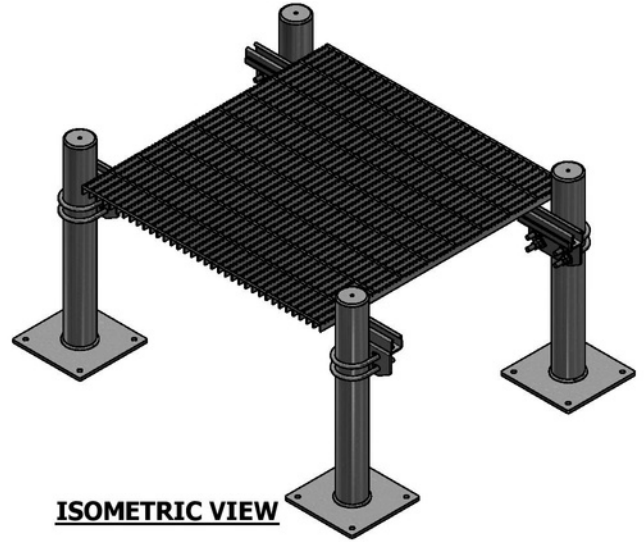
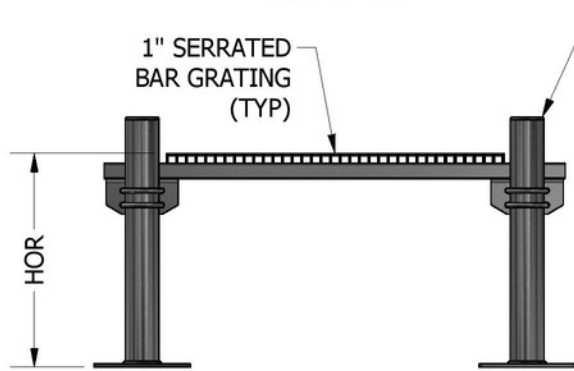


**TOP VIEW**

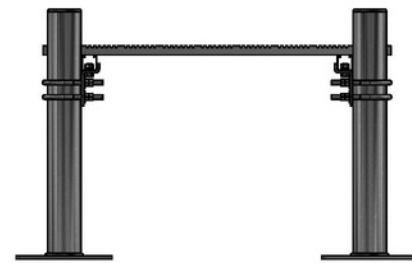


**ISOMETRIC VIEW**



**SIDE VIEW**

FRAME, BASE PLATE AND ANCHORAGE TO BE DESIGNED TO MEET PROJECT SPECIFIC REQUIREMENTS



**END VIEW**

**PRODUCT DESCRIPTION**

MIRO Stanchioned HD Mechanical Supports are custom designed in-house to meet project specific needs and code requirements. Bases and material are selected to meet design constraints and specifications.

Positive attachment to the building structure is required to resist minimum lateral and uplift loading requirements per code requirements.

The project engineer of record is responsible for the design of the building structure and local reinforcement where required to withstand applied load.

**KEY INFORMATION**

Information needed to complete the design:

- Project Address
- Structural Drawings if available
- Design Criteria (typically available in the Structural General Notes)
- If structural drawings are not available a MIRO Design Professional can assist with obtaining the required information.
- Description of the intended use of the building
- Average Roof Height or elevation where equipment is being supported
- Cross-section view of roof construction
- All metal parts are either stainless steel or hot-dip galvanized.

