

ADDENDUM MEC-001

Project: Canadian space agency - air-conditioning of room
2B-203

Description: Modifications of plans and specifications

Project no.: 2020-134-1024

Division: Mechanical

By: Jacob Prince-Clément, CPI

Date: 2022-09-02

1. This addendum forms an integral part of the original plans, specifications and contractual documents. Bidders shall make sure that the cost of this addendum is included in the bid amount.
2. Documents:
 - 2.1 Included documents:
 - 2.1.1 Specifications: section 23 37 13, reissued.
 - 2.1.2 Plans nos.:
 - M04, revision no. 1.
 - M05, revision no. 1.
3. Description of work:

See attached documents.

TABLE OF CONTENTS

PART 1 GENERAL

- 1.1 RELATED REQUIREMENTS
- 1.2 EQUIPMENT TO BE RETURNED
- 1.3 SUBMITTALS
- 1.4 CLOSEOUT SUBMITTALS
- 1.5 DELIVERY, STORAGE AND HANDLING

PART 2 PRODUCT

- 2.1 GENERAL
- 2.2 SUPPLY GRILLES ON CEILINGS
- 2.3 MANUFACTURER LIST
- ① 2.4 RETURN GRILLES ON WALLS ON THE SIDE OF AN EXPOSED DUCT

PART 3 EXECUTION

- 3.1 INSTALLATION



Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 01 00 10 – General instructions.

1.2 EQUIPMENT TO BE RETURNED

- .1 Also provide the following: keys for flow volume control and for air pattern adjustment.

1.3 SUBMITTALS

- .1 Submit documents in accordance with section 01 00 10 – General instructions.
- .2 Product data:
 - .1 Submit manufacturer's printed product literature, specifications, and data sheet for the products. Data sheets must include product characteristics, performance criteria, dimensions, limits and finish.
- .3 Shop drawings:
 - .1 Shop drawings must include the seal and signature of a professional Engineer recognized in Canada, in the province of Québec.
- .4 Certificates:
 - .1 Submit certificates signed by the manufacturer certifying that the products and materials comply with the specified performance and physical requirements.

1.4 CLOSEOUT SUBMITTALS

- .1 Submit all document/elements required, in accordance with section 01 00 10 – General instructions.
- .2 Operation and maintenance data (O&M): provide instructions with respect to the operation and maintenance, to be incorporated into the O&M manual.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Transport, store and handle hazardous materials in accordance with section 01 00 10 – General instructions.
- .2 Shipping and receiving: deliver material to site in the original packaging, which must bear the name and address of the manufacturer.
- .3 Waste management and disposal:
 - .1 Separate waste materials for recycling in accordance with section 01 00 10 – General instructions.
 - .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
 - .3 Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard packaging material for recycling in accordance with the Waste Management Plan.



- .4 Separate steel, metal and plastic materials in designated containers for recycling in accordance with the waste management plan.
- .5 Divert unused metal materials from landfill to metal recycling facility.

Part 2 Product

2.1 GENERAL

- .1 Grilles and diffusers to conform to the dimensions, the diffusion patterns, and the type indicated on the drawings. The dimensions are calculated so as to have sufficient air projection and a low noise level and can not be changed without authorization. When two or more grilles and diffusers are connected to the same unit and do not have integrated balancing dampers, supply and install a balancing damper in a branch. For the diffuser types AL, AN, ANC, AQ, CQA, and AS, see the diffuser connection detail.
- .2 With neoprene gasket around the edge, allowing a very tight seal.
- .3 When installed on exposed branches, fix them with flanges facing the interior of the duct.
- .4 Adjustable frontal blades:
 - .1 For supply grilles in walls or on the sides of an exposed duct, direct the horizontal frontal blades upwards at an angle between 15 and 20°.
- .5 When installed on the walls or on the exposed ducts, baked enamel finish, aluminum color.
- .6 When installed on the ceiling, baked enamel finish, white color.
- .7 When installed in a sill or in the floor, brushed aluminum finish with protective lacquer.
- .8 Provide shop drawings and a sample of each type of grille and diffuser used.
- .9 Fastened with exposed or concealed screws.
- .10 All grilles and diffusers must be equipped with seismic restraint systems.

2.2 SUPPLY GRILLES ON CEILINGS

- .1 Type PDDR (square):
 - .1 Construction:
 - .1 In steel.
 - .2 To be incorporated into a suspended ceiling on exposed grid.
 - .3 White
 - .4 Dimensions : 603 mm x 603 mm
 - .5 Complete with plenum and internal perforated grille.
 - .2 Model: such as PDDR from E.H. Price Ltd or approved equivalent.

2.3 MANUFACTURER LIST

- .1 Comply with article "PRODUCTS USED FOR TENDERS AND EQUIVALENCES" from section 01 00 10 – General instructions.



.2 List of manufacturers, section 23 37 13:

.1 Grilles and diffusers:

- .1 E.H. Price Ltd
- .2 Grada
- .3 Krueger
- .4 NAD Klima
- .5 Nailor Industries Inc.
- .6 Titus

2.4 GRILLES (ON WALLS, CEILINGS, EXPOSED DUCTS, EQUIPEMNTS, ETC.)

.1 Type RY:

.1 Construction:

- .1 13 mm x 13 mm screens, made of galvanized wire mesh No. 2, 10 gauge.
- .2 Galvanized sheet frame welded to the mesh.
- .3 Reinforce the screens of large dimensions.

Part 3 Execution

3.1 INSTALLATION

- .1 Install grilles, grilles with dampers, and diffusers according to manufacturer's instructions.
- .2 Where fasteners are visible, embed screws in countersunk holes.
- .3 Linear diffusers, high induction roller diffusers, double deflection grilles and other adjustable grilles and diffusers: adjust the diffusers until the desired air distribution patterns are obtained.

END OF SECTION

