**Part 1 – GENERAL**

1. **Description**
2. Supply and install metal acoustical panels. Provide all labor, materials, tools, equipment and services required to comply with the provisions of contractual documentation.
3. Submit shop drawings showing construction and installation details prior to fabrication.
4. **Quality assurance**
5. Fire hazard classification: ASTM E84
6. Sound transmission classification : ASTM C423-17
7. **Delivery, storage and handling**
8. Upon delivery of the acoustical panels, it is the responsibility of the General Contractor to store them in a fully enclosed space and be protected against damage before and after installation.
9. **Related work by others**
10. Paint.
11. Wood blockings.
12. **Warranty**
13. The metal acoustical panels are guaranteed against all manufacturing defects for a period of one (1) year. This warranty covering material and labour shall be effective upon the date of signature of the certificate relative to the substantial completion**.**

**Part 2 – Products**

1. **Materials**
2. The metal acoustical panels as manufactured by Corflex.
3. The face of the metal acoustical panels shall be fabricated:

**Select:**

Zinc-plated satin steel from 1.3mm (18-gauge) sheet with 2.5mm (3/32’’) perforations in staggered rows of 4mm (5/32”) intervals

Aluminum panels from 1.3mm (18-gauge) aluminum sheet with 2.5mm (3/32’’) perforations in staggered rows of 4mm (5/32”) intervals.

**Select model:**

Flat panels model 2200P, the metal perforated sheet folded on its two long sides. The thickness of the panel is 51mm (2”).

”V” ridge panels model 2200V, the metal perforated sheet folded on its two long sides. The ridges will be 25mm (1”) high and in 152mm (6”) increments. The thickness of the panel is 76mm (3”).

1. Stiffeners shall be fabricated with zinc plated 1.3.mm (18-gauge) steel. A mid panel stiffener shall be added to panels exceeding 1830mm (6’0”). To secure panels to mounting supports, stiffeners at both extremities must be outfitted with two 6mm (1/4-20) nuts; these four supports will be held to the panel by 6mm (1/4-20) bolts.
2. Soundproofing insulation shall be a 51mm (2”) fiberglass mat with a density of 0,68kg/m3 (1.5lb/ft3). A fireproof polyethylene film shall recover the soundproofing insulation.
3. **Hanging system**
4. The four 3mm (11 gauge) mounting supports allow for a wall or ceiling clearance

**Select:**

0mm (0”) from wall or ceiling

51mm (2”) from wall or ceiling

102mm (4”) from wall or ceiling

1. **Metal acoustical panel finish**
2. Panel finish must be:

**Select:**

Powder coated paint. Selected from manufacturer’s standard range (white, black, grey, beige).

Powder coated paint. Selected form RAL colour range.

1. **Acoustical performance**
2. Independant laboratory tests provide sound transmission data of panels in m2/panel. The sound absorption test for a standard panel of 915 mm X 3050mm (3’-0’’ X 10’-0’’) with soundproofing insulation covered with polypropylene film.

**Part 3 – Execution of work**

1. **Installation**
2. Installation is to be completed by an authorized factory trained installer.