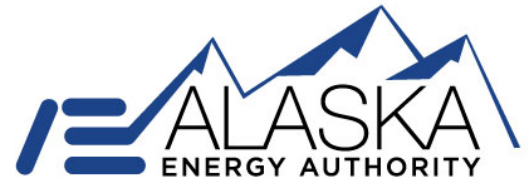


February 23, 2015

Addendum 2
Invitation to Bid 15110
Construction of Rural Power Plant Upgrades
On behalf of the City of Nunam Iqua



Addendum 2 extends the bid date, replaces the original bid schedule, and answer questions.

1. **The Bid Submission date is extended.** Bidders shall submit sealed bids in single (1) copy. All Bids including any modifications or withdrawals shall be received prior to the bid opening; bids will be publically opened at Authority's Office on **Tuesday, March 3, 2015 at 2:00 p.m.** Alaska time, Willow Conference Room.
2. Please acknowledge receipt of this addenda on the Bid Schedule herein.
3. Sheet S1.2 refers to detail # 1/S3, 2/S3, and 4/S2. I do not see sheets S2 or S3 in the bid doc plans.

Answer: Delete references to detail 1/S3, 2/S3 and 4/S2.

4. Sheet C2 shows a possible underground utility crossing west of the city hotel and tribal office. In today's pre-bid, it was mentioned we would not need to cross, but I believe Joe was referring to the crossing to the east of the City Hotel. Looking on Google Earth, it also appears there is a major crossing here. Can you confirm the depth of this utility crossing?

Answer: Attached CE2 as-built record drawing sheet C6.8 is included for reference. City personnel note that Cat D8 and D9, and loaded dump trucks have used the crossing in the past without issue. Bidder shall be responsible to ensure project equipment does not damage utilidor(s).

5. The specs call for all the deck steel to be HDG (note 3, Sheet S1.2). This essentially eliminates any pre-fabrication in Alaska. Would it be possible to have a deviation to zinc coat, or other method?

Answer: Provide HDG as per specification. No deviation allowed.

6. Note # 2 on sheet S1.2 states "See Mechanical Support Plan MS1..." MS1 is missing from the bid set.

Answer: Delete reference to MS1.

7. What is the height of the lowest overhead power line crossing the travel route from the barge landing area to the project site?

Answer: Power plant operator reports it is about **30 feet**. Since the electric company is owned by the city disconnection and reconnection can be easily scheduled if needed. Please note that there is also a telephone line which hangs below the power line and is the responsibility of United Utilities, Inc.

8. Is there a topo or survey of the existing gravel material on site?

Answer: No topo available, Engineer estimates +/- 68 cubic yards of material available. Contractor shall use care to maximize benefit of existing material.

9. Will the contractor have access to temporary utilities (water, power, phone, fax, restrooms, fuel)?

Answer:

- Hotel has power, water, phone line, and restrooms if the bidder is going to use it - confirm availability with City of Nunam Iqua. Current rental of the building is \$1250/month. Heating fuel is provided. Water Sewer Utilities are metered and paid by the occupant. Current monthly base rate \$80.00/month + \$.20/gallon. Electricity is paid by the occupant. Current rate is \$.60/KW for the first 2000 KW and then \$.55/KW after 2000KW. A Phone line is connected to the building – contact UUI to open account and turn on, and for rates. Phone line works for fax, however there is no fax machine provided. GCI has cellular service in the area.
- If bidder requires water for construction (exceeds flows available at City Hotel), a connection to the utilidor must be approved by the Head Waterplant Operator. If construction of service connection is done by the City, all time and materials will be billed. For service the New Service Line Connection Fee is \$1000 for water and \$1000 for sewer. Deposit is \$80.00. Water use is metered: Rate would be the same as for the hotel. For alternative water supply – such as hosed connection to existing source, contact City for availability.
- Electric Power requires a deposit of \$40.00 plus a connection fee of \$20.00. Electricity is metered: Current rate is \$.60/KW for the first 2000 KW and then \$.55/KW after 2000KW.
- **City Fuel Sales** sells gas and stove oil. If a large amount of fuel is needed, best contact Sarah Wasuli at (907) 498-4226 to make sure additional fuel is purchased on the spring fuel order.
- Contact City for solid waste disposal availability.

