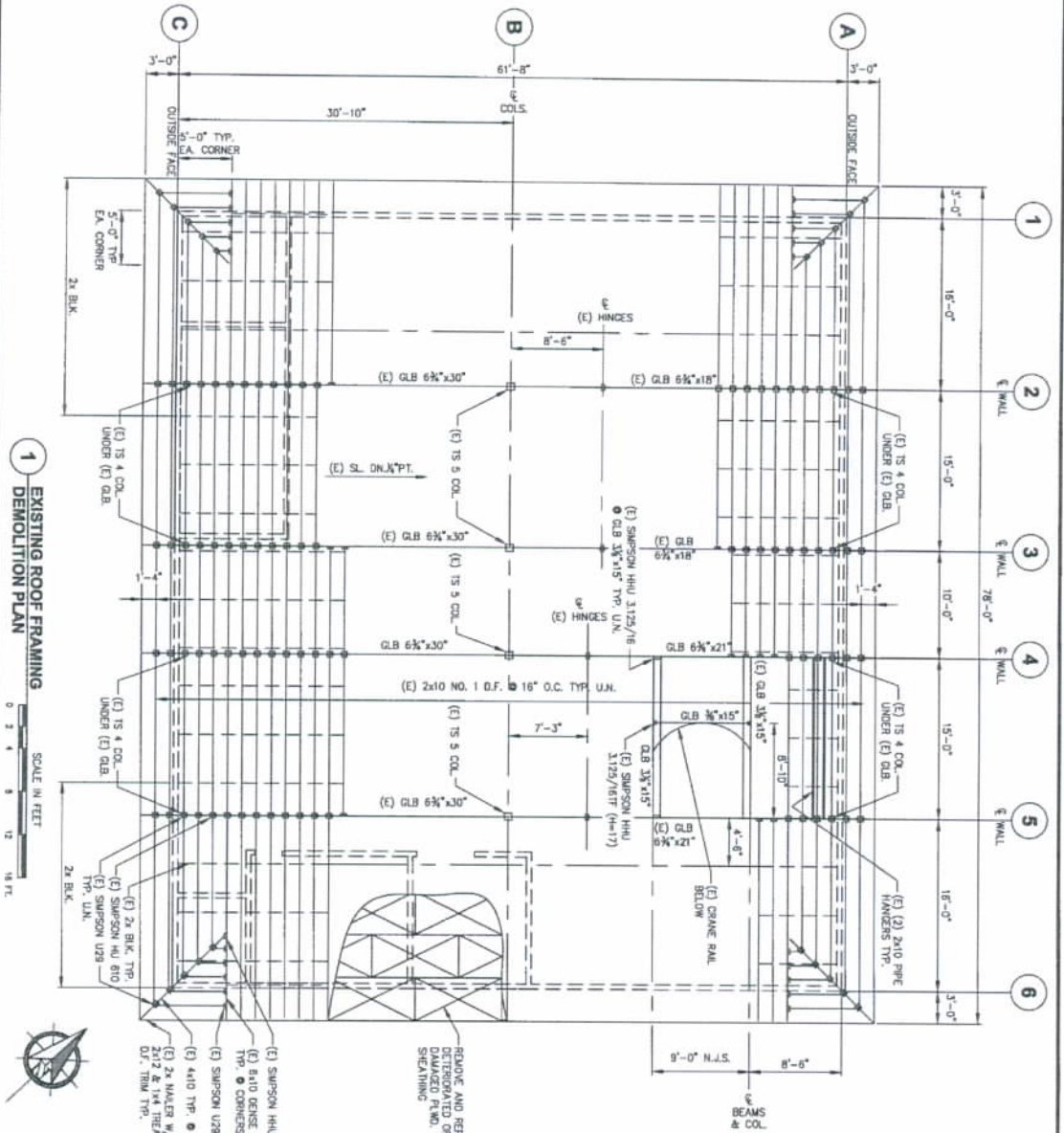
**CORDOVA, ALASKA**

**CORDOVA WATER TREATMENT ROOF**

**GENERAL NOTES**

**S0.1**

1 OF 8



1 EXISTING ROOF FRAMING  
DEMOLITION PLAN

SCALE IN FEET  
0 3 6 9 12 15 18

- NOTES
1. INSPECT EXISTING JOISTS. REMOVE AND REPLACE ROTTEN JOISTS.
  2. REMOVE EXISTING JOIST HANGERS. REMOVE AND REPLACE EXISTING JOIST HANGERS WITH MORE THAN 10% METAL LOSS.
  3. REMOVE METAL ON DAMAGED INSULATION UNDER SHEATHING JOISTS. TIEED AND CLEAVE BEAMS WITH SURFACE WATER, MOLD, ALDOL OR FUNGUS.

REMOVE AND REPLACE EXISTING JOISTS ON DAMAGED PLANK SHEATHING

- (E) SIMPSON HHLU10
- (E) 6x10 DENSE NO. 1 D.F. TYP. @ CORNERS
- (E) SIMPSON U28 TYP. U.N.
- (E) 4x10 TYP. @ CORNERS
- (E) 2x HALLER W/ 1/2" x 2" x 1/2" TYP. U.N.
- (E) 2x BLK. TYP.
- (E) SIMPSON HU 810 TYP. U.N.
- (E) SIMPSON U28

REV.	DATE	DESCRIPTION	DNW.	CHD.	APP.

ENGINEERS, INC.

1000 Chukchi Highway, Box 100  
Juneau, Alaska 99801  
Phone: 907-586-2891  
Fax: 907-586-2099  
www.pacificengineers.com

