



ADDENDUM TO THE CONTRACT

for the

RAINFOREST RECOVERY CENTER DETOX ADDITION Contract No. BE19-173

ADDENDUM NO.: FIVE

CURRENT DEADLINE FOR BIDS:
April 30, 2019

PREVIOUS ADDENDA: FOUR

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

DATE ADDENDUM ISSUED:

April 26, 2019

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: <http://www.juneau.org/engineering ftp/contracts/Contracts.php>

CLARIFICATIONS:

Question 1: "Section 23096.1.1.A. States work includes the installation of a Direct Digital Controls (DDC) control system with a totally native BACNet based system, including a host workstation with control system graphics connected with an existing control system. Is the existing control system all electric?"

Response 1: Yes, the existing control system is all electric.

Question 2: "Will the control contractor be required to provide any control drawings, graphics or programming of existing control system?"

Response 2: No

Question 3: "Section 23096.1.3.A.2. States The Work includes installation of a new DDC system for the project area (Detox Addition), mechanical components, related circulation pumps PMP 4A & 4B, Air Handling Unit AHU-2, Return Fan RF-1, and Exhaust Fan EF-1. All existing controls, generally electric, in the project area are to be removed. Will the removal of existing control system require any new controls for AHU1 or any other systems not listed in scope of work?"

Response 3: All existing controls in the detox clinic and in the conference room are to be removed. Existing controls for AHU-1, the boiler, the 5 existing heat pumps and throughout the rest of the building are to remain.

Question 4: "Section 23096.1.3.A.3. States The Work includes installation of a new controls interface for the 2 existing boilers and associated hydronic heat pumps (5). No sequence of operations was provided for the existing boilers. Also, Detail 1 on M801 displays a 3-way control valve and temperature sensors. Will the control valve remain as existing or be replaced?"

Response 4: See Project Manual Item No. 8 in this Addendum .The 3 way control valve is a new control valve.

Question 5: "Will the contractors be provided with a sequence of operations for the control valve and existing boilers?"

Response 5: See Project Manual Item No. 9 in this Addendum.

PROJECT MANUAL:

Item No. 1: SECTION 00030 – Notice Inviting Bids – Deadline for Questions - Question period is closed.

Item No. 2: Section 08 7100 – DOOR HARDWARE, PART 2 PRODUCTS, **add** a paragraph that reads,

"2.16 ADA LOW ENERGY OPERATOR.

A. ADA Low Energy Operator.

1. Overhead concealed pedestrian swing door operator.

a. ANSI compliance: field selectable full pedestrian usage (ANSI A156.10) and low energy (ANSI A156.19).

b. Door weight: up to 700 lbs (315 kg) per operator

c. Manual push force: adjustable from 5 lbf – 15 lbf

d. Stack pressure compensation

e. Intelligent trajectory control

f. Extended Closing Torque (ECT)

2. Manufacturers

a. Assa Abloy

b. Norton

B. Stainless Steel Actuator

1. 4.5 Inch Round Push Plates

a. Faceplate Material : 16 guage 304 Stainless Steel

b. Backplate Material: 1/8" aluminum

c. Flush installation in framed wall

d. Hardwired

2. BEA, Inc."

Item No. 3: Section 08 7100 – DOOR HARDWARE, 3.8 DOOR HARDWARE SETS, C. Manufacturer's Abbreviations, **add** lines which read, "8. AA – Assa Abloy. 9. BE – BEA, Inc."

Item No. 4: Section 08 7100 – DOOR HARDWARE, 3.8 DOOR HARDWARE SETS, Hardware Sets, Set X, **modify** the line which reads, "1 ADA Low Energy Operator" **to** read, "ADA Low Energy Operator SW200i-OHC AA"

Item No. 5: Section 08 7100 – DOOR HARDWARE, 3.8 DOOR HARDWARE SETS, Hardware Sets, Set X, **modify** the line which reads, "2 Push Button Switch" **to** read, "2 Stainless Steel Actuators 10PBR451 BE."

Item No. 6: Section 08 7100 – DOOR HARDWARE, 3.8 DOOR HARDWARE SETS, Hardware Sets, Set X2, **add** the following: "3 Hinge TA2714 4.5 x 4.5 US26D MK 087100"

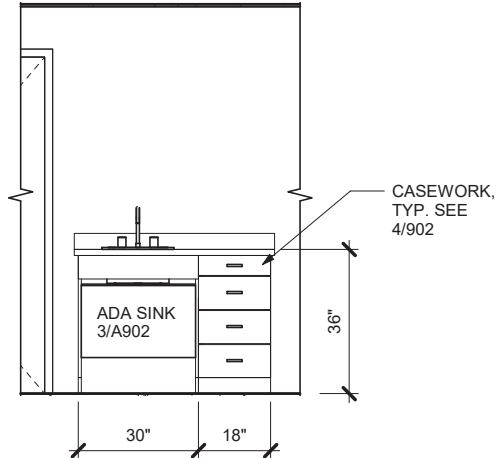
- Item No. 7: Section 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 1.1 OVERVIEW, Paragraph A, **replace** with the following:
“Furnish all labor materials, equipment, and service necessary for the renovation of the HVAC control system for the Rainforest Recovery Center addition in Juneau. Work includes the installation of a Direct Digital Controls (DDC) control system with a totally native BACNet based system, including a host workstation with control system graphics. All new building controllers, application controllers, and all input/output devices shall communicate using the protocols and network standards as defined by ANSI/ASHRAE Standard 135, BACNet. All workstations and controllers, including unitary controllers, shall be native BACNet devices.”
- Item No. 8: Section 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 1.3 SYSTEM DESCRIPTION, Paragraph A SCOPE OF WORK, **delete**
“3. The Work includes installation of a new controls interface for the 2 existing boilers and associated hydronic heat pumps (5).”
- Item No. 9: Section 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 3.8 SEQUENCE OF OPERATIONS, **add** a new paragraph G to read:
“THREE WAY MIXING VALVE: Modulate three-way temperature control valve to maintain a supply water temperature of 140 Degrees F (adjustable)”
- Item No 10: Section 230926 – BUILDING AUTOMATION SYSTEM AND AUTOMATIC CONTROLS, 3.8 SEQUENCE OF OPERATIONS, **renumber** the original Paragraph “G” to Paragraph “H.”

