

April 11, 2025

Addendum No. 02

File Reference Number: RFP 2025 010

Title: Engineering Design Services for North Bay Shops Compressed Air System Upgrades

RE: Clarifications/Questions

Please refer to the following information/clarification:

Item 1: Are contract negotiations available upon award?

Answer: ONTC advises that contract negotiations may be available upon award, however, proponents shall complete and return Proposal Form 4 - Compliance with Contract Documents, as part of their submission.

Item 2: Can the referenced, "Travel, Meal & Hospitality Expenses Directive" be provided?

Answer: See link below, as requested:

<https://www.ontario.ca/page/travel-meal-and-hospitality-expenses-directive>

MANDATORY VIRTUAL SITE MEETING

A mandatory virtual-site meeting was conducted on Wednesday, April 9, 2025 at 10:00 a.m. The PowerPoint presentation has been attached to Addendum No.02 at Appendix "A"

This Addendum hereby forms part of the RFP.

Regards,

Nicole Laplante
Procurement Contracts Specialist
nicole.laplante@ontarionorthland.ca

Appendix “A”



North Bay Shops Compressed Air System Upgrades Virtual Site Meeting

April 9, 2025

Agenda:

1. Introduction.
2. Background information.
3. Site Location Overview.
4. Existing Compressed Air System.
5. Floor Plans review.
6. Studies.
7. Scope of Work Review.
8. Design Criteria.

1- Introduction.

1. ONTC:

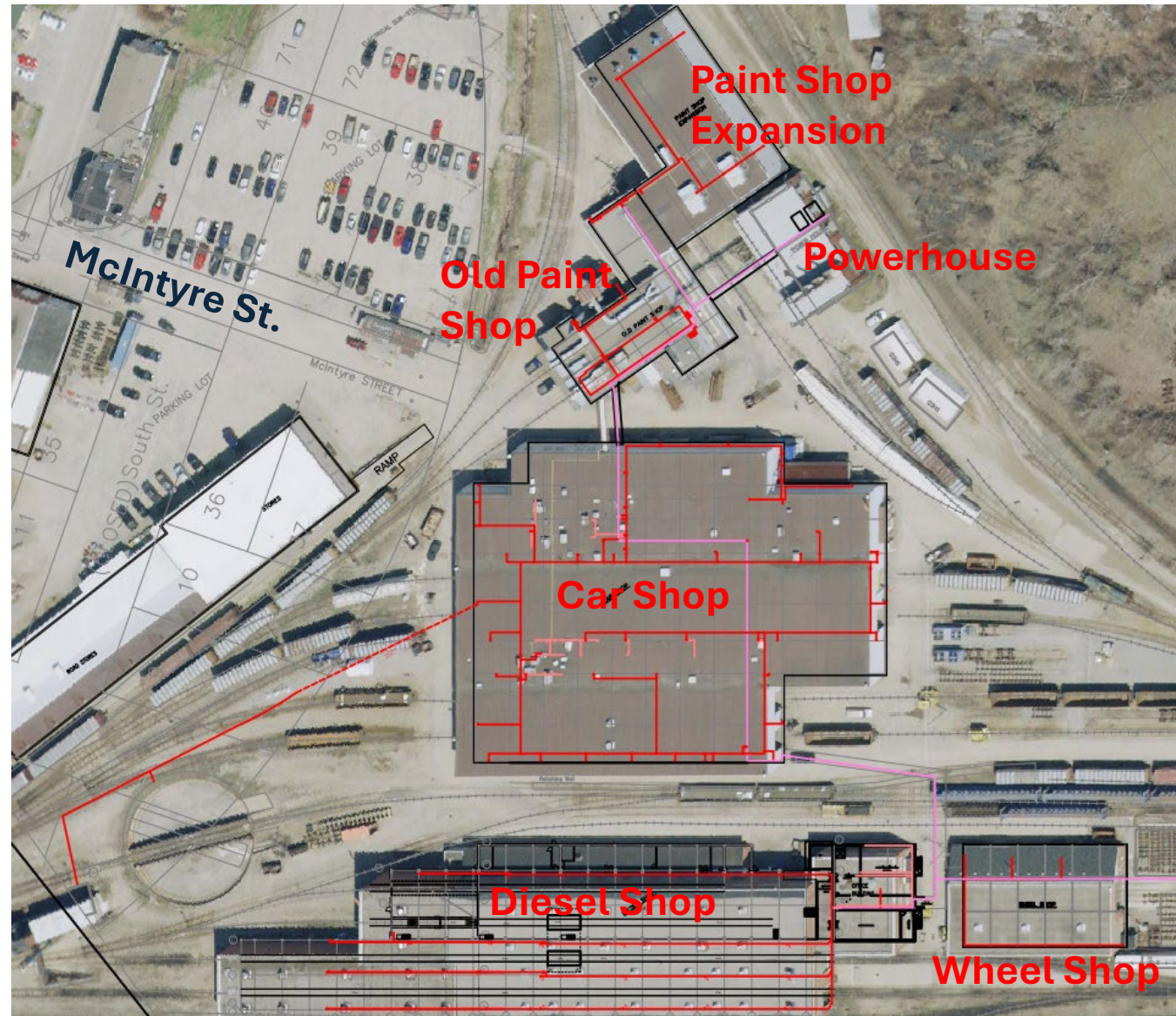
- A. Esmail Zougari – Manager, Capital Project
- B. Nicole Laplante – Procurement Contracts Specialist
- C. Ahmed Saleh – Project Manager Facilities