DESIGN: DBO APPROVED: DMC

DATE: 9/19/12

CORDOVA, ALASKA  
CORDOVA WATER TREATMENT ROOF

SHEET TITLE: ROOF DEMOLITION PLAN

SHEET NO: S1.0

DATE: 9/19/12

PROJECT NO: 122048.01

DESIGNER: DMC

2 OF 8

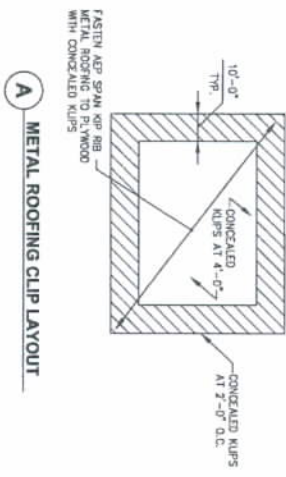
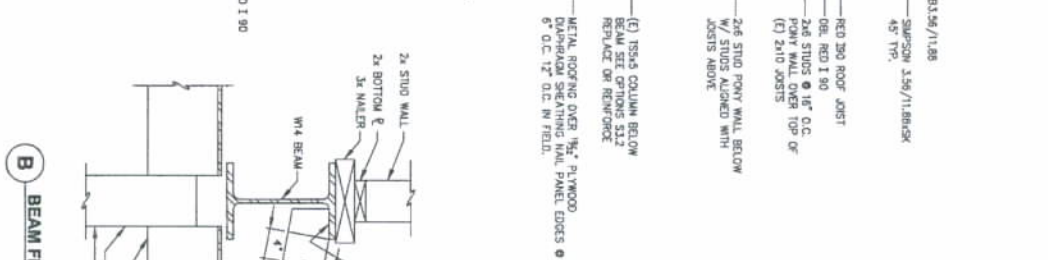
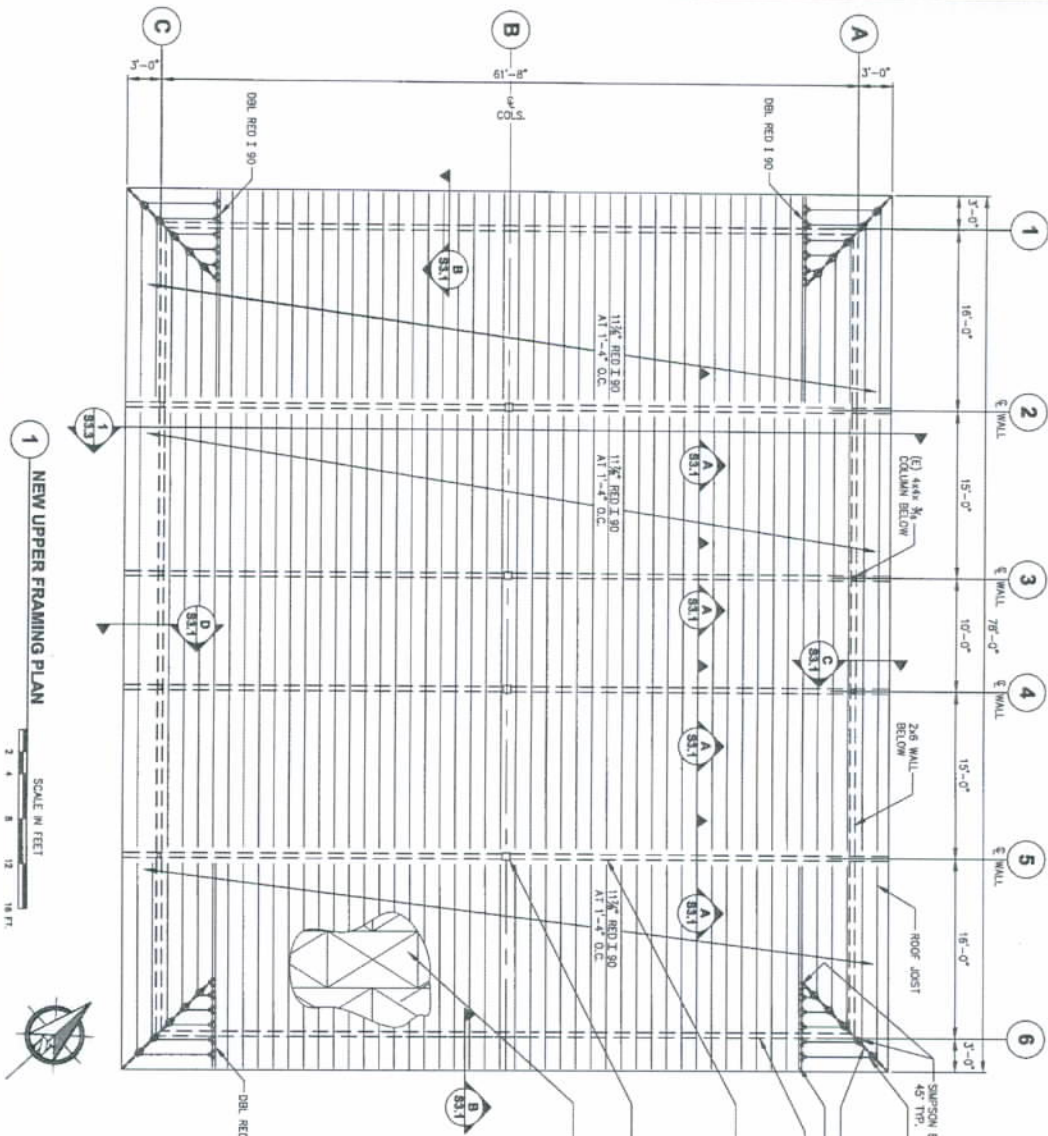




**ROOF**

**\$2.0**  
BENT  
3 OF 8





REV.	DATE	DESCRIPTION	DWN.	CHK.	APP.