DRAWINGS:

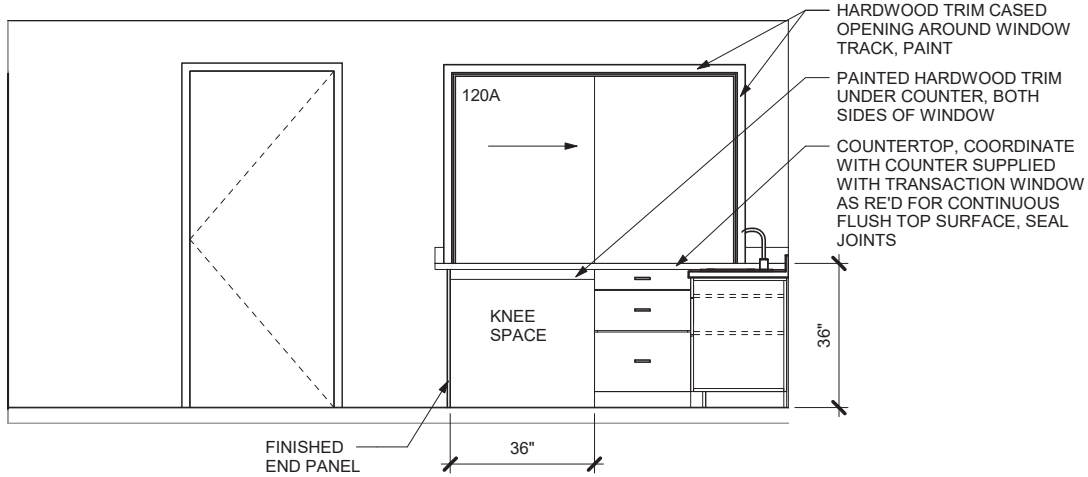
- Item No. 1: Drawing 2/A403 – ALTERNATE 2 - PLAN, **add** an interior elevation callout at the sink and counter shown in Activity 140 which reads, “4/A503”
- Item No. 2: Drawing A503 –INTERIOR ELEVATIONS, **modify** drawing as per the attached.
- Item No. 3: Drawing M003 –SCHEDULES, **modify** drawing as per the attached.
- Item No. 4: Drawing M601 –LARGE SCALE MECHANICAL & FAN ROOMS, **modify** drawing as per the attached.
- Item No. 5: Drawing M602 –MECHANICAL ROOMS 123A SECTIONS, **modify** drawing as per the attached.
- Item No. 6: Drawing M603 –FAN ROOM 153 SECTIONS, **modify** drawing as per the attached.
- Item No. 7: Drawing M702 –LARGE SCALE DETOX AREA - HEATING, **modify** drawing as per the attached.
- Item No.8: Drawing M801 –HEATING DETAILS AND DIAGRAMS, **modify** drawing as per the attached.

By: Greg Smith
Greg Smith,
Contract Administrator

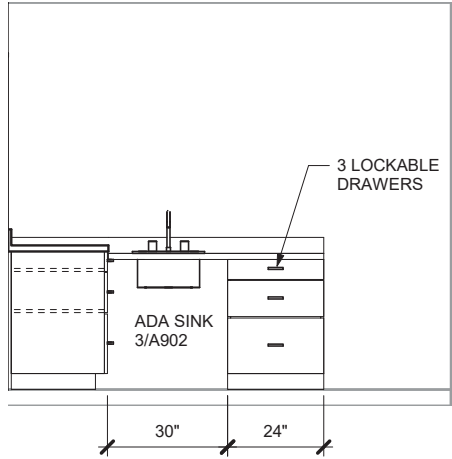
Total number of pages contained within this Addendum: 11



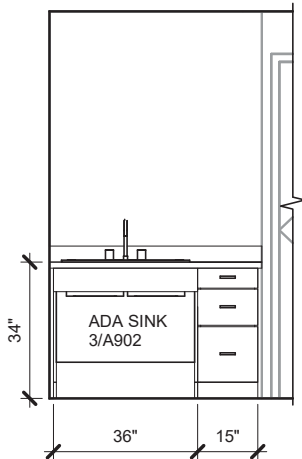
1 DOCTOR 118



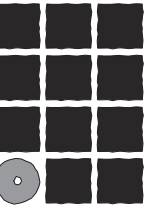
2 NURSE 120



3 NURSE 120



4 ACTIVITY 140 - ALT 2



Jensen
Yorba
Lott
Inc.

