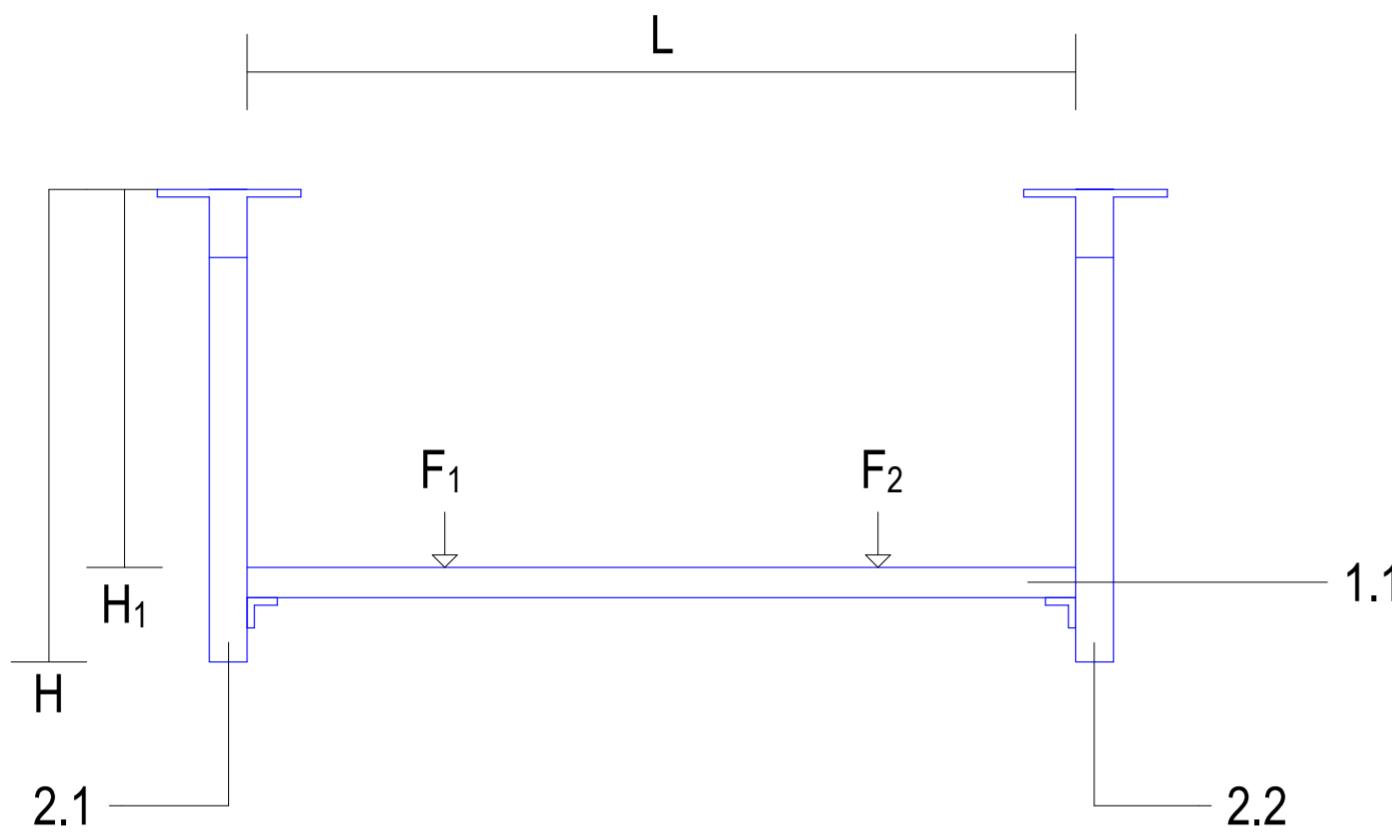


FORM 1A



DATA INPUT FORM

DATA INPUT - SIZING				DATA INPUT - LOADS					
Item	Un	Value	Validated	Item	Un	Value	Max Span (m)	Value (kN)	Validated
H ₁	mm	665		F ₁	kN/m	2.2000	2.0	4.4000	
H	mm	761		F ₂	kN/m	2.2000	2.0	4.4000	
L	mm	742							

OVERVIEW

MC Prefab is a collaborative joint venture between CTS, MECWIDE, and BIMMS. The primary objective of this partnership is to streamline the production of Mechanical, Electrical, and Plumbing (MEP) support structures.

To achieve standardization and optimization in support production, installation, and to minimize material waste, a comprehensive catalog of solutions has been developed. This catalog defines all support solutions along with their respective variables.

Process Stages:

The overall process of MEP support structure production and installation is divided into three distinct stages:

1-Preparation

2-Production

3-Installation

Each stage requires specific documentation, outlined as follows:

Form1A: Base Specification for Support Solution Definition

Form2A: Fabrication Drawing

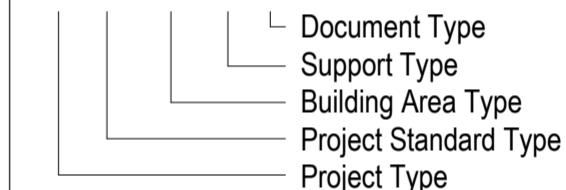
Form3A: Installation Drawing

These documents ensure the standardization and efficiency of the entire process, from initial preparation through to final installation.

For any further details or clarifications, please refer to the MC Prefab documentation guidelines or contact the project management team.

Naming Convention

DC.FWA.COR.1.1-1A



		Type:	Rod	Pressix CC 41	siFramo 80/30	siFramo 80	siFramo 100				
		L _{max} (mm)	Cut Length (mm)	Max. Loads (kN)							
Horizontal Profiles		500	493	10.50		67.97	119.94				
		600	593	7.29		47.2	83.29				
		750	742	4.67		30.20	53.30				
		1000	990	2.62		16.99	29.98				
		1200	1189	1.82		11.80	20.82				
Profile ID		Profile Selection									
1.1		$F_1 + F_2$									
Vertical Profiles		H _{max} (mm)	Max. Loads (kN)								
		All Sizes									
		Profile ID	Formula	Profile Selection							
2.1		$F_1 + F_2$									
2.2											
Horizontal Loads Calculation Method				Vertical Loads Calculation Method							
Point Load		Example:									
		For a horizontal beam with a Length of 1000mm, the Maximum Loads supported for the different configuration of Loads are the following:									
<ul style="list-style-type: none"> - Single Point Load ~ 12.06 kN - Distributed Load ~ 24.13 kN/m - 2 Point Load ~ 18.10 kN - 3 Point Load ~ 18.09 kN 											
Distributed Load											
2 Point Loads											
3 Point Loads											
Example:											