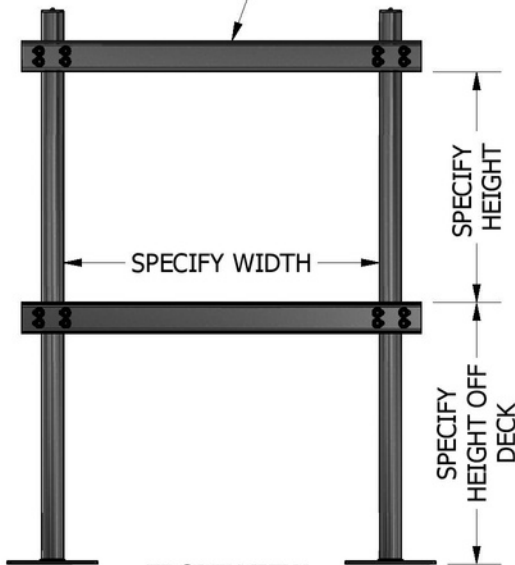


STANCHION BASE SIZE AND ANCHORAGE REQUIREMENTS TO BUILDING STRUCTURE TO MEET JOB SPECIFIC APPLICATIONS

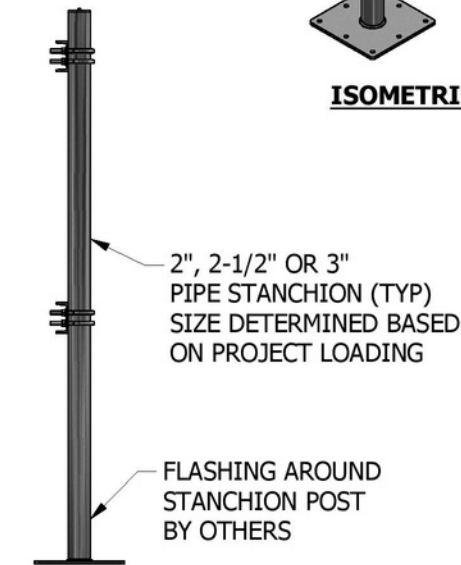


**TOP VIEW**

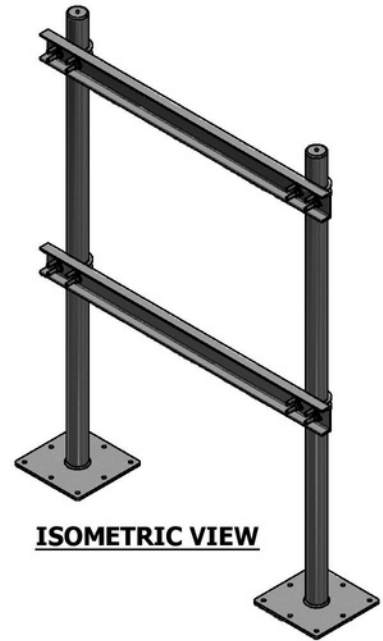
C4X5.4 HEADER (TYP) DETERMINED BASED ON PROJECT LOADING



**FRONT VIEW**



**SIDE VIEW**



**ISOMETRIC VIEW**

**PRODUCT DESCRIPTION**

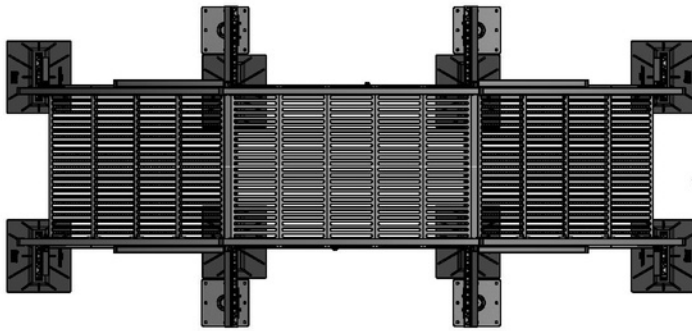
Duct and Cable Trays are designed for single or multiple duct supports and cable trays. To obtain a project specific design and pricing, call your local representative and have the following information available:

1. Dimensions of duct
2. Duct material (gauge thickness)
3. Clearance height above roof (bottom of insulation)
4. Insulation (if any)
5. Duct layout drawing
6. Project Address
7. Roof framing plan
8. Cross section drawing of roof construction including; Type of deck, roof insulation thickness and membrane or finished surface
9. MIRO Project Specific Design Requirements sheet.

