Specification and Data Sheet
MODELS DP-12, DP-18 and DP-24

1. **Product Name**: MIRO DECK PLATE MODELS DP-12, DP-18 and DP-24

2. **Manufacturer**: MIRO INDUSTRIES, INC., 2700 South 900 West, Salt Lake City, Utah 84119 Phone (800) 768-6978 Fax (800) 440-7958

3. **Product Description**: A rigid plate which supports other mechanical devices, pedestals or pipe supports by providing a flat smooth surface upon which supporting devices may rest to protect roof-top membranes and to further distribute roof top weight to protect submembrane insulation and decking material. The design of the deck plate allows rooftop pipe supports, pedestals and other supporting devices to be installed without penetrating the roof membrane and further allows the daily movement of a piping system to properly carry the load being borne by the supporting devices as thermal expansion and contraction moves the roof system of pipes or devices supported by the deck plate. The deck plate is made of 16, 18 or 20 gauge stainless or hot-dip galvanized steel plate which prevents rusting, enhances the longevity of the roof, and provides maximum operational efficiency for other rooftop pipestands, pedestals and support devices.

4. **Product Performance**: As daytime temperatures warm the roof membrane and the roof environment, the mechanical pipe network found on the roof and other mechanical devices located thereon expand. As temperature cools, the process reverses. This movement of the rooftop piping system and other devices causes friction upon such supporting devices, the roof membrane and the insulation and decking material below the roof membrane. The MIRO deck plate provides a smooth surface for such supporting devices to further absorb the friction of the rooftop movement and distributes the weight of the piping and pipe support over a larger area of the roof. The result is that roof membrane material is not pushed or pulled, does not adhere to the supporting pipestand or device, and when properly installed the Deck Plate prevents the insulation or deck material beneath the roof membrane from being damaged or crushed.

5. **Compatibility**: The deck plate is recommended for use on and is compatible with all current types of decking and with all commonly used built-up and single-ply roofing membranes where roof-mounted pipes and devices are installed.

6. **Spacing**: Maximum load weight not to exceed 200 pounds per plate for the 12" by 12" size, 400 pounds per plate for the 18" by 18" size, and 800 pounds per plate for the 24" x 24" size, nor should the load weight be confined to unusually small areas of the deck plate.

7. **Composition and Materials**: The deck plate is made of 18 gauge stainless steel and is gently curved at the edges to prevent gouging or ripping of the roof membrane.

8. **Size**: The MIRO deck plate is manufactured in 12" x 12", 18" x 18" and 24" x 24" sizes, or custom if needed.

9. **Installation**: (1) Determine the spacing for the pedestals, pipe supports or other rooftop devices and center the deck plate at the center point requiring support. (2) Install the mechanical unit or pipe support as required by the manufacturer specifications and installation requirements. (3) Set the pipe in the pipe support or other supporting device without dropping or causing undue impact. If desired, the installation of an additional sheet of roofing material or traffic pad beneath the deck plate can be installed. For built-up roofs, all loose aggregate from an area 2" beyond the edge of each deck plate should be removed from the area directly beneath the plate and then follow the installation directions set forth above. Care should be taken to install each deck plate, pedestal, pipe support or other device so as to support a proportional and equal amount of weight. MIRO suggests that the plate and other supporting device upon it be installed unattached to allow the supporting device to move in the small increments required as expansion and contraction of the piping system occurs each day.

10. **Spacing**: The deck plate should be set upon the roof at spacing centers as recommended by the manufacturer's specifications for the supporting device which is to rest upon the deck plate.

11. **Availability**: Deck plates are marketed throughout the United States through representatives and distributors.

12. **Maintenance**: Normally maintenance is not required. Semi-annual inspection is required to check deck plate position and pipe alignment, weight distribution and improper installation which may cause system failure or damage.

13. **Technical Services:** Please call MIRO INDUSTRIES, INC.: (800) 768-6978 or visit our website *www.miroind.com* for technical information and for graphic and CAD drawing downloads.