

RESOLUTION NO. 4671

A RESOLUTION APPROVING CHANGE ORDER #007 WITH JACKSON CONTRACTOR GROUP, INC. RELATED TO THE MILES CITY FIRE HALL CONSTRUCTION PROJECT.

WHEREAS, the City of Miles City has engaged Jackson Contractor Group, Inc., to construct the new MCFR Fire Hall building;

AND WHEREAS, changes to the construction plans and documents have been recommended, and are hereby presented to Council for approval in the form of Change Order #007;

NOW THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF MILES CITY, MONTANA AS FOLLOWS:

1. Change Order #007, described in detail and attached hereto as Exhibit "A," is hereby approved and adopted by this Council.
2. The Mayor shall have the authority to execute the same, and to bind the City thereto.

SAID RESOLUTION FINALLY PASSED AND ADOPTED BY A DULY CONSTITUTED QUORUM OF THE CITY COUNCIL OF THE CITY OF MILES CITY, MONTANA, AT A REGULAR MEETING THIS 24th DAY OF FEBRUARY, 2026.

C.A. Grenz, Mayor

ATTEST:

Mary Rowe, City Clerk



PCCO #007

Miles City Office
 PO Box 1298
 Miles City, Montana 59301
 Phone: (406) 234-5565
 Fax: (406) 234-5566

Project: 02202405 - Miles City Fire & Ambulance
 2800 Main Street
 Miles City, Montana 59301
 Phone: 509-993-4010

Prime Contract Change Order #007: Change Order 07

TO:	City of Miles City PO Box 910 Miles City, Montana 59301	FROM:	Jackson Contractor Group, Inc. PO Box 967 Missoula Montana 59806
DATE CREATED:	2/ 17 /2026	CREATED BY:	Amy Lesh (Jackson Contractor Group, Inc.)
CONTRACT STATUS:	Pending - In Review	REVISION:	0
DESIGNATED REVIEWER:	Amy Lesh (Jackson Contractor Group, Inc.)	REVIEWED BY:	
DUE DATE:	02/27 /2026	REVIEW DATE:	
INVOICED DATE:		PAID DATE:	
SCHEDULE IMPACT:		EXECUTED:	No
CONTRACT FOR:	02202405-00:Miles City Fire and Rescue	TOTAL AMOUNT:	\$ 0.00

DESCRIPTION:
 This change is for PCOs 19, 20 & 21.

All backup is included in the following documents.

ATTACHMENTS:

This proposal is based on the usual cost elements such as labor, material, and normal mark ups, and does not include any amount for changes in the sequence or work delays, disruption, rescheduling, extended overhead, acceleration and or impacts, and the right is expressly reserved to make claim for any and all of these related items of cost prior to any final settlement of the contract.

POTENTIAL CHANGE ORDERS IN THIS CHANGE ORDER:

PCO #	Title	Schedule Impact	Amount
019	Additional Plumbing Items		0.00
020	Compressor Trailer Outlet		0.00
021	Exhaust Fan Changes		0.00
TOTAL:			\$0.00

CHANGE ORDER LINE ITEMS:

PCO # 019 : Additional Plumbing Items

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	22-0001 - 2.22A OLSEN P&H	Hose Bib	Subcontract	\$ 2,162.00
2	N/A	22-0001 - 2.22A OLSEN P&H	Fill Station Tee/Valve	Subcontract	\$ 647.00
3	N/A	22-0001 - 2.22A OLSEN P&H	Gas Stub Out	Subcontract	\$ 619.00
4	N/A	01-2116 - CONTINGENCY	Contingency	Unallocated	(\$3,428.00)
Subtotal:					\$0.00
GL Insurance: 0.85% Applies to All Line Items					0.00
Builders Risk Insurance: 0.50% Applies to All Line Items					0.00
Procure: = 0.19% Applies to All Line Items					0.00
P&P Bond: 0.64% Applies to All Line Items					(0.00)
Fee: 0.00% Applies to All Line Items					0.00
MGRT: 1.00% Applies to All Line Items					0.00
Grand Total:					\$0.00



PCO # 020 : Compressor Trailer Outlet

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	26-0001 - 2.26A MC ELECTRIC	Air Compressor Trailer Outlet/Power	Subcontract	\$ 965.00
2	N/A	01-2116 - CONTINGENCY	Contingency	Unallocated	(\$965.00)
Subtotal:					\$0.00
GL Insurance: 0.85% Applies to All Line Items					0.00
Builders Risk Insurance: 0.50% Applies to All Line Items					0.00
Procure: ≈ 0.19% Applies to All Line Items					0.00
P&P Bond: 0.64% Applies to All Line Items					0.00
Fee: 0.00% Applies to All Line Items					0.00
MGRT: 1.00% Applies to All Line Items					0.00
Grand Total:					\$0.00