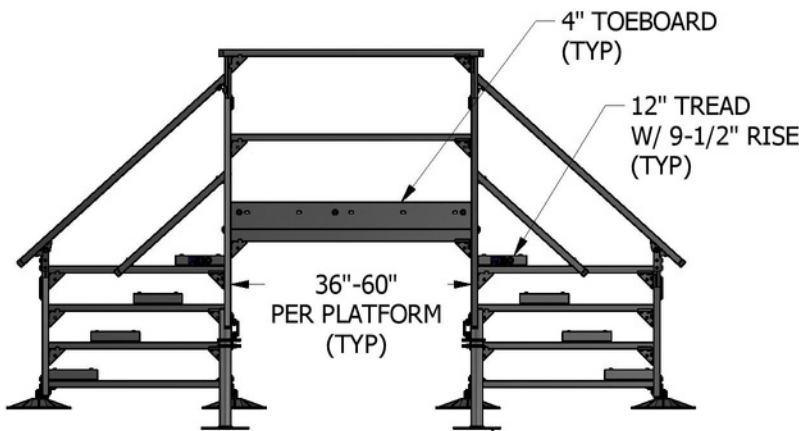
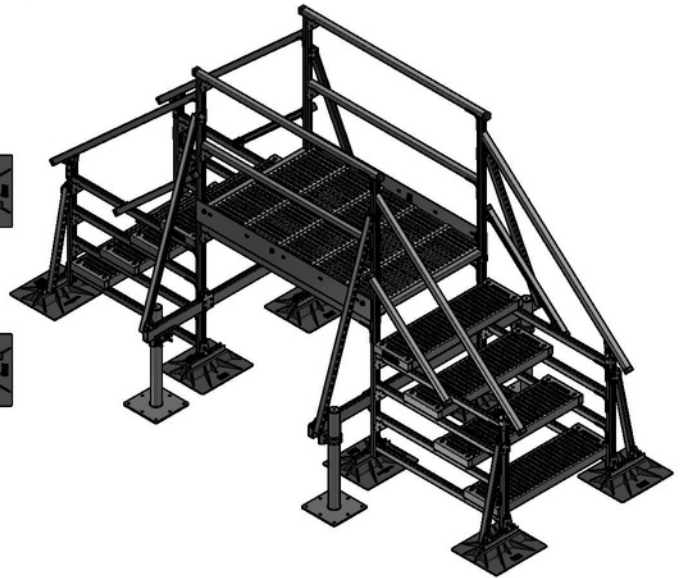
**KEY INFORMATION**

- Stanchioned duct supports are engineered to ensure member/component capacities and deflection criteria are not exceeded.
- Deflection in the horizontal header bar is not to exceed the span length by 360 or 1/8".
- Recommended spacing is not to exceed 8 feet centers depending upon the load.
- Width and height are built job specific based on information provided to MIRO Ind. with a minimum height of 12"
- All metal parts are hot dip galvanized
- MIRO Industries, Inc. is not responsible for the design of the building structure or the components being supported.

MIRO stanchioned supports are engineered to meet project specific design requirements. Stanchioned supports shall only be used on the project they are designed for. Supports are designed to meet loading requirements per ASCE-7 "Minimum Design Loads for Buildings and Other Structures" and locally adopted building codes.

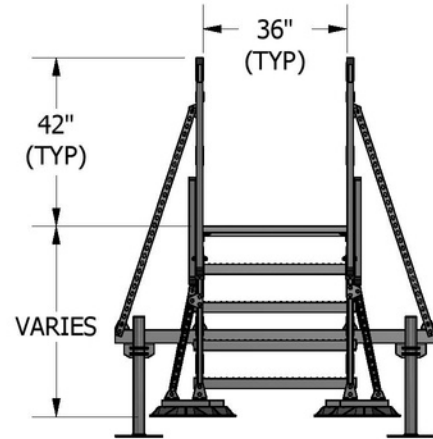


**TOP VIEW**



**SIDE VIEW**

STANCHION BASE DESIGNED TO MEET PROJECT SPECIFIC REQUIREMENTS



**END VIEW**

**PRODUCT DESCRIPTION**

On projects with high-wind and/or seismic risk, MIRO Surefoot access bridges and platforms may need to be positively anchored to the building structure. In these instances, MIRO Industries can provide a sealed engineered submittal package for the product that can be submitted to the local building official. Typical attachment requirements are addressed with a stanchion post attached directly to the roof deck. Force transfer through the building structure must be coordinated with the building engineer of record. The building engineer of record is responsible for the design of the building structure and local reinforcement where it is required to withstand applied loads.

MIRO crossover structures are designed to meet OSHA 1910 Subpart D requirements for walking/working surfaces. Stanchioned supports are also designed to code standards for applicable lateral and uplift loading.