10. Replace Bid Schedule with attached revised Bid Schedule adding fixed rates for unit cost for freight adjustments.

- a. These rates will be used for freight exceeding the estimated total weight of 175,000 pounds, the sum of Freight Lot A and Freight Lot B.

- b. Bidder acknowledges arctic pipe and/or arctic pipe fittings may be relocated from Freight Lot B to Freight Lot A at no additional cost to the contract.
11. Reference Section 00800 Supplemental Conditions, SC 1 Project Schedule. Replace “AEA Warehouse Lot-B” with “Northland Dock, Seattle Lot-B”.
 12. Replace Section 01100 Summary of Work with attached revised Section 01100 Summary of Work in its entirety. Includes changes to Freight Lot A and Freight Lot B.
 13. Replace Sheet S1.2 with attached revised Sheet S1.2. Shows wide flange deck framing located between the extended module skid beams will be provided with the module and are no longer in scope.
 14. Job is located in Nunam Iqua (formally Sheldon Point). Project located within 1,500 feet of barge landing.
 15. Drawing C1.1 note 12, states Contractors are supposed to provide spill response in accordance with AEA’s standard spill response kit – what is AEA’s standard spill response kit?

Answer: Delete Note 12 on Sheet C1.1, in its entirety.

16. Section 00800 Add SC 8 -Insurance Requirements, additional (Section 5.4.2 e. of the General Conditions), Contractor shall provide Marine Cargo Carriage Insurance for the full value of the module in transport estimated at a value of \$1.5-million.
17. Confirm use of Welded Bar Grating vs Grip Strut Plank Grating.

Answer: All grating is to be Serrated Bar Grating as called out on S1.2. There is no Grip Strut in this project.

Thank you for your interest in our bid requirements.

Very truly yours,

Althea S Clapp

Althea S. Clapp, Sr. Contracting Officer

aclapp@aidea.org

Attached:

Bid Schedule

Summary of Work

Drawing Sheet S1.2

CE2 Reference Drawing C6.8

Alaska Energy Authority
 Rural Power Plant Upgrades - on behalf of Nunam Iqua
 Invitation to Bid 15110
 Bid Schedule - Revised Addendum 2

Item	Description	Quantity	Unit Price	Price
1	Construction Base Bid	1	Lump Sum	
2	Freight Lot A	1	Lump Sum	
3	Freight Lot B	1	Lump Sum	
Total Sum of Base Bid				

Bidder acknowledges that bid prices for Freight Lot A and Freight Lot B are unchanged should arctic pipe and/or fittings be moved from Lot B to Lot A.

Bidder acknowledges that, any additional freight*, exceeding 175,000 pounds, will be reimbursed at the following rates:

LCL - Misc Materials	\$1.50/lb
20' Container SLC	\$1.10/lb
20' Flat SLC	\$0.50/lb

***Additional freight is any weight in excess of total estimated weight of Lot A and Lot B combined, as listed in the Freight Manifest listed herein. The rates include all costs including taxes, fuel surcharges, wharfage, handling, arbitraries, etc. The actual weight of additional materials will be determined after all materials have been received and weighed by the successful bidder.**

Bidder shall bid on all bid items.

See Specifications Section 01100-R Summary of Work for detailed description of each bid item.

Acknowledge all addenda

Addenda: _____

Print Company Name

Authorized Signature

Date

Print Name and Title of Authorized Signature

Email Address

1-Page, the back side of the sheet is blank intentionally.

SECTION 01100-R

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section describes the project and the work to be performed under this Contract. Detailed requirements and extent of work are stated in applicable Specification sections and shown on the Drawings.

1.02 ORGANIZATION AND INTERPRETATION OF CONTRACT DOCUMENTS

- A. Specifications and Drawings included in these Contract Documents establish the performance, quality requirements, location and general arrangement of materials and equipment, and establish the minimum standards for quality of workmanship and appearance.
- B. The Contractor shall, except as otherwise specifically stated in applicable parts of these Contract Documents, provide and pay for labor, materials, equipment, tools, construction equipment, facilities, and services necessary for proper execution, testing, and completion of the work.
- C. A part of the work that is necessary or required to make each installation satisfactory and operable for its intended purpose, even though it is not specifically included in the Specifications or on the Drawings, shall be performed as incidental work as if it were described in the Specifications and shown on the Drawings.
- D. Specification sections have not been divided into groups for work of subcontractors or various trades. Should there be questions concerning the applicability or interpretation of a particular section or part of a section or Drawing, direct questions to the Authority.