PCO # 021 : Exhaust Fan Changes

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	23-0001 - 2.23A EMPIRE		Subcontract	\$ 6,143.00
2	N/A	26-0001 - 2.26A MC ELECTRIC		Subcontract	\$ 2,100.00
3	N/A	01-2116 - CONTINGENCY		Unallocated	(\$8,243.00)
Subtotal:					\$0.00
GL Insurance: 0.85% Applies to All Line Items					0.00
Builders Risk Insurance: 0.50% Applies to All Line Items					0.00
Procure: ≈ 0.19% Applies to All Line Items					0.00
P&P Bond: 0.64% Applies to All Line Items					0.00
Fee: 5.00% Applies to All Line Items					0.00
MGRT: 1.00% Applies to All Line Items					0.00
Grand Total:					\$0.00

The original (Contract Sum)	\$ 4,753,879.00
Net change by previously authorized Change Orders	\$ 4,561.75
The contract sum prior to this Change Order was	\$ 4,758,440.75
The contract sum would be changed by this Change Order in the amount of	\$ 0.00
The new contract sum including this Change Order will be	\$ 4,758,440.75
The contract time will not be changed by this Change Order	

Terry Sukut (JGA Architects)
3395 Gabel Road, Suite 100
Billings Montana 59102

City of Miles City
PO Box 910
Miles City Montana 59301

Jackson Contractor Group, Inc.
PO Box 967
Missoula Montana 59806

Amy Leek

2/19/2026

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE



PCO #019

Miles City Office
 PO Box 1298
 Miles City, Montana 59301
 Phone: (406) 234-5565
 Fax: (406) 234-5566

Project: 02202405 - Miles City Fire & Ambulance
 2800 Main Street
 Miles City, Montana 59301
 Phone: 509-993-4010

Prime Contract Potential Change Order #019: Additional Plumbing Items

TO:	City of Miles City PO Box 910 Miles City Montana, 59301	FROM:	Jackson Contractor Group, Inc. PO Box 967 Missoula Montana, 59806
PCO NUMBER/REVISION:	019 / 0	CONTRACT:	02202405-00 - Miles City Fire and Rescue
REQUEST RECEIVED FROM:		CREATED BY:	Amy Lesh (Jackson Contractor Group, Inc.)
STATUS:	Pending - In Review	CREATED DATE:	2/17 /2026
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
		TOTAL AMOUNT:	\$0.00

POTENTIAL CHANGE ORDER TITLE: Additional Plumbing Items

CHANGE REASON: Owner Change

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
Additional Plumbing Items

This change order is for the additional plumbing items requested by the owner during onsite OAC meetings. It includes the stub out for the gas valve for a grill, the valve for future overhead plumbing in the apparatus bays, and the exterior hose bib.

This proposal is based on the usual cost elements such as labor, material, and normal mark ups, and does not include any amount for changes in the sequence or work delays, disruption, rescheduling, extended overhead, acceleration and or impacts, and the right is expressly reserved to make claim for any and all of these related items of cost prior to any final settlement of the contract.

ATTACHMENTS:

Miles City Additional Water Stub 2026.docx Miles City Addition of Barbecue Gas line 2026.docx Miles City Addition of Hose Bib 2026.docx

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	22-0001 - 2.22A OLSEN P&H	Hose Bib	Subcontract	\$ 2,162.00
2	N/A	22-0001 - 2.22A OLSEN P&H	Fill Station Tee/Valve	Subcontract	\$ 647.00
3	N/A	22-0001 - 2.22A OLSEN P&H	Gas Stub Out	Subcontract	\$ 619.00
4	N/A	01-2116 - CONTINGENCY	Contingency	Unallocated	(\$3,428.00)
Subtotal:					\$0.00
GL Insurance: 0.85% Applies to All Line Items					\$ 0.00
Builders Risk Insurance: 0.50% Applies to All Line Items					\$ 0.00
Procure: ≈ 0.19% Applies to All Line Items					\$ 0.00
P&P Bond: 0.64% Applies to All Line Items					(\$0.00)
Fee: 0.00% Applies to All Line Items					\$ 0.00
MGRT: 1.00% Applies to All Line Items					\$ 0.00
Grand Total:					\$0.00