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
CBJ Project #BEI9-173
Juneau, Alaska

100% CDs

REVISIONS
1 Addendum 2
2 Addendum 5
3

SHEET TITLE
INTERIOR
ELEVATIONS

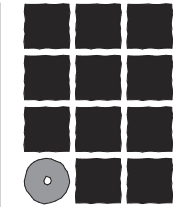
DATE: April 26, 2019
FILE: 18002

A503

VAV SCHEDULE							
NOTES:							
TAG		MAX CFM	MIN CFM	INLET SIZE	BASIS OF DESIGN		COMMENTS
					MANUFACTURER	MODEL	
VAV	1	120	120	4"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	2	120	120	4"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	3	295	295	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	4	230	230	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	5	300	300	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	6	280	280	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	7	300	300	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.
VAV	8	400	400	6"	TITUS	DESV	MOUNT VAV UNIT IN ATTIC SPACE.

DIFFUSER, REGISTERS, & GRILLES SCHEDULE						
NOTES: FOR AIR TERMINAL NECK SIZE SEE FLOOR PLAN DRAWINGS						
MARK	TYPE	DIMENSIONS	COLOR	BASIS OF DESIGN		COMMENTS
				MANUFACTURER	MODEL	
EG-1	CEILING MOUNTED EXHAUST GRILLE	12X12	WHITE	TITUS	350FL	MOUNTED IN HARD LID CEILING
RG-1	CEILING MOUNTED RETURN GRILLE	12X12	WHITE	TITUS	350FL	MOUNTED IN HARD LID CEILING
RG-2	WALL MOUNTED RETURN GRILLE	10X8	WHITE	TITUS	350FL	WALL MOUNTED GRILLE
SG-1	CEILING MOUNTED SUPPLY DIFFUSER	12X12	WHITE	TITUS	TDCA	MOUNTED IN HARD LID CEILING
SG-2	WALL MOUNTED SUPPLY GRILLE	10X8	WHITE	TITUS	300FL	WALL MOUNTED GRILLE

LOUVER SCHEDULE									
NOTES:									
MARK	SYSTEM DESCRIPTION	CFM	HEIGHT	WIDTH	FREE AREA	DELTA P-MAX (IN-WG)	BASIS OF DESIGN		COMMENTS
L-1	AHU-2 RELIEF AIR	1950	24	32	23X31	.04	RUSKIN	ELF6375DXH	VERIFY COLOR WITH ARCHITECT



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



PDC
ENGINEERS

PLAN • DESIGN • CONSTRUCT

907 Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
CBJ Project #BE19-173
Juneau, Alaska

100% CDs

REVISIONS

5

LOUVER &
HEATING WATER
PIPE SIZING

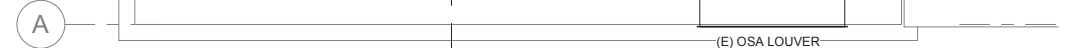
SHEET TITLE

SCHEDULES

DATE: APRIL 24, 2019

FILE: 18002

M003



1 LARGE SCALE FAN ROOM



2 LARGE SCALE BOILER ROOM

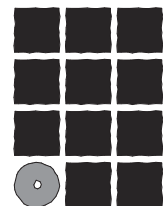


SHEET NOTES

1. SEE HEATING WATER PIPING DIAGRAM ON M601 FOR DETAILS ON PIPE CONNECTIONS IN THE MECHANICAL ROOM.
2. SEE VENTILATION DIAGRAM ON M811 FOR DETAILS ON DUCT MODIFICATIONS IN THE FAN ROOM

SHEET KEYNOTES

- 1 LOW TEMPERATURE HEATING WATER PUMPS PMP-4A/4B TO FEED NEW HYDRONIC PIPING IN DETOX CLINIC.
- 2 INSTALL AAVS AT HIGHPOINT. ROUTE DRAINS TO FLOOR SINK.



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



907 Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
 CBJ Project #BE19-173
 Juneau, Alaska