2- Background Information

Existing North Bay Powerhouse Building is a facility that is part of the North Bay Shops, a complex that is located at 916 McIntyre Street East, North Bay, ON. The Powerhouse building contains the main compressed air system which supplies compressed air to all the shops in the complex. The Powerhouse building needs significant repairs due to its age, in response to this ONTC had decided to decentralize the Compressed Air Plant in the Powerhouse building and provide standalone compressor for each building: Paint Shop, Car Shop, Diesel Shop and Wheel Shop.

3- Site Location

916 McIntyre Street
East, North Bay,
ON



4- Existing Compressed Air System

- Comp. 1 Gardner Denver fixed speed 200 HP (Backup)
- Comp. 2 Gardner Denver VSD 94 HP
- Comp. 3 Gardner Denver VSD 94 HP
- APPL Desiccant Dryer 1200 CFM
- 400 Gallons Air Receiver



Desiccant Dryer



Air Receiver



Compressors

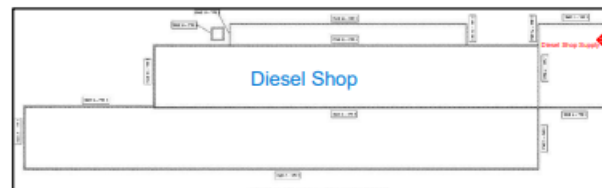
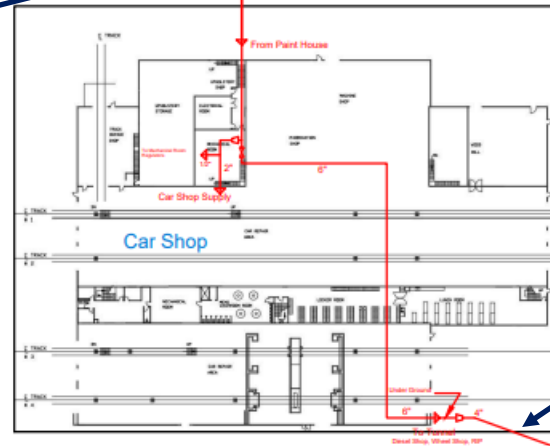
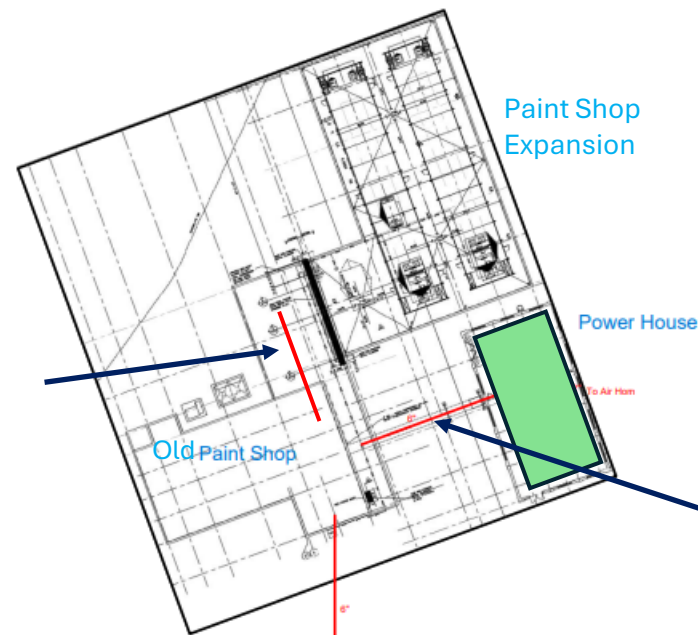
5- Floor Plans