**P N D**  
**ENGINEERS, INC.**  
 1006 Gable Hill Road Ste. 100  
 Anchorage, Alaska 99503  
 Phone: 907.566.2093  
 Fax: 907.566.2099  
 www.pndengineers.com

DESIGN: **DRO**    CHECKED: **CHG**    SCALE: **AS SHOWN**

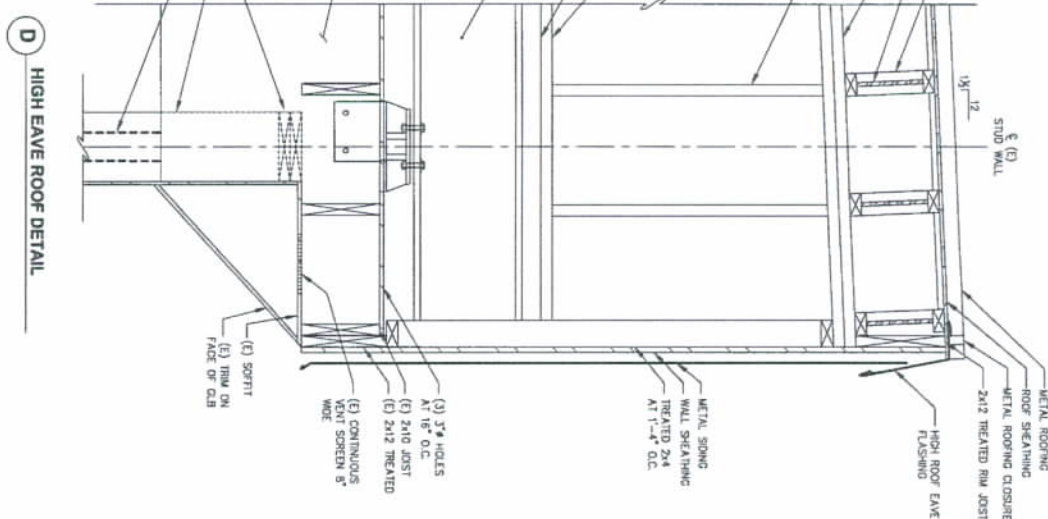
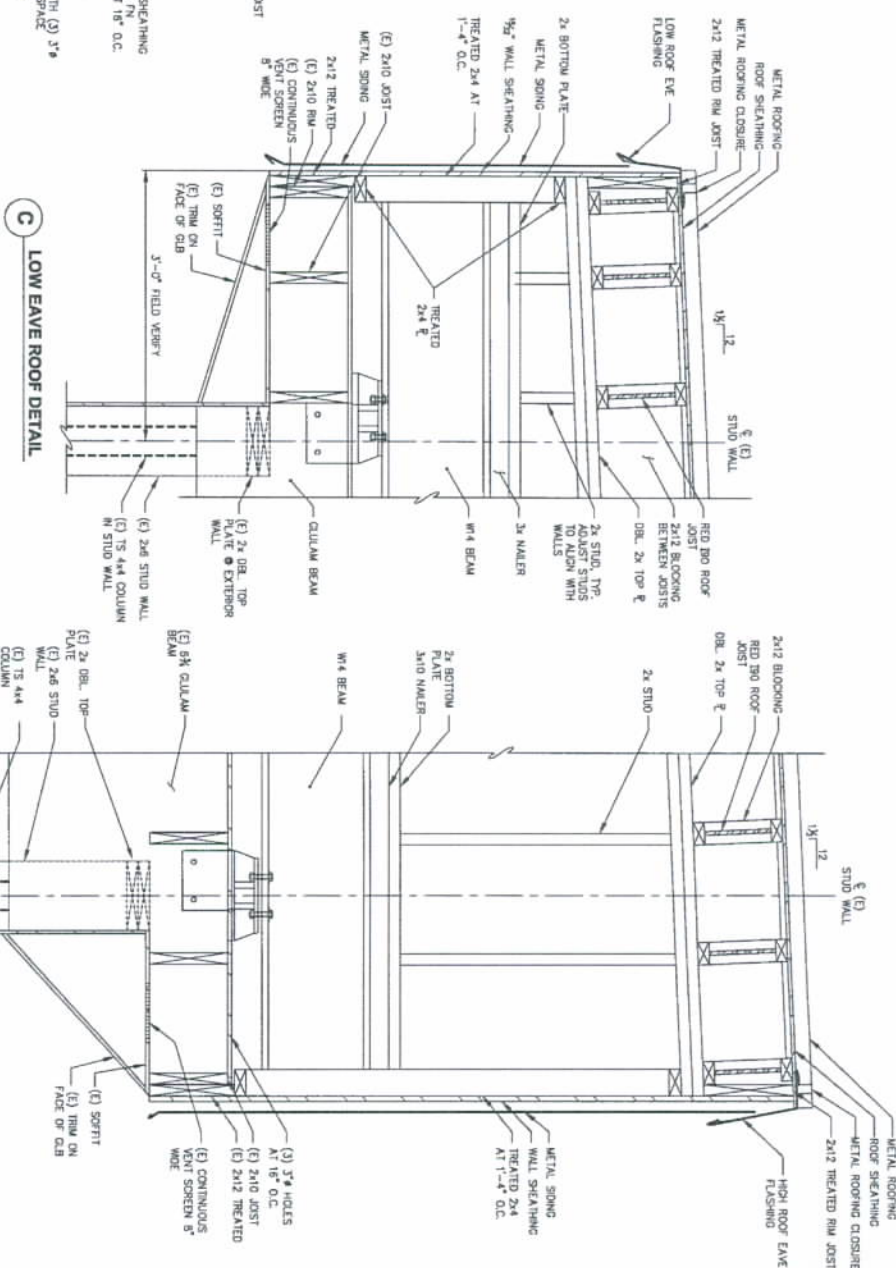
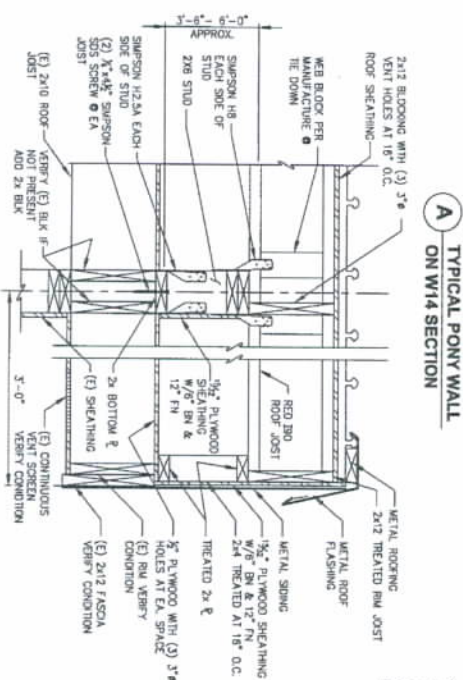
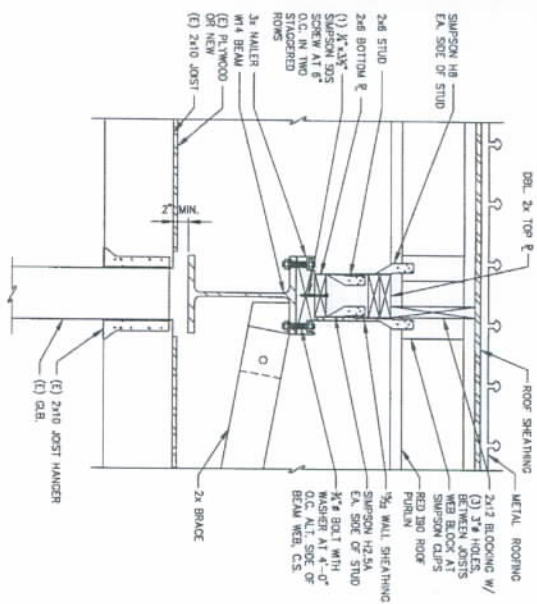
**CORDOVA, ALASKA**  
**CORDOVA WATER TREATMENT ROOF**