Terry Sukut (JGA Architects)
3395 Gabel Road, Suite 100
Billings Montana 59102

City of Miles City
PO Box 910
Miles City Montana 59301

Jackson Contractor Group, Inc.
PO Box 967
Missoula Montana 59806

Amy Leeb 2/17/2026

SIGNATURE DATE

SIGNATURE DATE

SIGNATURE DATE

Olson Plumbing & Heating
PO Box 375 / 600 34th Ave NW
Sidney, MT 59270-0375
406-482-4027 / 406-482-4034 (F)

Date: 16/Feb/202

To: Amy Lesh
Jackson Group

From: Mitch Olson

Subject: Miles City Fire / Rescue Bldg / Miles City, MT

Amy,

The following is what I am quoting for adding exterior hose bib at the Miles City Fire-Rescue Bldg / Mile City, MT:

- Woodford 67C X 14" hose bib
- Additional water line
- Isolation valve
- Hangers and supports
- Piping insulation

Total for changes: \$2,162.00

Let me know if you have questions.

Thank you,

A handwritten signature in black ink, appearing to read "Mitch Olson". The signature is stylized with a large, sweeping initial "M" and "O".

Olson Plumbing & Heating
PO Box 375 / 600 34th Ave NW
Sidney, MT 59270-0375
406-482-4027 / 406-482-4034 (F)

Date: 17/Feb/202

To: Amy Lesh
Jackson Group

From: Mitch Olson

Subject: Miles City Fire / Rescue Bldg / Miles City, MT

Amy,

The following is what I am quoting for additional gas line for barbecue at the Miles City Fire-Rescue Bldg / Mile City, MT:

- Black iron pipe
- Fittings
- Appliance Connector
- Labor
- Hangers and supports

Total for additional gas line: \$619.00

Let me know if you have questions.

Thank you,

A handwritten signature in black ink, appearing to read "Mitch Olson", is written below the text "Thank you,".

Olson Plumbing & Heating
PO Box 375 / 600 34th Ave NW
Sidney, MT 59270-0375
406-482-4027 / 406-482-4034 (F)

Date: 17/Feb/202

To: Amy Lesh
Jackson Group

From: Mitch Olson

Subject: Miles City Fire / Rescue Bldg / Miles City, MT

Amy,

The following is what I am quoting for adding water line stub at the Miles City Fire-Rescue Bldg / Mile City, MT:

- 2" ball valve
- 2" fittings
- Insulation
- Labor
- Hangers and supports

Total for additional gas line: \$647.00

Let me know if you have questions.
Thank you,

A handwritten signature in black ink, appearing to read "Mitch Olson". The signature is stylized with a large, sweeping initial "M" and "O".



PCO #020

Miles City Office
 PO Box 1298
 Miles City, Montana 59301
 Phone: (406) 234-5565
 Fax: (406) 234-5566

Project: 02202405 - Miles City Fire & Ambulance
 2800 Main Street
 Miles City, Montana 59301
 Phone: 509-993-4010

Prime Contract Potential Change Order #020: Compressor Trailer Outlet

TO:	City of Miles City PO Box 910 Miles City Montana, 59301	FROM:	Jackson Contractor Group, Inc. PO Box 967 Missoula Montana, 59806
PCO NUMBER/REVISION:	020 / 0	CONTRACT:	02202405-00 - Miles City Fire and Rescue
REQUEST RECEIVED FROM:		CREATED BY:	Amy Lesh (Jackson Contractor Group, Inc.)
STATUS:	Pending - In Review	CREATED DATE:	2/17 /2026
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
		TOTAL AMOUNT:	\$0.00

POTENTIAL CHANGE ORDER TITLE: Compressor Trailer Outlet

CHANGE REASON: Owner Change

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
Compressor Trailer Outlet

This change is to add power for the air compressor trailer per request of the fire department.

This proposal is based on the usual cost elements such as labor, material, and normal mark ups, and does not include any amount for changes in the sequence or work delays, disruption, rescheduling, extended overhead, acceleration and or impacts, and the right is expressly reserved to make claim for any and all of these related items of cost prior to any final settlement of the contract.