1.03 DESCRIPTION OF PROJECT

- A. The project is comprised of major work elements described below. These are not intended to be all inclusive. The Contractor shall:
 1. Transport Owner furnished power generation module and miscellaneous construction materials as generally described in the Freight Manifests, Lots A & B (below) to Nunam Iqua, Alaska.
 2. Temporarily relocate existing 12,000 gallon intermediate fuel tank.
 3. Furnish and install steel H-Pile/thermoprobe foundation systems.
 4. Furnish and install steel H-Pile power pole supports.
 5. Install the power generation module on pile foundation.
 6. Install existing 12,000 gallon fuel tank on the pile foundation.

7. Furnish and install power poles on power pole supports.
8. Furnish and install deck framing, bar grate, handrails, and stairs.
9. Provide general civil work as per plans and specifications.

B. Freight Manifests

Freight Manifest – Lot A (AEA Warehouse, Anchorage, AK)		
Item	Weight #	Description/Dimensions
A1	105,000	One each structural steel modular power plant. Overall dimensions are 56' long x 15'-6" wide x 12'-6" high. Note that the module is equipped with skids and a raised pan deck and the skids have lifting eyes at each end. Refer to Figure 1 below for details.
A2	15,000	One each standard 20' shipping container with miscellaneous building materials. Container will be furnished and loaded by Owner. Indicated weight includes container (gross).
A3	15,000	One each standard 20' shipping container with miscellaneous building materials. Container will be furnished and loaded by Owner. Indicated weight includes container (gross).
	135,000	Total Weight for Lot A Materials

Freight Manifest – Lot B (Northland dock, Seattle, WA)		
Item	Weight #	Description/Dimensions
B1	25,000	One each standard 24' shipping flat with miscellaneous metal roofing, trusses, plywood, and miscellaneous lumber. Flat will be furnished and loaded by Owner. Indicated weight includes flat (gross).
B2*	15,000	One lot arctic pipe and fittings, 40' long pre-insulated pipe bundles plus fittings in crates.
	40,000	Total Weight for Lot B Materials

C. Freight Transport

Contractor shall be responsible for transport of all equipment and materials to the project site.

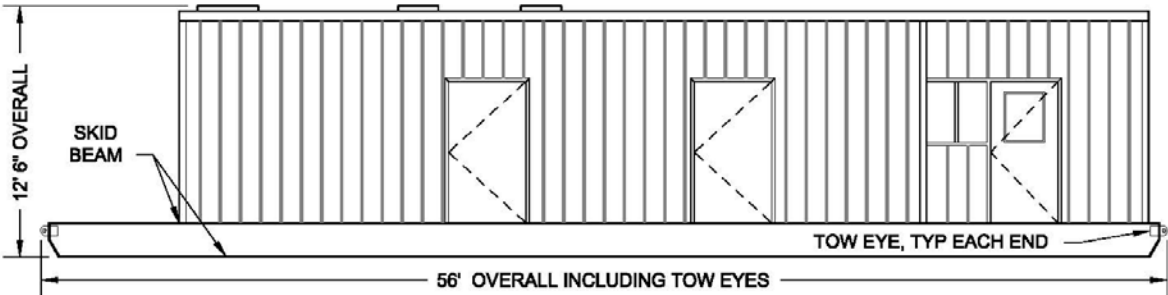
Pick up freight in two locations: (1) Lot A at the Alaska Energy Authority (AEA) Warehouse, 2601 Commercial Drive, Anchorage, Alaska, 99501, and (2) Lot B at Northland Seattle dock, Terminal 115, 6700 W. Marginal Way SW, Seattle, Washington, 98106. Deliver freight to Nunam Iqua, Alaska.

The power generation module will require a high capacity drop deck trailer. The module skid will be placed on blocks by the AEA to provide a minimum of 36" of clearance under the pan deck to allow picking with a drop deck trailer. Jacks and laborers will be provided by AEA at no cost to the Bidder for lowering onto the trailer, if required.