SHEET TITLE:  
**UPPER ROOF FRAMING PLAN**

DATE: 9/19/12

PROJECT NO.: 122048.01    DRAWN BY: **CHG**

**S3.0**  
 SHEET 4 OF 8

[illegible]

DESIGN	MOD	CHECKED	CALC	SCALE
DATE	DWG	APPROVED	CALC	

**P | N | D**  
**ENGINEERS, INC.**

9340 Clatter Highway, Ste 100  
 Jones, Alaska 99601  
 Phone: 907-586-3093  
 Fax: 907-586-5099  
[www.pndengineering.com](http://www.pndengineering.com)

DATE 9/19/12

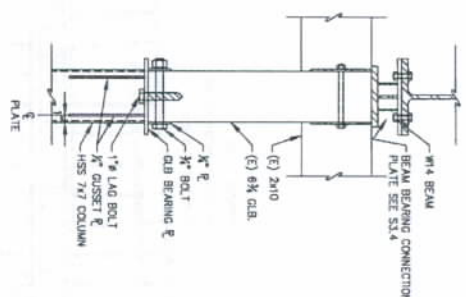
**SHEET TITLE**

**TYPICAL DETAILS**

**PIN PRODUCT NO.: 122CH-01**    **SPWG. FILE:** \_\_\_\_\_ **DWG.** \_\_\_\_\_

**S3.1**

**5 OF 8 SHEETS**

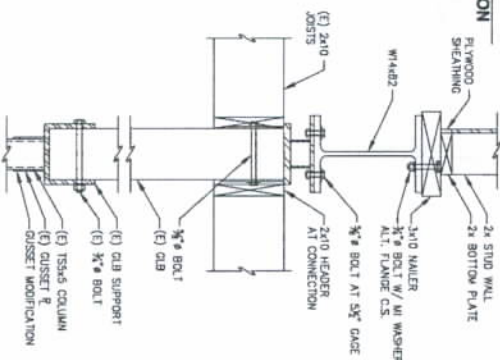


**OPTION A**

**COLUMN COVER PLATES**

**OPTION B**

**COLUMN REPLACEMENT SECTION**



**OPTION B**  
**COLUMN REPLACEMENT**

**B** HSS 5x5 COLUMN RETROFIT  
OR REPLACEMENT

### C BEAM MODIFICATION AT CONTINUOUS BEAM SUPPORT

[illegible]

**P | N | D**  
ENGINEERS, INC.

9360 Glacier Highway Ste 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
www.podiatrists.com

DATE: 9/19/12

**CORDOVA, ALASKA**  
**CORDOVA WATER TREATMENT ROOF**

**TYPICAL DETAILS**

**S3**

PROJECT NO.: 122048-D1 DRAWN BY: DWG  
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