**Supply Pipe to
Paint Shop
Expansion**

**Supply pipe to
Car Shop, Diesel
Shop, Wheel
Shop, RIP Area
and Rail Yard**

**Main Supply Pipe
to Shops**

**Underground
supply pipe to
Diesel Shop,
Wheel Shop and
RIP Area.**



- Please review the floor plan for each building separate as an appendix in the RFP.

Powerhouse



**Main Supply Pipe
to Shops**



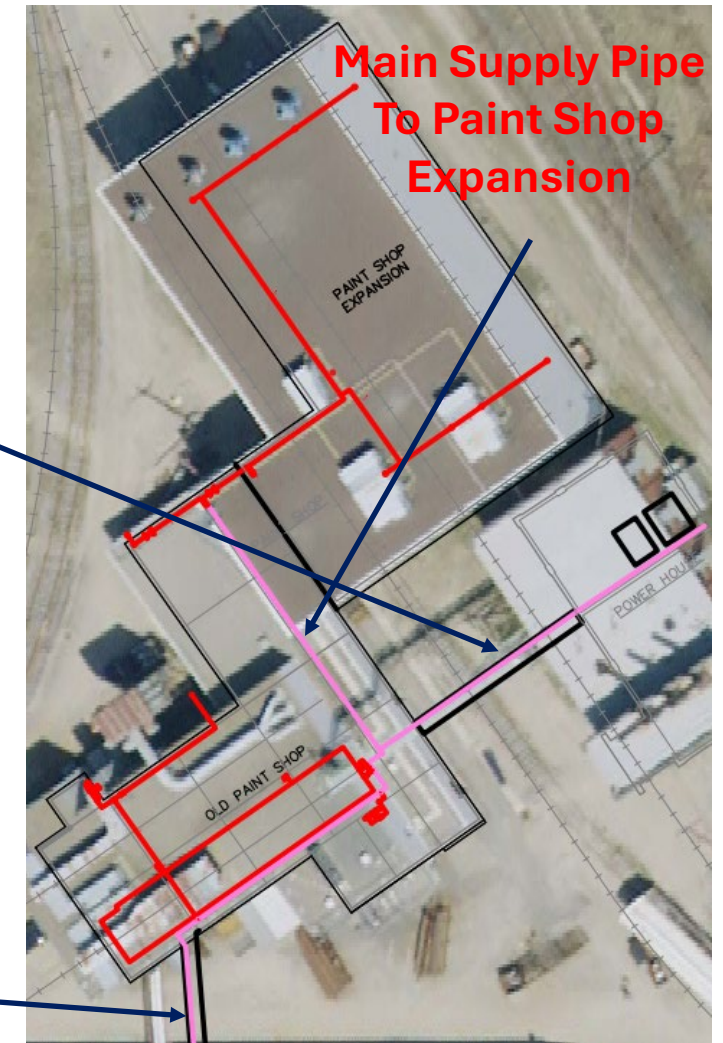
Old Paint Shop



Old Paint Shop



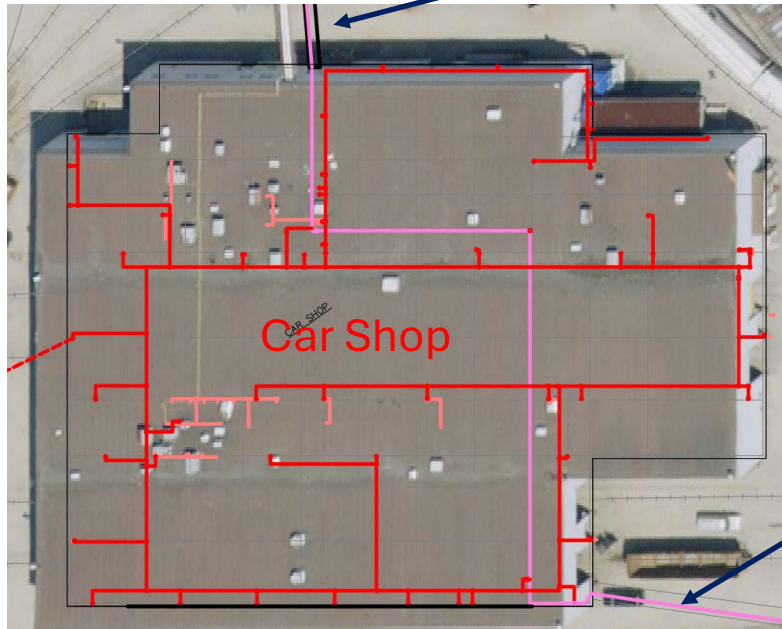
Powerhouse



Paint Shop

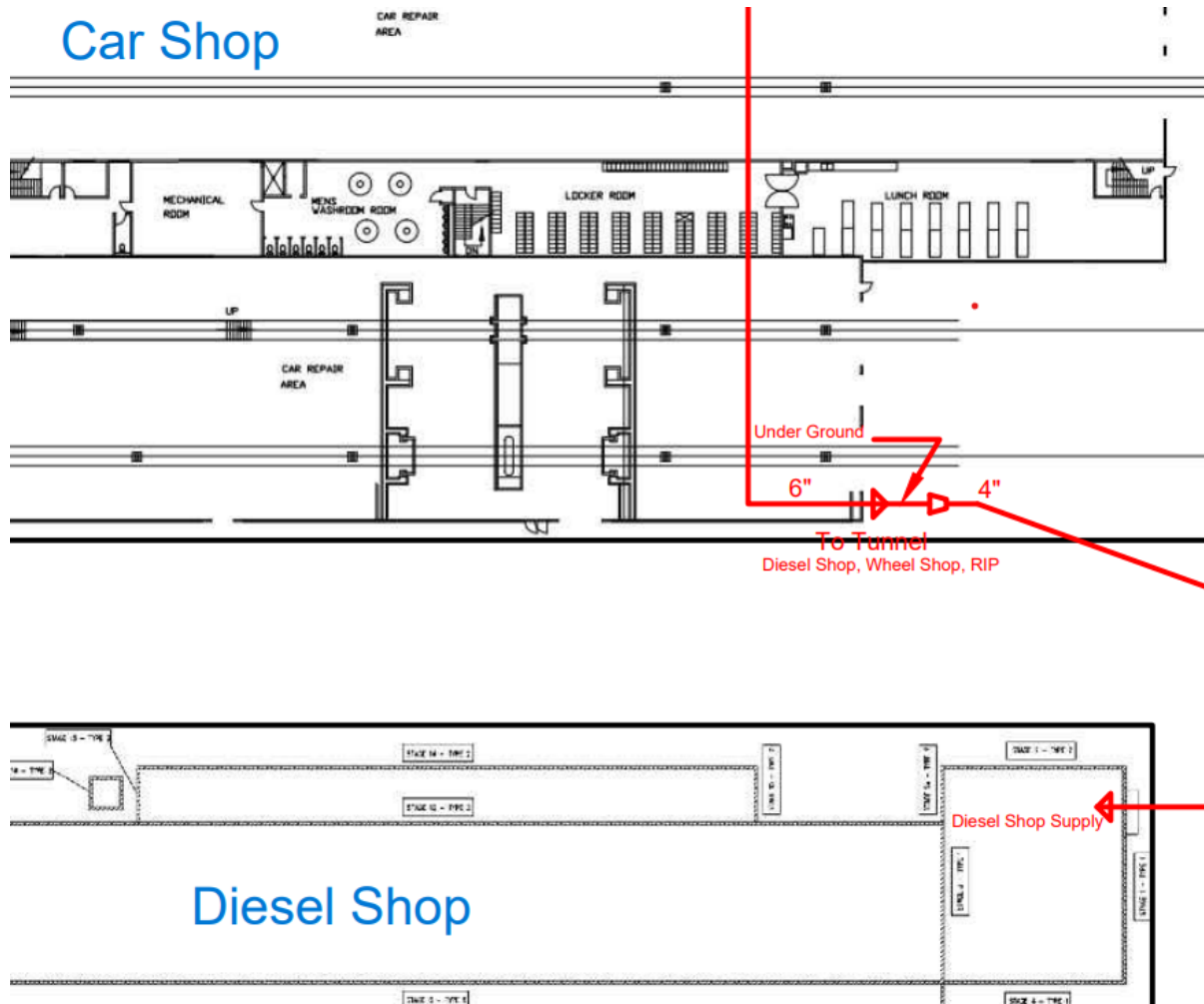
Car Shop

**Supply pipe from
Paint Shop to
Car Shop, Diesel
Shop, Wheel
Shop, RIP Area
and Rail Yard**



**Underground
supply pipe to
Diesel Shop,
Wheel Shop and
RIP Area.**

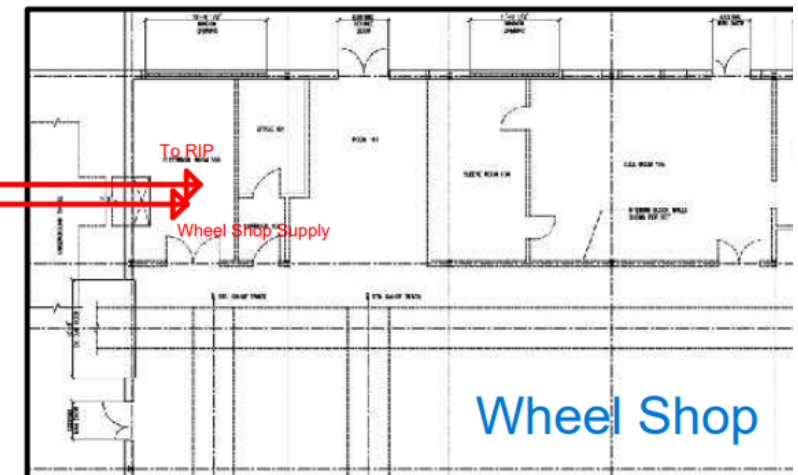
Diesel and Wheel Shops



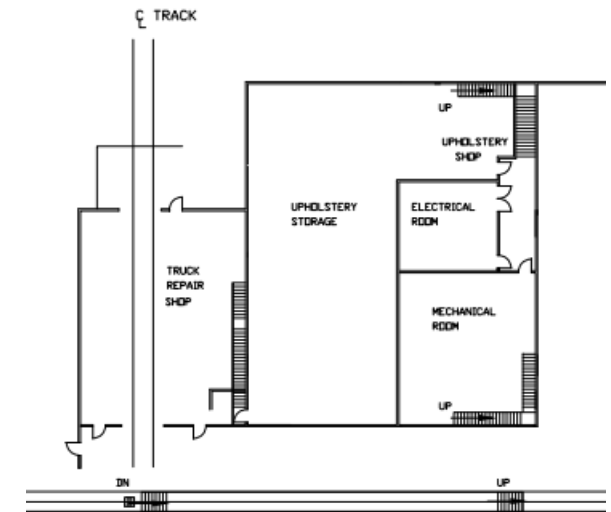
Diesel Shop