**ACCESSORIES**

- MIRO Support pad
- Eternabond® 2-sided tape

**KEY INFORMATION**

Information needed to complete the design:

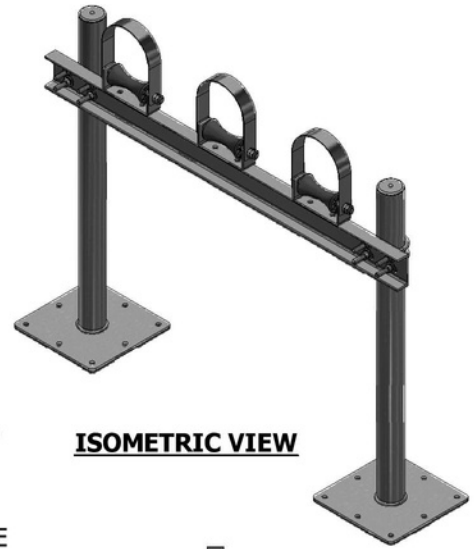
- Project Address
- Structural Drawings if available.
- Design Criteria (typically available in the Structural General Notes)
- If structural drawings are not available a MIRO Design Professional can assist with obtaining the required information.
- Description of the intended use of the building.
- Average Roof Height or elevation where crossover will be located.
- Cross-sectional view of roof construction
- All metal parts are either stainless steel or hot-dip galvanized.



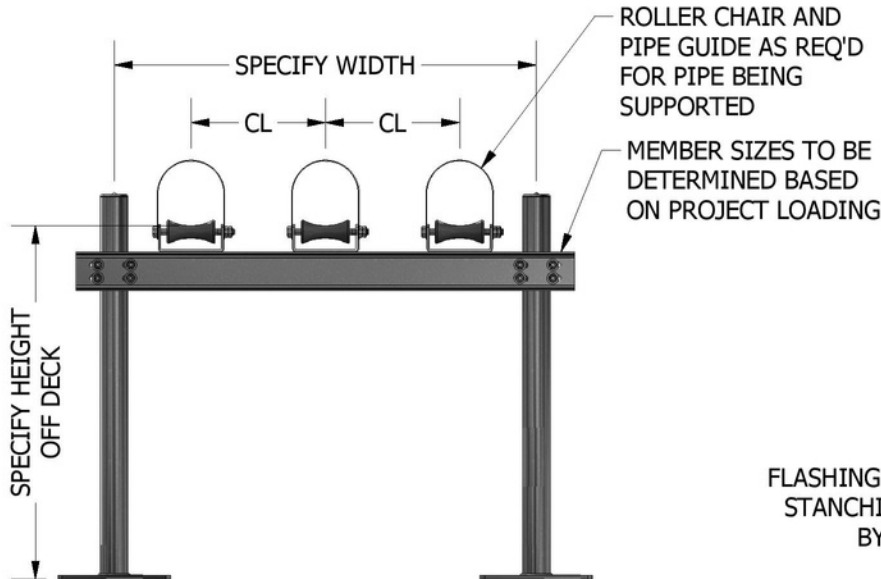
STANCHION BASE SIZE AND ANCHORAGE REQUIREMENTS TO BUILDING STRUCTURE TO MEET JOB SPECIFIC APPLICATIONS



**TOP VIEW**



**ISOMETRIC VIEW**



**FRONT VIEW**

FLASHING AROUND STANCHION POST BY OTHERS

**SIDE VIEW**

**PRODUCT DESCRIPTION**

Stanchioned pipe supports are designed for single or multiple pipes, single tier or multiple tier and for various heights.

To obtain pricing, call your local representative and have the following information available:

1. Type of pipe being supported (Steel Sch. 40)
2. Pipe size (trade size)
3. Pipe contents (liquid or gas)
4. Center line distance between pipes (CL)
5. Clearance height above roof deck (HOD)
6. Pipe insulation thickness.
7. Rooftop pipe layout drawing
8. Project Address
9. Roof framing plan
10. Cross section drawing of roof construction
  - a. Type of deck
  - b. Roof insulation thickness
  - c. Membrane or finished surface
11. MIRO Project Design Requirements sheet.

**KEY INFORMATION**

- Stanchioned pipe supports are designed and engineered to project specific requirements provided to MIRO Industries.
- MIRO Industries, Inc. is not responsible for the design or evaluation of the building structure or the design of the components being supported.
- Deflection in the horizontal header bar is not to exceed the span length by 360 or 1/8".
- Stanchioned pipe supports allow adjustable height as desired or required by the code or roof system. Purchasers must specify desired heights and multiple pipe centerline spacing upon quote requests and ordering of stanchioned pipe supports.
- Contractor is to ensure each pipestand is properly elevated to even distribute loading at all pipestands.
- All metal parts are hot dip galvanized or stainless steel

MIRO stanchioned supports are engineered to meet project specific design requirements. Stanchioned supports shall only be used on the project they are designed for. Supports are designed to meet loading requirements per ASCE-7 "Minimum Design Loads for Buildings and Other Structures" and locally adopted building codes.