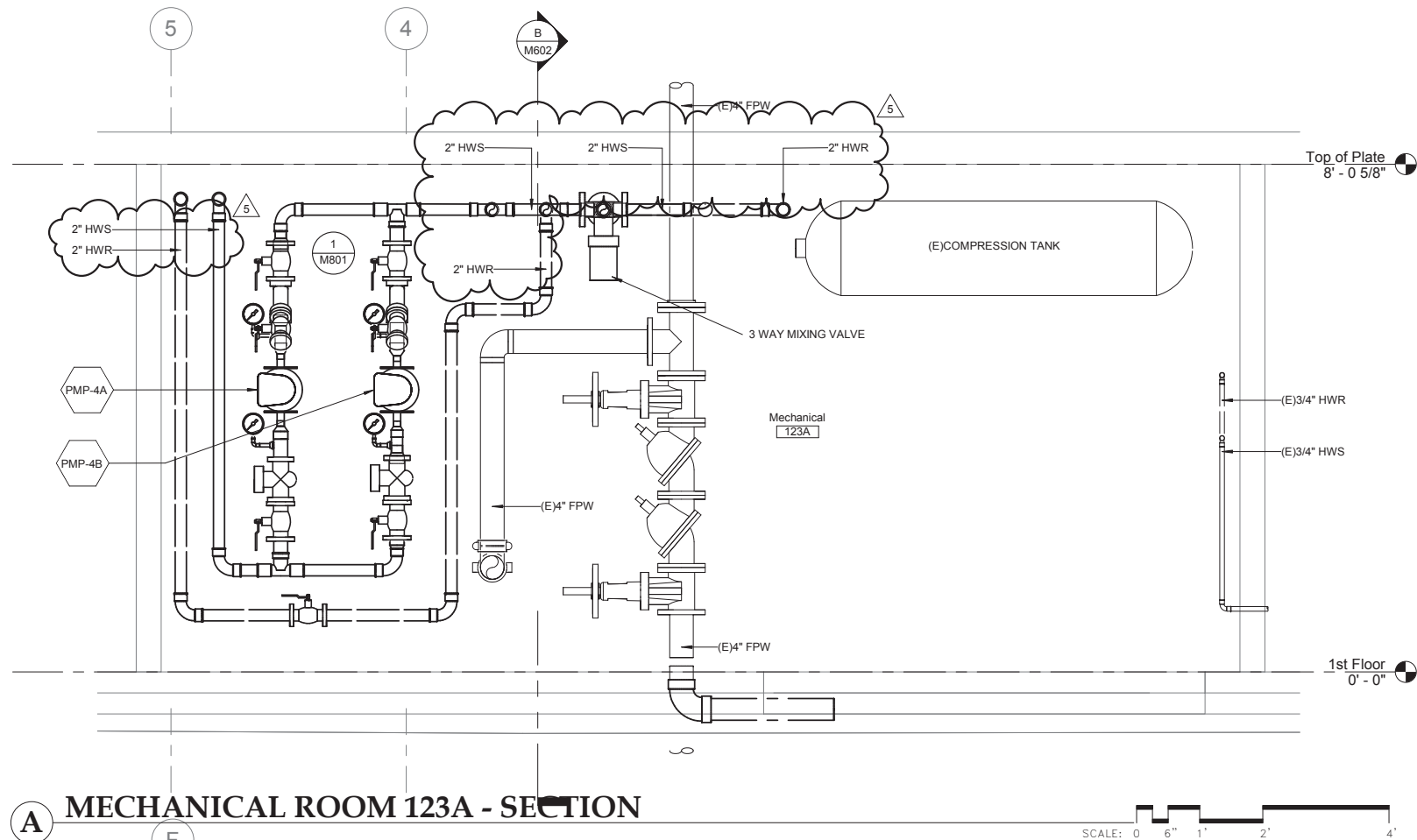
100% CDs	
REVISIONS	
5	LOUVER & HEATING WATER PIPE SIZING