Wheel Shop



Potential Locations for New Compressors



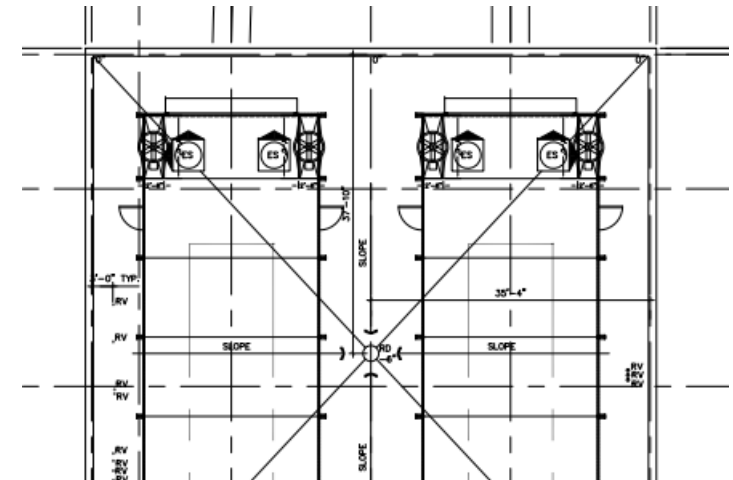
Car Shop

Mentioned in detail in Compressor Science air system report

Potential Locations for New Compressors



Paint Shop

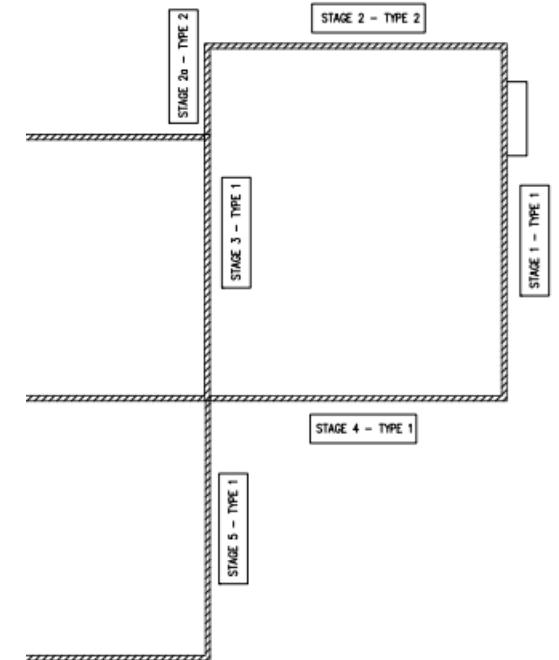


Mentioned in detail in Compressor Science air system report

Potential Locations for New Compressors



Diesel Shop



Mentioned in detail in Compressor Science air system report

6- Studies

- An air audits were completed form Atlas Copco and Compressor Science. (Please review the reports as an appendix in the RFP).
- Atlas Copco report includes measuring the total consumption of compressed air supplied from the powerhouse compressed air plant over a period of 7 days excluding the airhorn which is located on top of the powerhouse building and compressed air is supplied to it by a 2” pipe.
