

Version 3.7 - December 2024 (8 pages)

Spec Sheet SC-2S (LVDP Subbase) MCM™



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Product specifications

NOTES:

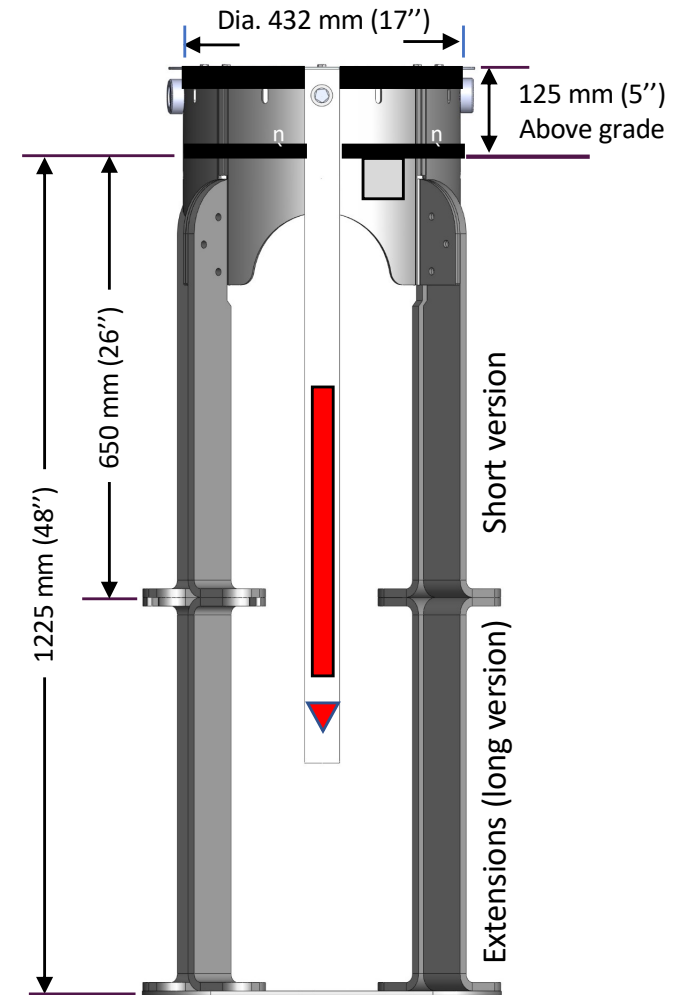
1. This product is designed to be used with the enclosure CD-1S (LVDP), also made by MCM (see next page for different characteristics of the LVDP vs JDP) ;
2. The installation of the SC-2S base is described in Hydro-Quebec instructions no **102-4201-01** and **102-4205-01** from Standard **B.41.21-01** ;
3. The **CT2S** option (temporary cover) is required when this product is sold separately of the CD-1S enclosure.

Specifications of full-length version (standard)

Base		Remarks
Height :	1350 mm (53") overall	Height excluding flag installed
Weight :	72,54 kg (160 lb)	
Material :	Steel 6/12 mm (1/4 -1/2")	Measures refer to thickness
Finish :	Grey	Zinc primer

Specifications of short version (without extensions). Cat # SC-2X

Base		Remarks
Height :	775 mm (30") overall	Height excluding flag installed
Weight :	50,70 kg (112 lb)	
Material :	Steel 5/12 mm (3/16 -1/2")	Measures refer to thickness
Finish :	Grey	Zinc primer