SHEET TITLE
**LARGE SCALE
MECHANICAL &
FAN ROOMS**

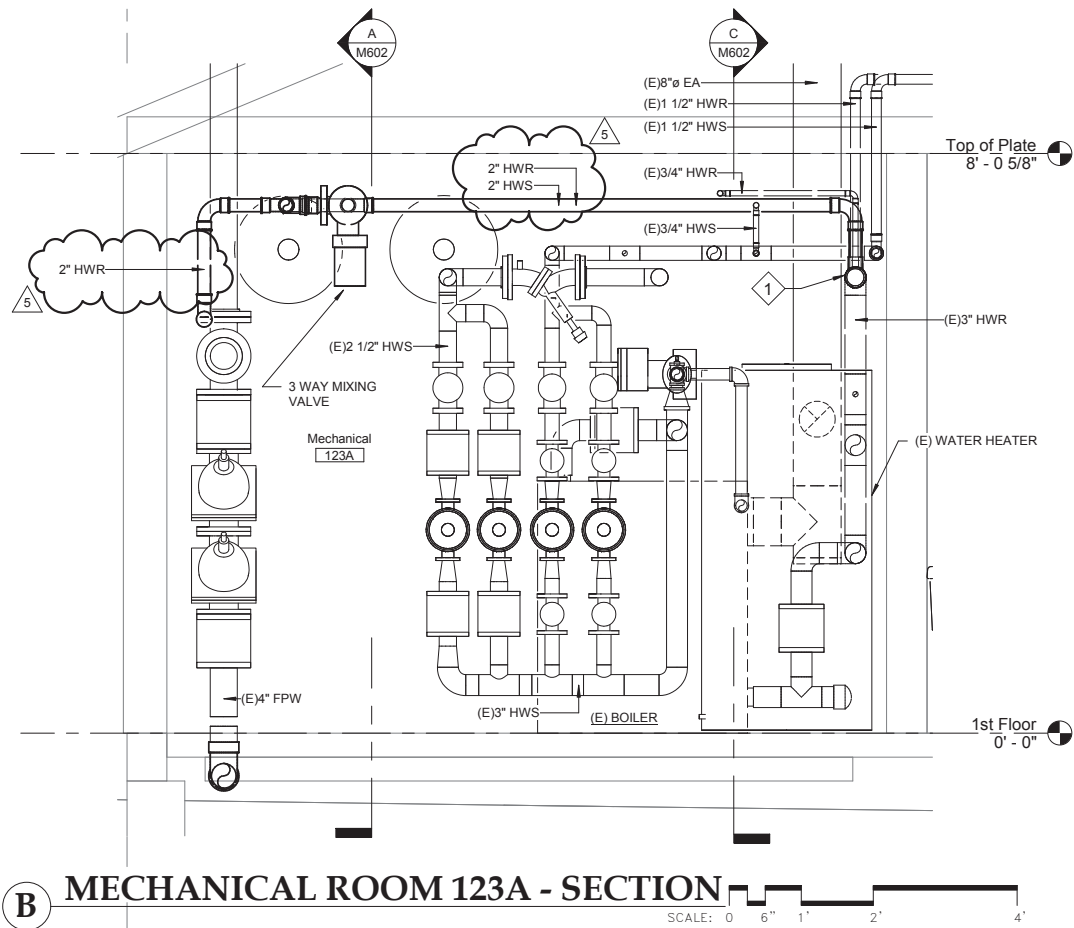
DATE: APRIL 24, 2019
FILE: 18002

M601

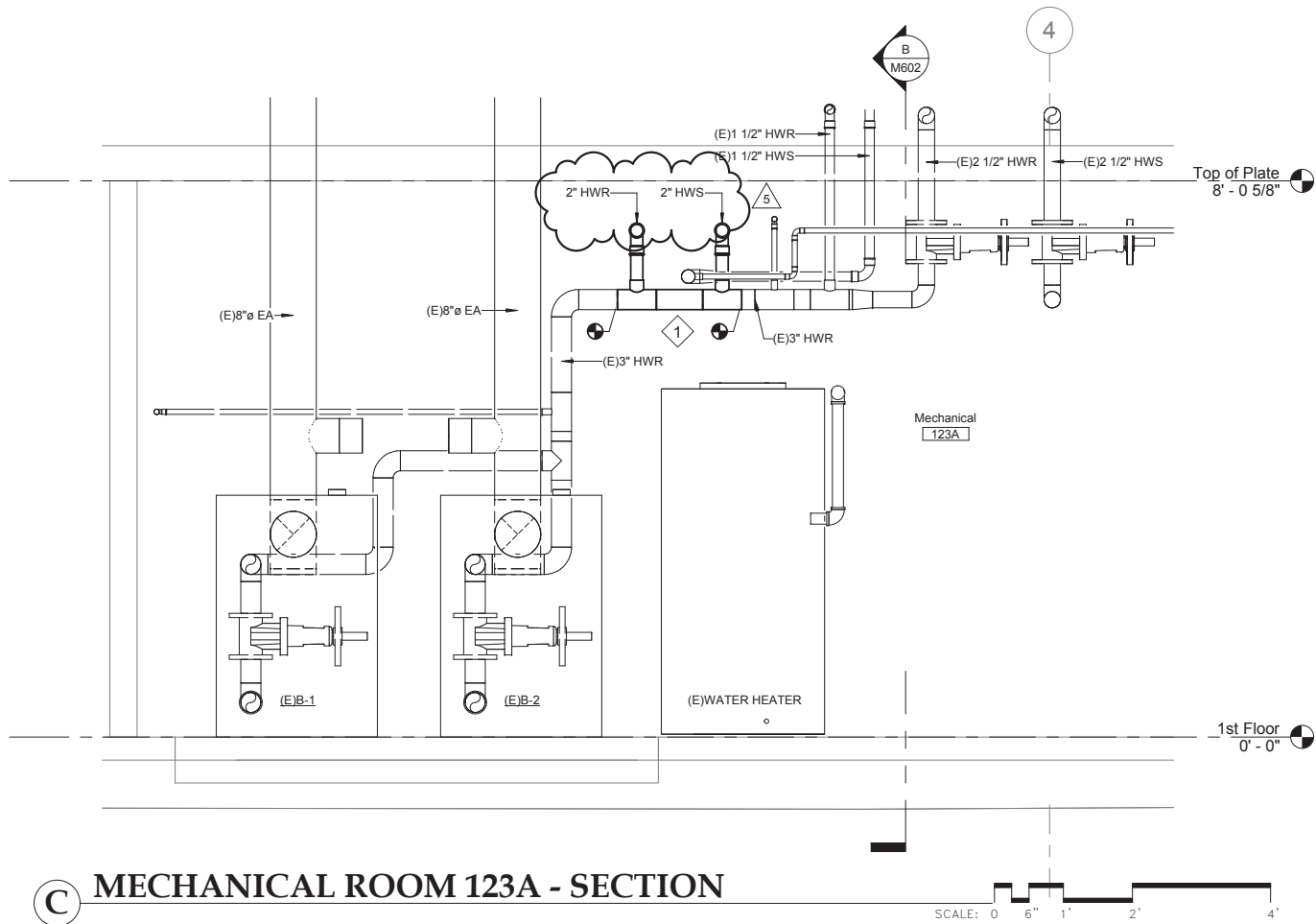
4/24/2019 11:37:11 AM C:\Users\jessewight\crask\Documents\PDC-MECH-18047.M_Jessewight-crask.rvt



A MECHANICAL ROOM 123A - SECTION



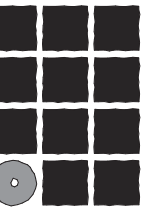
B MECHANICAL ROOM 123A - SECTION



C MECHANICAL ROOM 123A - SECTION

SHEET KEYNOTES

- 1 INTERCEPT THE HEATING WATER RETURN MAIN.