ATTACHMENTS:

scba welder_trailer adder.pdf

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	26-0001 - 2.26A MC ELECTRIC	Air Compressor Trailer Outlet/Power	Subcontract	\$ 965.00
2	N/A	01-2116 - CONTINGENCY	Contingency	Unallocated	(\$965.00)
Subtotal:					\$0.00
GL Insurance: 0.85% Applies to All Line Items					\$ 0.00
Builders Risk Insurance: 0.50% Applies to All Line Items					\$ 0.00
Procure: ≈ 0.19% Applies to All Line Items					\$ 0.00
P&P Bond: 0.64% Applies to All Line Items					\$ 0.00
Fee: 0.00% Applies to All Line Items					\$ 0.00
MGRT: 1.00% Applies to All Line Items					\$ 0.00
Grand Total:					\$0.00



PCO #020

Terry Sukut (JGA Architects)
3395 Gabel Road, Suite 100
Billings Montana 59102

City of Miles City
PO Box 910
Miles City Montana 59301

Jackson Contractor Group, Inc.
PO Box 967
Missoula Montana 59806

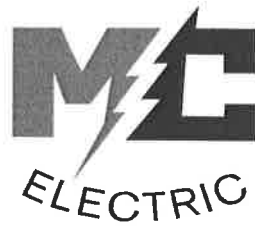
A handwritten signature in cursive script, appearing to read 'Amy Leah'.

2/17/2026

SIGNATURE DATE

SIGNATURE DATE

SIGNATURE DATE



1620 Main St. Miles City, Montana 59301
Eddie Pulecio-406-853-6942
Josh Huber-406-951-1786

February 16th 2026
Subject: MCFR SCBA welder/trailer upgrade
Attn: Amy Lesh

In accordance with your instructions we are pleased to provide you with an estimated price of **\$965.00.00** for the following work.

- Upsizing underground conduit from ¾" to 1" to accommodate added 5th wire
- Adding conduit path from welder outlet to north wall of maintenance room in apparatus bay
- Adding customer provided outlet for compressor trailer
- Changing 2 pole breaker to 3 pole

This change will add 1 day to contract

****ADDITIONAL WORK NOT LISTED IN SCOPE OF WORK WILL BE BILLED AT STANDARD TIME AND MATERIALS RATES**

***** PRICE FOR PROPOSAL ABOVE IS GOOD FOR 15 DAYS**

If you have any further questions, please feel free to contact me.

Eddie Pulecio
MC Electric

If accepted please sign and return

Cell phone 406-853-6942
Office 406-234-VOLT (8658)

mcelectric59301@gmail.com

Signature _____ Date _____



PCO #021

Miles City Office
 PO Box 1298
 Miles City, Montana 59301
 Phone: (406) 234-5565
 Fax: (406) 234-5566

Project: 02202405 - Miles City Fire & Ambulance
 2800 Main Street
 Miles City, Montana 59301
 Phone: 509-993-4010

Prime Contract Potential Change Order #021: Exhaust Fan Changes

TO:	City of Miles City PO Box 910 Miles City Montana, 59301	FROM:	Jackson Contractor Group, Inc. PO Box 967 Missoula Montana, 59806
PCO NUMBER/REVISION:	021 / 0	CONTRACT:	02202405-00 - Miles City Fire and Rescue
REQUEST RECEIVED FROM:		CREATED BY:	Amy Lesh (Jackson Contractor Group, Inc.)
STATUS:	Pending - In Review	CREATED DATE:	2/19 /2026
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	#007 - Change Order 07
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
		TOTAL AMOUNT:	\$0.00

POTENTIAL CHANGE ORDER TITLE: Exhaust Fan Changes

CHANGE REASON: Design Development

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
 Exhaust Fan Changes

This change is to add an exhaust fan & switching to the decontam laundry room and decontam shower room, in order to isolate the public restrooms on to their own exhaust fan. It also includes adding supply drops in to the bunker room and decontam laundry & shower rooms.

This proposal is based on the usual cost elements such as labor, material, and normal mark ups, and does not include any amount for changes in the sequence or work delays, disruption, rescheduling, extended overhead, acceleration and or impacts, and the right is expressly reserved to make claim for any and all of these related items of cost prior to any final settlement of the contract.