Arctic pipe will be in bundles that will accommodate handling using slings. Fittings and loose materials will be in crates ready for shipment.

***NOTE:** Depending on manufacturer, the arctic pipe and/or arctic pipe fittings may be relocated to Lot A. Bidder understands that, should arctic pipe and/or arctic pipe fittings be relocated to Lot A, bid price will remain unchanged.

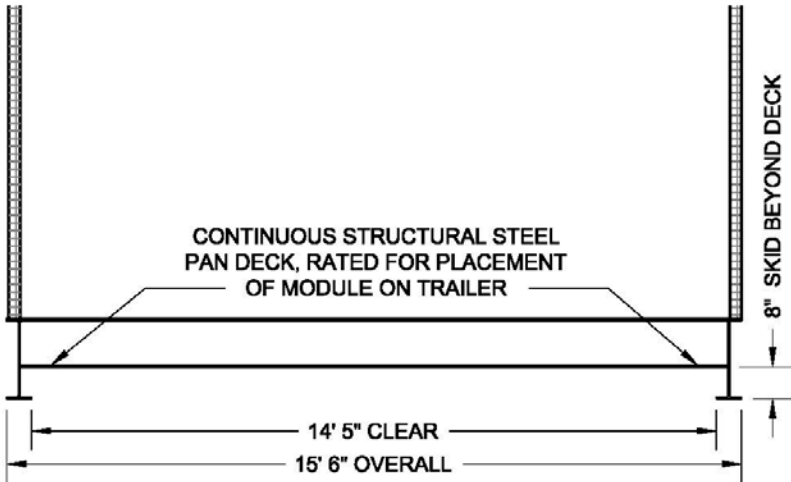
FIGURE 1



**SIDE ELEVATION VIEW-CONTRACTOR TO
CONFIRM ALL DIMENSIONS**

1
FIG 1

SCALE: N.T.S.



**SECTION THROUGH MODULE-CONTRACTOR TO
CONFIRM ALL DIMENSIONS**

2
FIG 1

SCALE: N.T.S.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

STATE OF ALASKA, AIDEA/AEA
RURAL POWER SYSTEM UPGRADE
 NUNAM IQUA POWER PLANT
 NUNAM IQUA, ALASKA

CONSTRUCTION DOCUMENTS		
REVISIONS	DESCRIPTION	
REV DATE	DECKING LEDGER	
1 11/10/14	DECK RAILING MOD	
2 12/15/14	CONFORMED SET	
1 1/20/15		