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



PLAN • DESIGN • CONSTRUCT

907 Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
CBJ Project #BE19-173
Juneau, Alaska

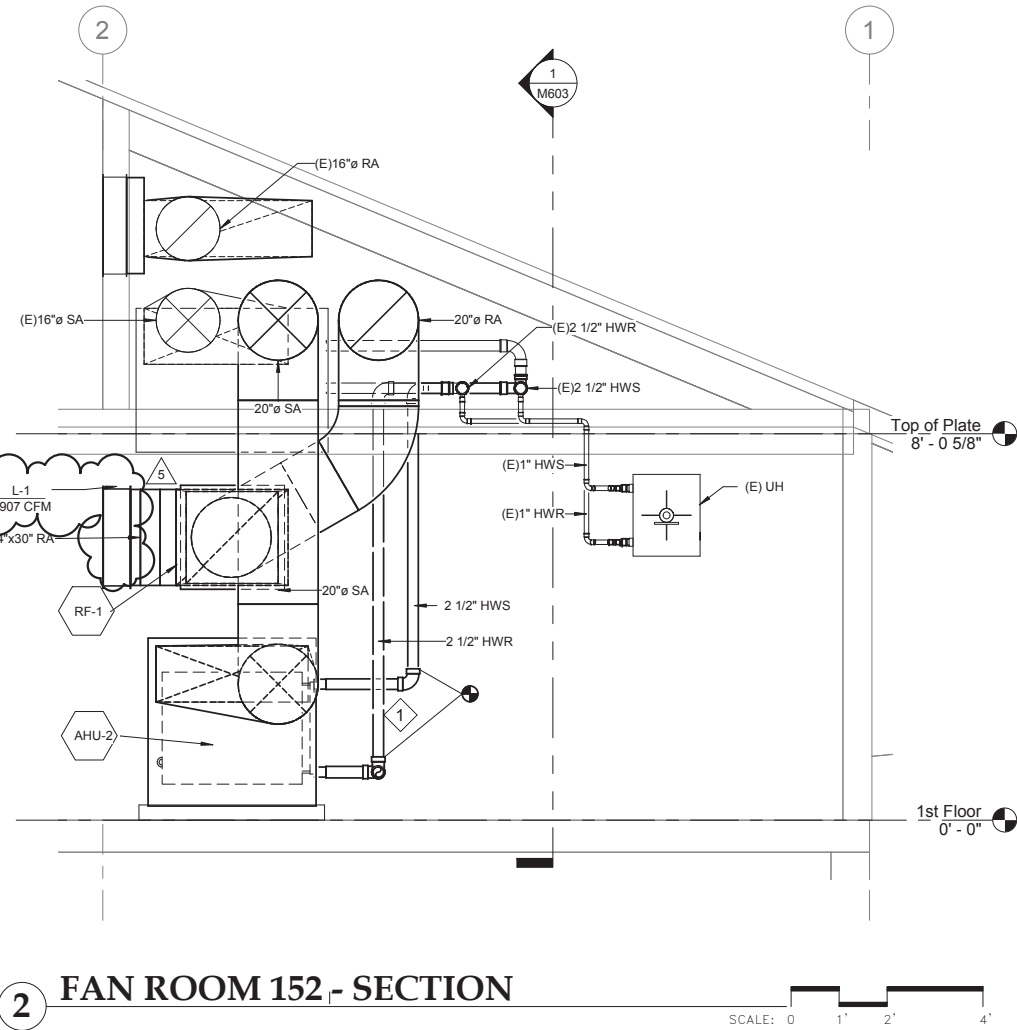
100% CDs

REVISIONS
5 LOUVER &
HEATING WATER
PIPE SIZING

SHEET TITLE
**MECHANICAL
ROOM 123 A
SECTIONS**

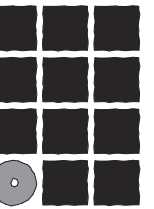
DATE: APRIL 24, 2019
FILE: 18002

M602



FAN ROOM 152- SECTION

1 CONNECT (E)HWS/HWR BRANCH LINES AHU-2 HEATING WATER COIL.



**Jensen
Yorba
Lott
Inc.**

22 West 10th Street
 Seward, Alaska 99801
 Phone 907-586-1070
 Fax 907-586-3959
sensenyorbalott.com



AN • DESIGN • CONSTRUCTION
Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

Rainforest Recovery Center
Detox Addition
CBJ Project #BE19-173