ATTACHMENTS:

[MC Electric - Re Miles City Fire Rescue - RFI-21_exhaust fan changes - PRICING REQUEST.pdf](#) [RFI-21_exhaust fan changes.pdf](#)

#	SubJob	Cost Code	Description	Type	Amount
1	N/A	23-0001 - 2.23A EMPIRE		Subcontract	\$ 6,143.00
2	N/A	26-0001 - 2.26A MC ELECTRIC		Subcontract	\$ 2,100.00
3	N/A	01-2116 - CONTINGENCY		Unallocated	(\$8,243.00)
Subtotal:					\$0.00
				GL Insurance: 0.85% Applies to All Line Items	\$ 0.00
				Builders Risk Insurance: 0.50% Applies to All Line Items	\$ 0.00
				Procure: ≈ 0.19% Applies to All Line Items	\$ 0.00
				P&P Bond: 0.64% Applies to All Line Items	\$ 0.00
				Fee: 5.00% Applies to All Line Items	\$ 0.00
				MGRT: 1.00% Applies to All Line Items	\$ 0.00
Grand Total:					\$0.00



Terry Sukut (JGA Architects)
3395 Gabel Road, Suite 100
Billings Montana 59102

City of Miles City
PO Box 910
Miles City Montana 59301

Jackson Contractor Group, Inc.
PO Box 967
Missoula Montana 59806

2/19/2026

SIGNATURE DATE

SIGNATURE DATE

SIGNATURE DATE



February 19, 2026

Jackson Contracting Group

Miles City, MT

RE: Miles City Fire RFI# 21

Dear Jackson Contracting Group,

We are pleased to present the following proposal which includes:

1. Daytime Labor rate Monday-Thursday 7am-5pm
2. 2 Cook Exhaust Fans
3. Terminate exhaust duct through sidewall
4. Spiral pipe and elbows
5. 3 new supply registers in rooms 115, 135, & 136
6. Ductwrap
7. Test and Balance

Total Price: \$6,143.00

Exclude: Electrical, Gas, Condensate, Plumbing, Roofing, High Voltage Controls, Concrete Cutting, Structural Framing and Steel, Asbestos Abatement

Sincerely,

Kurtis King

Project Manager

From: mc electric <mcelectric59301@gmail.com>
Sent: Thursday, February 19, 2026 9:37 AM
To: Amy Lesh
Subject: Re: Miles City Fire Rescue - RFI-21_exhaust fan changes - PRICING REQUEST

The cost for this will be \$2,100.00 and add one day to the project

Thank You
Eddie Pulecio

On Tue, Feb 17, 2026 at 8:58 AM Amy Lesh <amyl@jacksoncontractorgroup.com> wrote:

Kurtis, Kyle, and Eddie,

Please see the attached pricing request for the exhaust fans in the apparatus bay rooms. Could you please send pricing at your earliest convenience? We can not proceed with work until changes are approved by the city council, and I know Empire is beginning work on the mezzanine this week. There is a city council meeting next Tuesday, so if there's any way I could get pricing by mid day Thursday I can get the change order drafted up and it can go on the agenda for next Tuesday's meeting. I have to have it to the city clerk by end of day Thursday to get it on the following week's agenda.

If I can't get it all put together by then we are looking at waiting another two weeks for the next council meeting and potentially having delays.

Anyway, if you're able to, please send pricing as soon as you can to try to avoid delays.

Thanks,

AMY LESH | Project Manager

Jackson Contractor Group, Inc.

Email amyl@jacksoncontractorgroup.com Website www.jacksoncontractorgroup.com



Miles City Office
 PO Box 1298
 Miles City, Montana 59301
 P: (406) 234-5565
 F: (406) 234-5566

Project: 02202405 Miles City Fire & Ambulance
 2800 Main Street
 Miles City, Montana 59301
 P: 509-993-4010

RFI #21: Exhaust Fans & Switching

Status	Closed on 02/19/26		
To	Terry Sukut (JGA Architects) Logan Grimstad (Associated Construction Engineering, Inc.)	From	Amy Lesh (Jackson Contractor Group, Inc.) 15 North 6th Street Miles City, Montana 59301
Date Initiated	Feb 11, 2026	Due Date	Feb 18, 2026
Location		Project Stage	
Cost Impact	Yes (Unknown)	Schedule Impact	Yes (Unknown)
Spec Section		Cost Code	
Drawing Number		Reference	
Linked Drawings			
Received From		Sub Job	
Copies To	Kenneth Stenerson (Jackson Contractor Group, Inc.), Terry Sukut (JGA Architects)		

You are directed to Proceed with this RFI. If the response to this RFI constitutes an increase in time and/or cost to your work, you must notify this office within five (5) calendar days from the date of this RFI response. Should you fail to respond by this date we will consider this a "no cost" change to your contract.