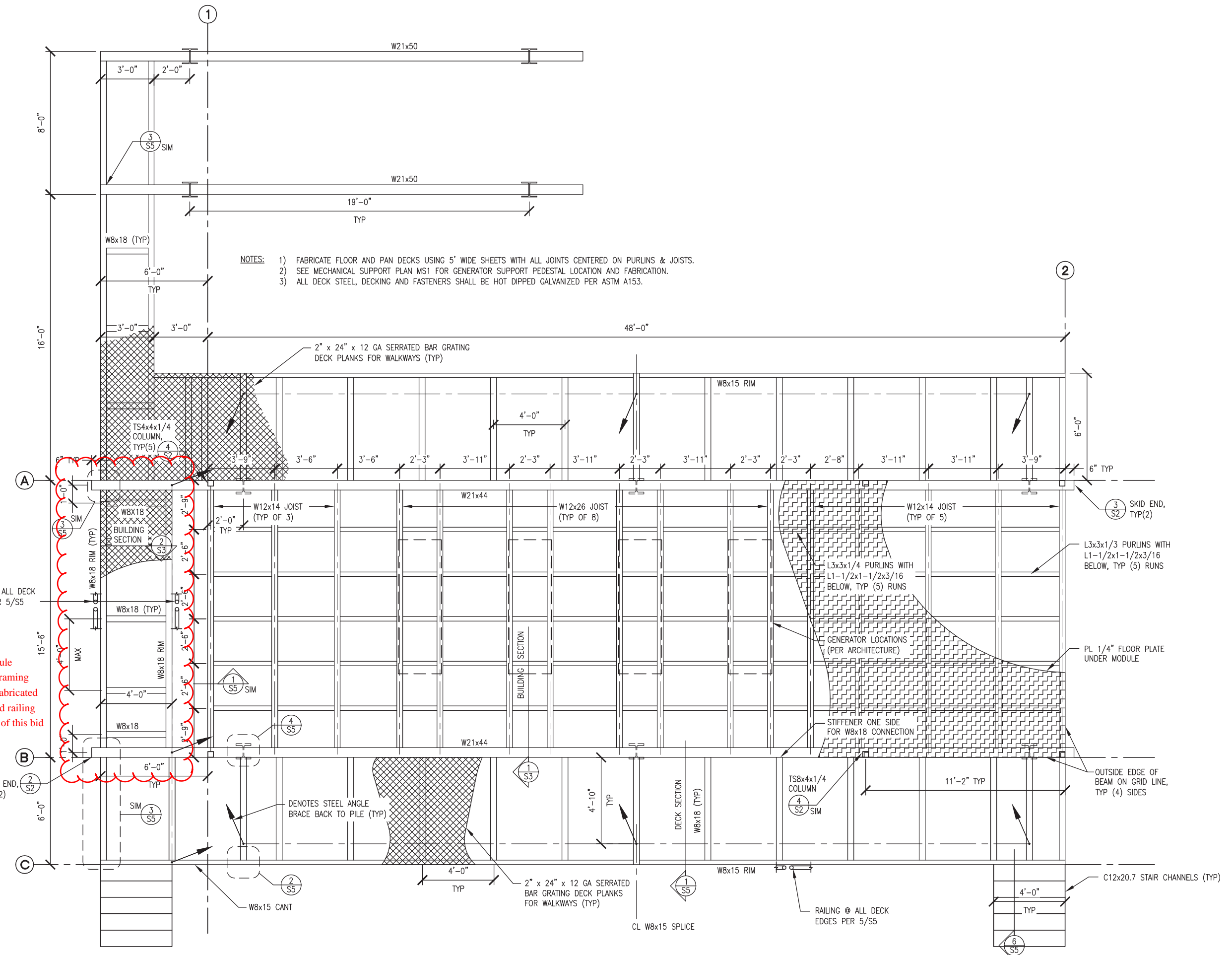
VERIFY SCALES
 0 1"
THIS BAR REPRESENTS ONE INCH ON ORIGINAL DRAWING



DATE: 09/24/14
 DRAWN BY: RW/DM
 CHECKED BY: DG
 JOB NUMBER:

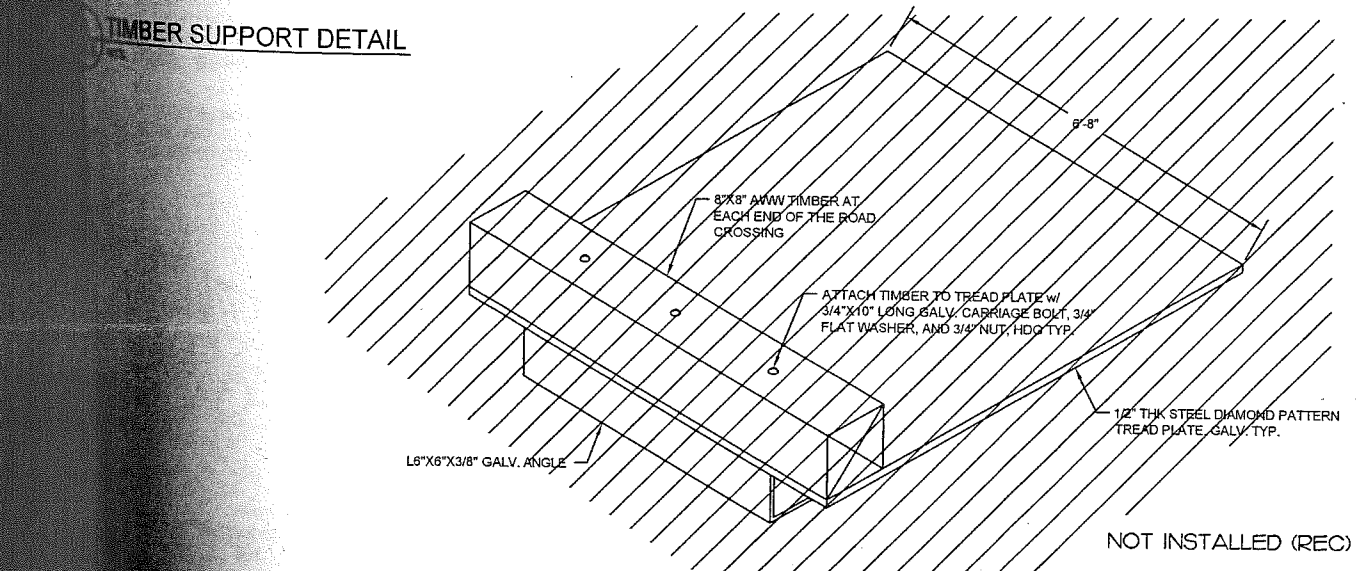
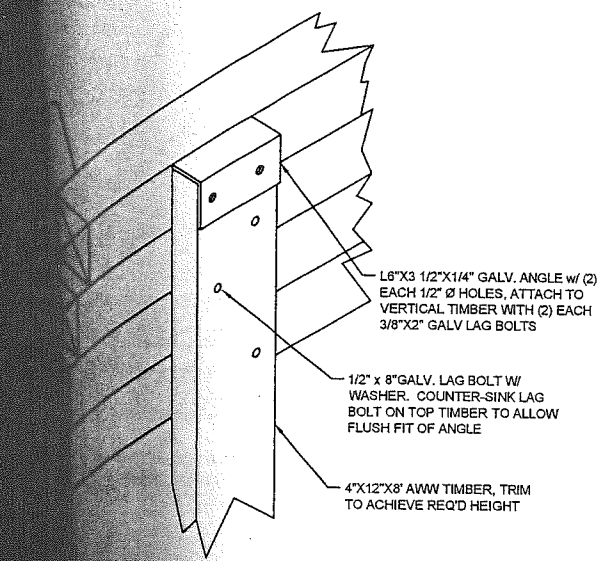
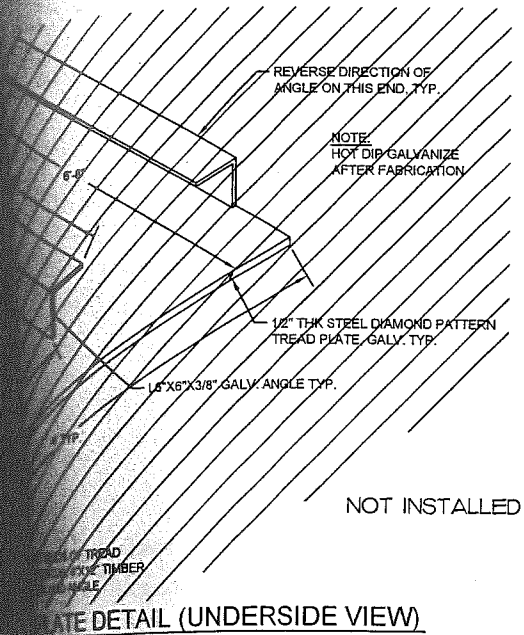
DRAWING TITLE:
MODULE AND CATWALK BEAM LAYOUT PLAN