**S3.2**  
BRIEF  
0 of 8



LTZ Project Budget	Budgeted Cost	Projected Cost	Actual Cost to Date	Notes
Overall Project Budget (LTZ Grant/Loan)	\$5,392,857.00	\$5,392,857.00		
Distribution System Leak Detection	-\$12,500.00	-\$8,645.00	\$8,645.00	Complete
New System Automation and SCADA	-\$652,000.00	-\$652,000.00	\$33,054.00	Pre-design Complete - Starting assembly of Final design RFP
Community Conservation Education Program	-\$145,900.00	-\$145,900.00		no action
Repair Morpac Tank	-\$425,000.00	-\$425,000.00		JH Assembling work scope/Budget/Preliminary Estimates
Improve Murcheson Catchment	-\$325,000.00	-\$325,000.00		JH/MZ/Dee High Scope/Budget/Preliminary Estimates
Redirect Murcheson Flow to System Filters	-\$59,200.00	-\$59,200.00		no action
Test Murcheson for E. Coll	\$0.00			Malvin Testing
Improve Orca Catchment	-\$175,000.00	-\$175,000.00		JH/MZ/Dee High Scope/Budget/Preliminary Estimates
Install UV Treatment at Orca	-\$874,000.00	-\$874,000.00		MZ/MF pre-design complete - Starting assembly of Final Design RFP
Clean Eyak Lake Intake Screens	-\$158,000.00	-\$158,000.00		no action
Replace Filter Media and Valves	-\$75,200.00	-\$75,200.00		no action
Upgrade Eyap Pumps, Controls, VFD's & Motors	-\$850,000.00	-\$850,000.00		MZ/MF assembling work scope
Design and Engineering	-\$320,300.00	-\$320,300.00		no action
Eyak WTP Roof and Column Repair	-\$750,457.00			In Progress
		-\$36,425.70	\$36,425.70	Project Complete
		-\$282,770.00		RFP 06-13 Eagle Contracting Pending Approval
		-\$50,000.00		JH ROM
Water Meter Installations	-\$185,300.00			MZ/MF assembling work scope
Road Grader/Winter Conditions Facility Access	-\$385,000.00	-\$250,000.00		Grader Ordered, ETA OCT 2013
Total Funds Remaining	\$0.00	\$705,416.30	\$78,124.70	

Eyak Lake WTP Roof and Column Repair Budget - Sloped Roof-	Budgeted Cost	Projected Cost	Actual Cost	Notes
<b>Eyak WTP Roof and Column Repair</b>	<b>\$750,457.00</b>			
<b>Eyak WTP Column Repair</b>	<b>- \$36,425.70</b>		<b>\$36,425.70</b>	<b>Project Complete</b>
<b>Design/Engineering Services PN&amp;D (35% to 100%)</b>	<b>-\$78,750.00</b>	<b>\$78,750.00</b>		JH Estimate (75% CCMC Roof project actual cost)
<b>Eyak WTP Struct Roof Repair (Sloped Roof PN&amp;D 35% design)</b>	<b>-\$380,000.00</b>	<b>\$380,000.00</b>		Eagle ROM - NPE ROM = \$497,000.00 (10% Rot Assumption)
<b>Additional Cost increase for 100% Rot Replacement</b>	<b>-\$96,384.60</b>	<b>\$96,384.60</b>		Per JH intrusive investigation on site/JH ROM
<b>Construction Phase Services PN&amp;D</b>	<b>-\$31,500.00</b>	<b>\$31,500.00</b>		JH Estimate (75% CCMC Roof project actual cost)
<b>Testing Services (Structural Welding Inspection)</b>	<b>-\$6,000.00</b>	<b>\$6,000.00</b>		JH ROM based on Historical SS testing
<b>Contingency 10%</b>	<b>-\$59,263.46</b>	<b>\$59,263.46</b>		
<b>Total Funds Remaining</b>	<b>\$62,133.24</b>	<b>\$651,898.06</b>	<b>\$36,425.70</b>	

Eyak Lake WTP Roof and Column Repair Budget	Budgeted Cost	Projected Cost	Actual Cost	Notes
Eyak WTP Roof and Column Repair	\$750,457.00			
Eyak WTP Column Repair	-\$36,425.70		\$36,425.70	Project Complete
Eyak WTP Struct Roof Repair (Replace with like kind)	-\$282,770.00	\$282,770.00		RFP 06-13 Eagle Contracting Pending Approval
Eyak WTP EPDM Roofing (20 year warantee)	-\$75,000.00	\$50,000.00		JH ROM
Contingency 10%	-\$35,777.00	\$35,777.00		
Total Funds Remaining	\$320,484.30	\$368,547.00	\$36,425.70	



# Historical Daily Potable Water Usage for the City of Cordova (in Gallons Per Minute)