Activity

Question

Question from Amy Lesh Jackson Contractor Group, Inc. on Wednesday, Feb 11, 2026 at 12:41 PM MST

Refer to sheet M2.1 and locate the public restrooms, Toilet 111 and 112. Notice that the exhaust ductwork for these rooms runs to the south and also ties in with Decon. Shower 136 and Laundry 135. Next, refer to sheet M2.2 and notice that all 4 of these rooms are exhausted by Exhaust Fan 01. Please advise where the switch/controls for Exhaust Fan 01 should be located.

Also, at the OAC meeting on 1/29, the concern with pulling air into bunker room from apparatus bays was brought up by the owner. It was discussed in person at the meeting, with Logan of ACE Engineering and Terry of JGA, that a plan to tie in the bunker room to an existing furnace supply would be provided, and ACE would be checking into putting decontam laundry and shower on EF 4. It was also discussed that the public restrooms exhaust fan would be controlled off occ sensors, and isolated from the other rooms.

Please provide updated drawings to reflect these changes. Note that there will be costs associated.

Official Response

Response from Terry Sukut JGA Architects on Wednesday, Feb 18, 2026 at 08:56 AM MST

See Attached

Attachments

RFI-21_exhaust fan changes.pdf

RFI #21

To: Terry Sukut – JGA Architects
 From: Logan Grimstad, John Beardemphl – ACE
 Date: 02/16/2026
 Re: Exhaust Fan Changes
 A.C.E. Job #24BL5917

Please provide pricing and schedule for the following changes to the contract. This is NOT an approval to proceed with the work.

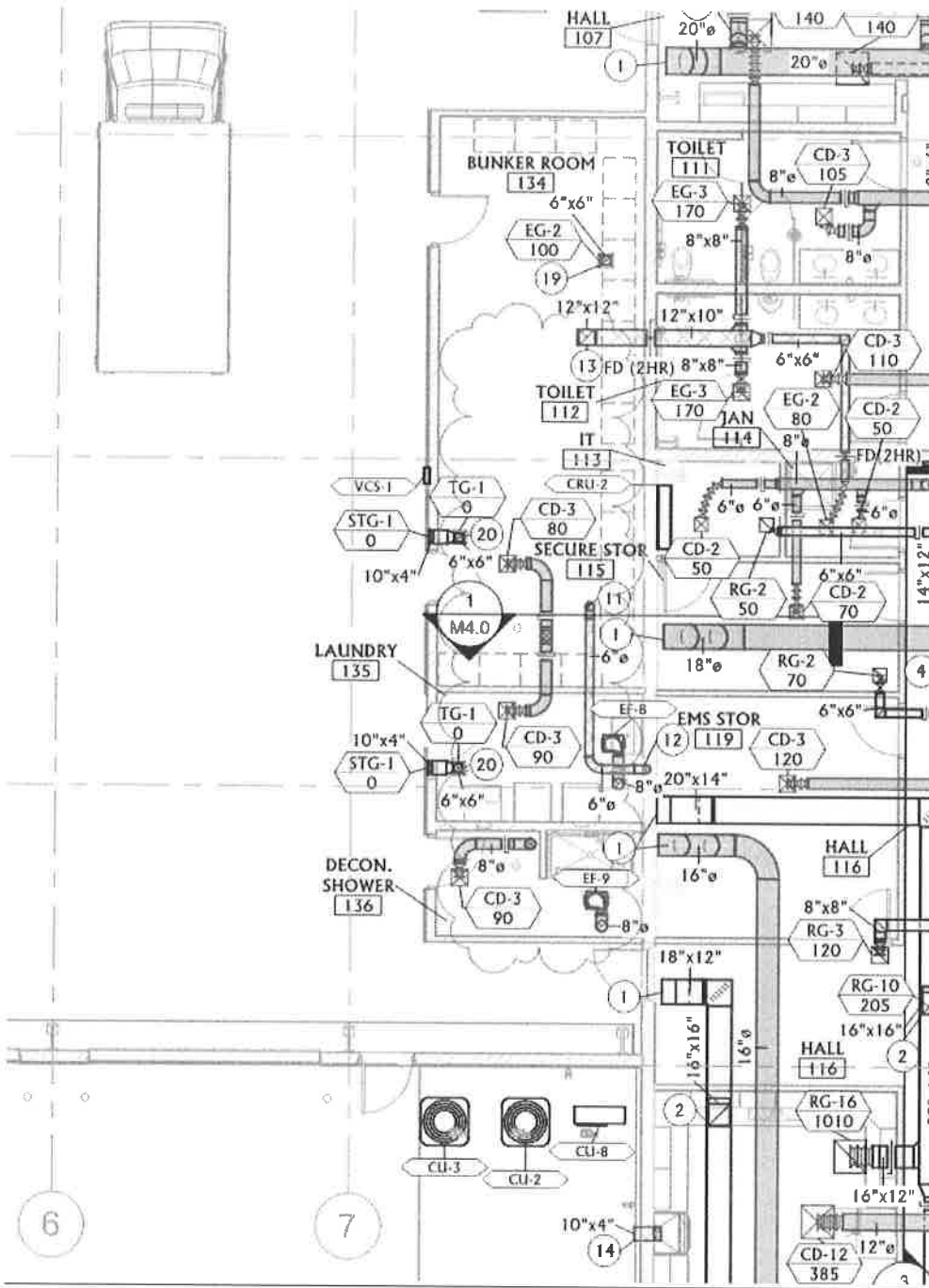
Mechanical:

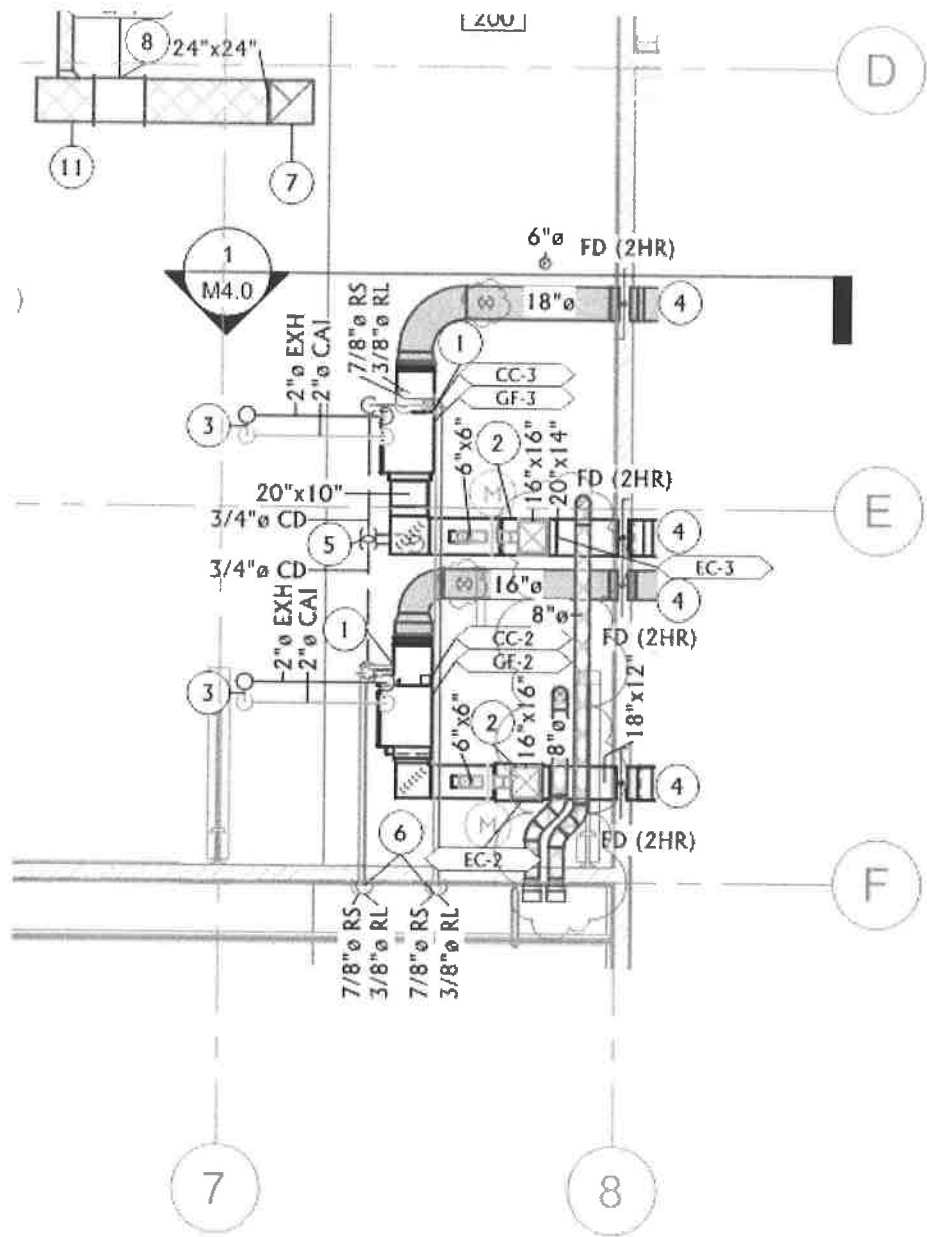
Per owner request, a change is needed to remove Laundry 135 and Decon Shower 136 from EF-1 and to incorporate them into their own exhaust system. See below and attached clips for additional details.