S1.2
 SHEET OF

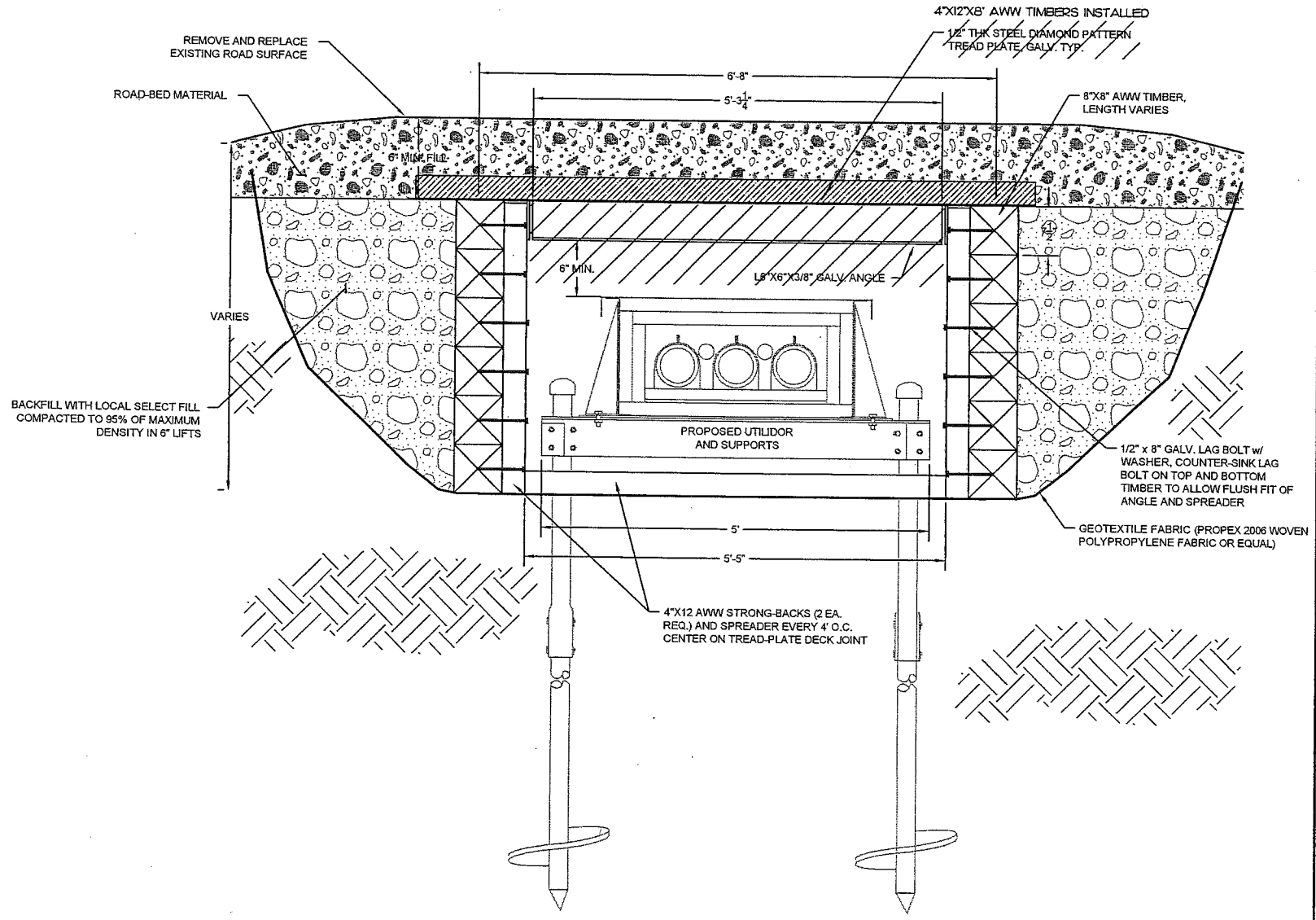


Wide Flange framing between module skids will be provided by others. Framing connections and beams have been fabricated by module supplier. Bar grating and railing to be supplied by contractor as part of this bid

1 FLOOR FRAMING PLAN
S2 3/8"=1'-0"



4 TREAD PLATE DETAIL (TOP VIEW)
C6.8 NTS



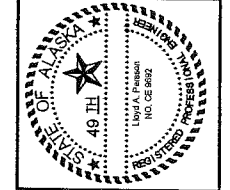
1 ROAD CROSSING DETAIL
C6.8 NTS



RECORD DRAWING

RECORD DRAWING CERTIFICATE
THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.
NAME: *Lloyd A. Person*
DATE: *5/11/11*

SCALE: AS SHOWN
SEE THE END OF DRAWING FOR SCALE INFORMATION
IF NOT ONE INCH ON SCALE ACCORDING TO



2007 COMMUNITY SANITATION SYSTEM
UTILIDOR ROAD CROSSING DETAILS
NUNAM IQUA, ALASKA



REVISION	BY	DATE

Project No. _____
Date: MAY 2007
Designed: DMB
Drawn: DMB
Approved: LAF

Sheet No. C6.8