- Compressor Science report includes the compressed air consumption of each building separate over a period of 7 days, air horn consumption assumption and the potential locations for installing the standalone compressors.

7- Scope of Work Review

1. Architectural

- a. Determine best locations where new compressors will be installed in 4 shops.
- b. Provide architectural plans for new compressor locations.

2. Structural

- a. Structural package includes any new supports, concrete pads, hangers, etc.

3. Mechanical

- a. Design new compressed air piping system. (Main piping only, existing disruption network will be used)
- b. Any ventilation system as required.

4. Electrical

- a. Design and specification of the electrical and controls required for each new unit to be installed within each building.
- b. Provide updated single line diagrams.

8- Design Criteria

- Diesel shop and Wheel shop can use a shared compressed air system since they are connected by an underground tunnel.
- Energy efficiency compressors to be considered like VFD compressors.
- Valves to be installed to isolate the systems in case repairs needed.
- Refrigerant dryers can be used if applicable except for the Paint shop. Desiccant dryer should be used in Paint shop since compressed air should be 100% dry.

Questions

Questions shall be submitted via email to Procurement Primary Contact Person and responses will be provide via addendum.

Site visit

Site visit can be arranged at request.

Important dates:

Last day for questions: Four (4) full Business Days prior to the Submission Deadline
RFP Close date: Thursday, April 17th, 2025, at 2:00:00 pm (ET)

Thank you