1. Remove Laundry 135 and Decon Shower 136 from their exhaust connections to EF-1. EF-1 should be controlled via occupancy sensors in Toilet 111&112. EF-1 to be balanced to 420cfm.
2. Increase exhaust into Bunker Room 134 by 50 cfm. Balance EF-4 to 750cfm.
3. Install a ceiling exhaust fan in each Laundry 135 and Decon Shower 136. Route corresponding ductwork up from each ceiling fan and over to an exterior termination on the east wall. Both 135 and 136 would have a switch to control their corresponding fan. See clips for proposed locations and routing.
4. The second part of the request was to minimize the amount of makeup air that Bunker Room 134, Laundry 135 and Decon Shower 136 pull from the Apparatus Bay. This will be accomplished by tapping supply off of furnaces GF-2&3 and routing to each space. See attached plans for proposed routing and airflows. For GF-2, the new supply added is +90cfm, which the new furnace should be able to increase its airflow to achieve. However, if needed, reduce the (4) supply diffusers on this system by ~25cfm each. For GF-3, the new supply added is +170cfm, which the new furnace should be able to increase its airflow to achieve. However, if needed, reduce the (3) diffusers in the Kitchen/Living area by 50cfm each and the supply in Bathroom 124 by 30cfm.

EXHAUST FAN SCHEDULE															
PLAN CODE	MANUFACTURER	MODEL NUMBER	CFM	ESP	RPM	DRIVE TYPE	ELECTRICAL DATA			STATIC EFFICIENCY	SONES	WEIGHT	CONTROL NOTES	AREA SERVED	REMARKS
							HP	VOLT	PH						
EF-8	COOK	EC-165	110	0.5"	1,079	DIRECT	1/25	120	1	51%	3.0	30	NOTE 7	135	CEILING FAN W/ SIDEWALL TERMINATION. SEE NOTES 1, 4, 6.
EF-9	COOK	CC-166	110	0.5"	1,079	DIRECT	1/25	120	1	51%	3.0	30	NOTE 7	136	CEILING FAN W/ SIDEWALL TERMINATION. SEE NOTES 1, 4, 6.

NOTES:
 1. CEILING MOUNTED EXHAUST FAN. PROVIDE WITH BACKDRAFT DAMPER, FACTORY MOUNTED DISCONNECT, ROOF JACK/CAP AND BIRDSCREEN. PROVIDE WITH HANGING KIT WITH RUBBER ISOLATORS. SEE DETAIL 51366.1.
 2. INLINE EXHAUST FAN. PROVIDE WITH BACKDRAFT DAMPER, FACTORY DISCONNECT, AND SUSPENDED WITH RUBBER ISOLATORS. SEE DETAIL 11366.0.
 3. FAN TO RUN CONDENSURSELY.
 4. PROVIDE ALL DIRECT DRIVE FANS WITH FACTORY MOUNTED/WRAP SPEED CONTROLLER.
 5. CONTROLLED BY TOXALERT SYSTEM. SEE VENTILATION CONTROL SYSTEM SCHEDULE FOR MORE INFORMATION.
 6. FAN TO BE WIRED TO WALL SWITCH OCCUPANCY SENSOR. BY E.C. SEE ELECTRICAL PLANS FOR DETAILS.
 7. FAN TO BE WIRED TO A WALL SWITCH. BY E.C. SEE ELECTRICAL PLANS FOR DETAILS.





Electrical:

Sheet E3.0 – Electrical Power and Special Systems Plans

1. Add power connection for EF-8 in Laundry 135, circuited to LA-6. Fan controlled by wall switch, mounted adjacent to lighting switch. See clouded drawings.
2. Add power connection for EF-9 in Decon. Shower 136, circuited to LA-8. Fan controlled by wall switch, mounted adjacent to lighting switch. See clouded drawings.