Juneau, Alaska

0% CDs

VISIONS

- △ LOUVER &
HEATING WATER
PIPE SIZING

EET TITLE

PLAN ROOM 153

CTIONS

TE: APRIL 24, 2019
E: 18002

M603

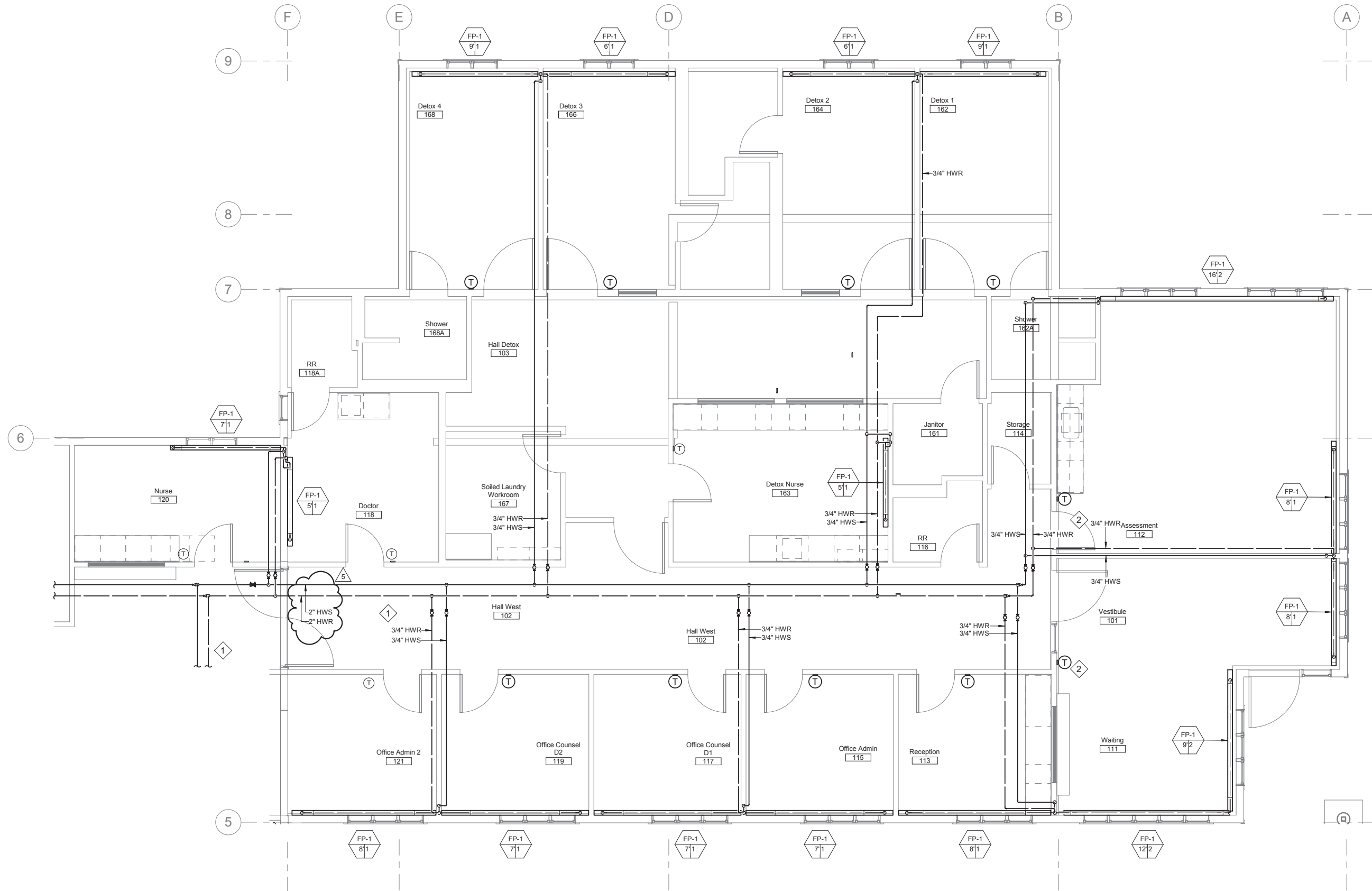
4/24/2019 11:37:15 AM C:\Users\jessewight\crash\Documents\PDC-MECH-18047.M_Jessewightcrash.rvt

SHEET NOTES

1. HYDRONIC HEATING PIPE TO BE INSTALLED UNDERNEATH CEILING MOUNTED INSULATION TO PREVENT FREEZING.

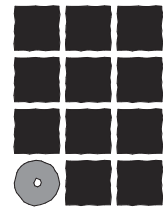
SHEET KEYNOTES

- 1 SLOPE HEATING WATER PIPING SYSTEM TO AAV UNITS IN THIS LOCATION.
- 2 THERMOSTAT TO CONTROL TWO AUTOMATIC VALVES.



1 LARGE SCALE - DETOX AREA - HEATING

SCALE: 0 2' 4' 8'



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



907 Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
CBJ Project #BE19-173
Juneau, Alaska

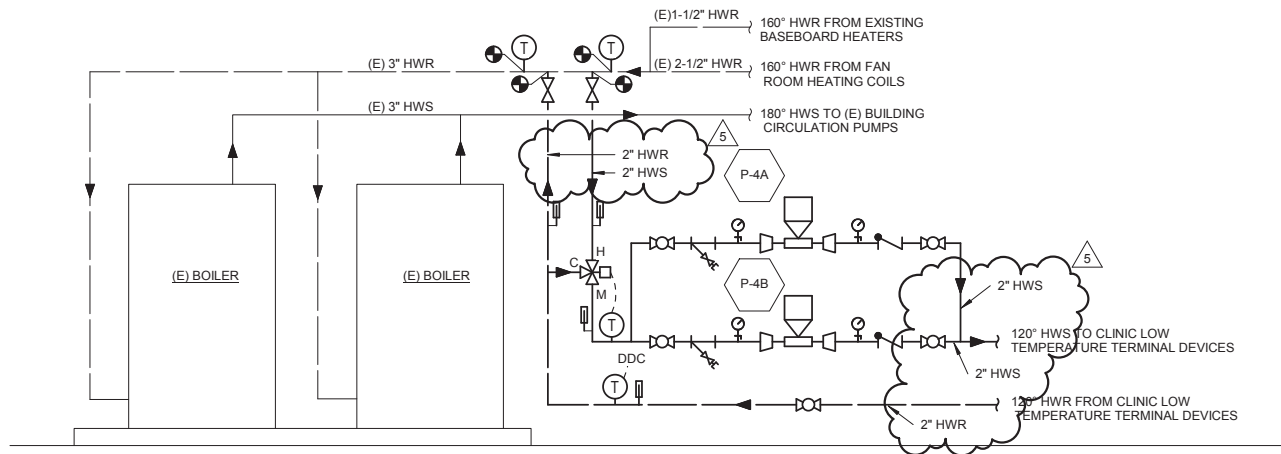
100% CDs

REVISIONS
5 LOUVER &
HEATING WATER
PIPE SIZING

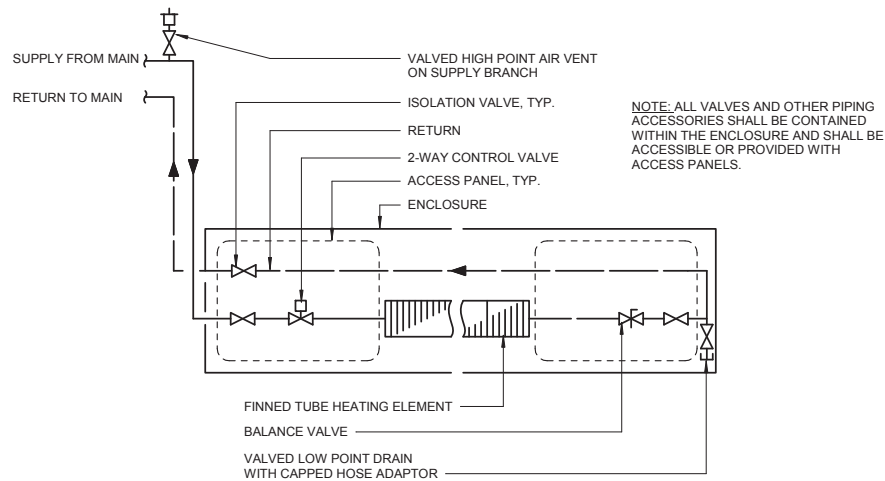
SHEET TITLE
**LARGE SCALE -
DETOX AREA -
HEATING**

DATE: APRIL 24, 2019
FILE: 18002

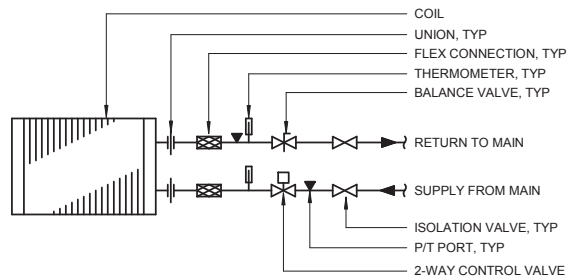
M702



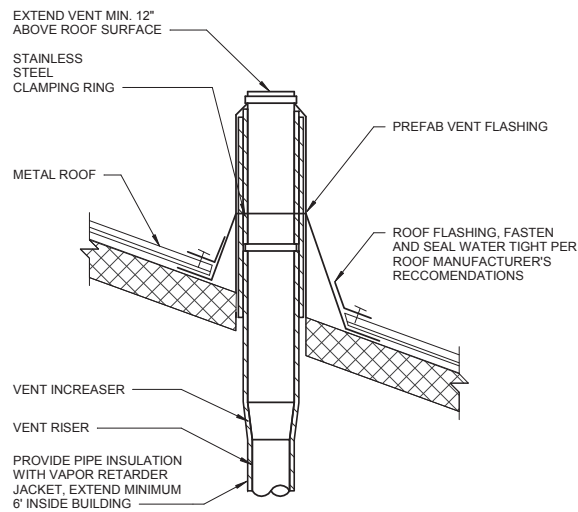
1 TEMPERED HEATING WATER DIAGRAM



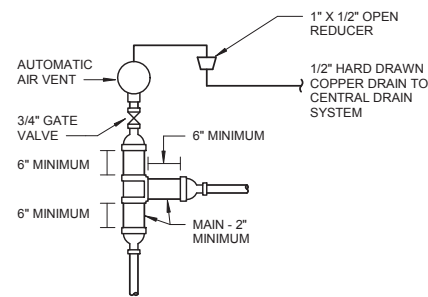
2 FINNED TUBE DETAIL



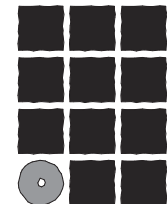
3 HEATING COIL PIPING DETAIL



4 VENT THROUGH ROOF DETAIL



5 AUTO AIR VENT DETAIL



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
jensenyorbalott.com



PLAN • DESIGN • CONSTRUCT

907 Capitol Avenue, Juneau, Alaska 99801
907.780.6151 | AECC605

City and Borough of Juneau Bartlett Regional Hospital
Rainforest Recovery Center
Detox Addition
CBJ Project #BE19-173
Juneau, Alaska

100% CDs

REVISIONS
5 LOUVER & HEATING WATER PIPE SIZING

SHEET TITLE
HEATING DETAILS AND DIAGRAMS

DATE: APRIL 24, 2019
FILE: 18002

M801