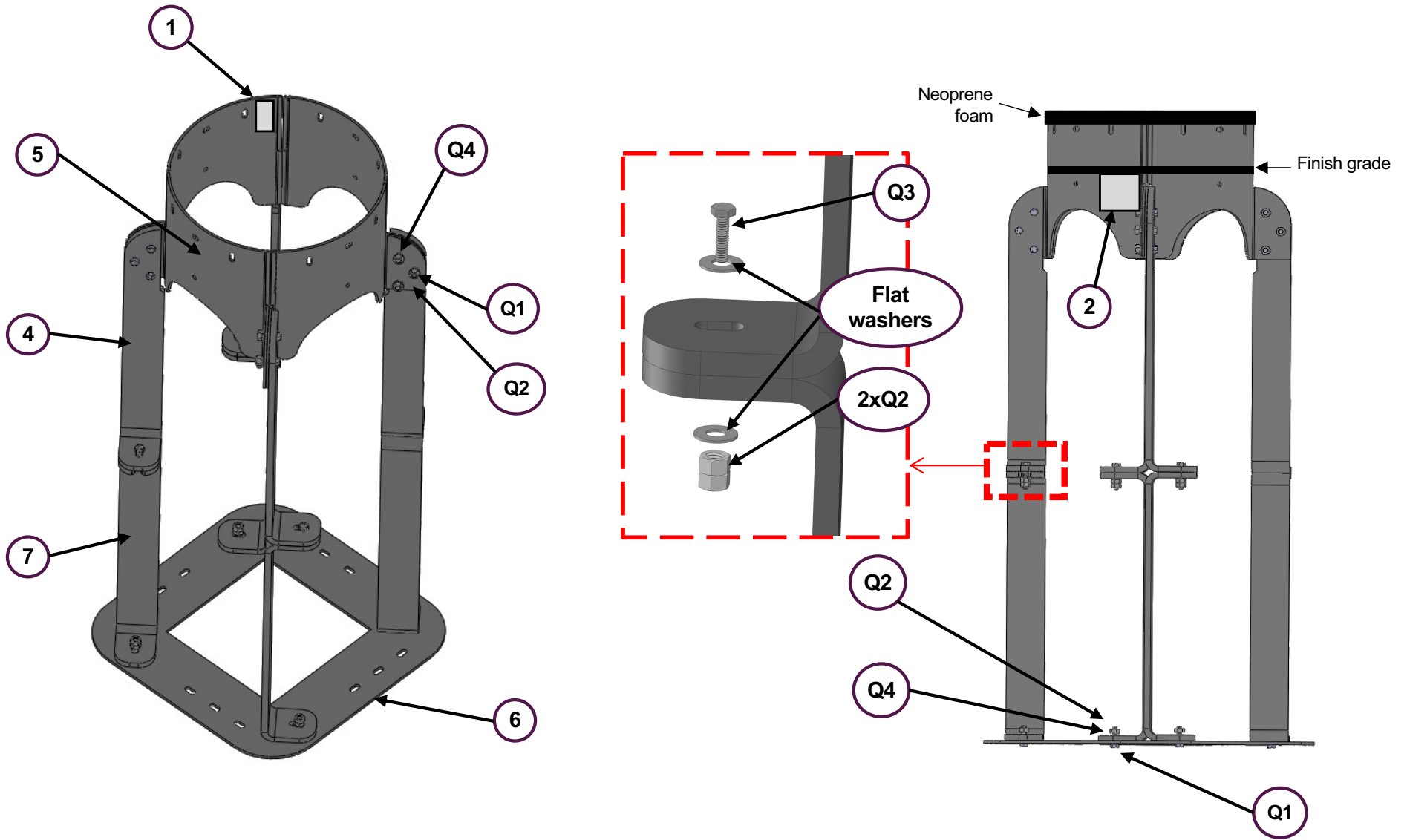
Here are the differences between a Low Voltage Distribution Pedestal (LVDP) and a Joint Distribution Pedestal (JDP), both being distinct MCM Products.

DESIGNATION	COMPONENTS	UTILIZATION	LAMPPOST	OPTIONS	REMARKS
Low Voltage Distribution Pedestal (LVDP)	The CD-1S Enclosure is installed on the SC-2S Subbase, full length (1350 mm) or SC-2X, short version (775 mm)	Connections 120/240V or 347/600V, up to 600A. For new connections of renovation of existing network..	<u>CANNOT</u> receive a lamppost, but may be illuminated if required	Decorative cap (may be illuminated upon request) CD or CD1L. Locked temporary cover CT-S2 (required when CD-1S supplied by H-Q).	The CD-1S Enclosure <u>only</u> may be supplied by H-Q, depending on the project. The contactor has to supply and install the SC-2S Subbase in all cases.
Joint Distribution Pedestal (JDP)	JDP Enclosure, model E4, with SB-2S Subbase	Connections 120/240V or 347/600V, up to 600A.	<u>CAN</u> receive a lamppost up to 6 m high or + and connect it to the power network.	Decorative cap (may be illuminated upon request) CD or CD1L. Other models of JDP are available (see note).	The Subbase/Cabinet (SB-2S/E4) must be supplied and installed by the contractor in all cases.

Note : For more details, refer to Hydro-Quebec Standards and MCM Products Spec Sheets for the various models.

Summary of components

Items	Description	Qty	Part ID / Material
1	Patents sticker	1	MCM-7013
2	Grade level stickers (grass or other)	2	MCM-7011
3	Flag raising instruction sticker (see item 10)	1	MCM-7014
4	Legs of subbase	4	P-17-001
5	1/4 of top ring	4	P-17-002
6	Base of the subbas	1	P-17-003
7	Extension of leg	4	P-17-004
8	Temporary cover with fasteners (optional)	1	P-17-CTSHQB-001-C and 002-A
9	Lock (tamperproof system) (with item 8)	4	S/S bolt with pentagonal head, in a special hollow alum. cap. Requires penta socket to be removed.
10	Flag (see instructions on item 3) (with item 8)	1	Mounted upside down
Q1	Lock washer 3/8"	16	Hot galvanised
Q2	Nut 3/8-16	24	Hot galvanised
Q3	Hex head bolt 3/8-16 X 2"	4	Hot galvanised
Q4	Hex head bolt 3/8-16 X 1"1/2	16	Hot galvanised

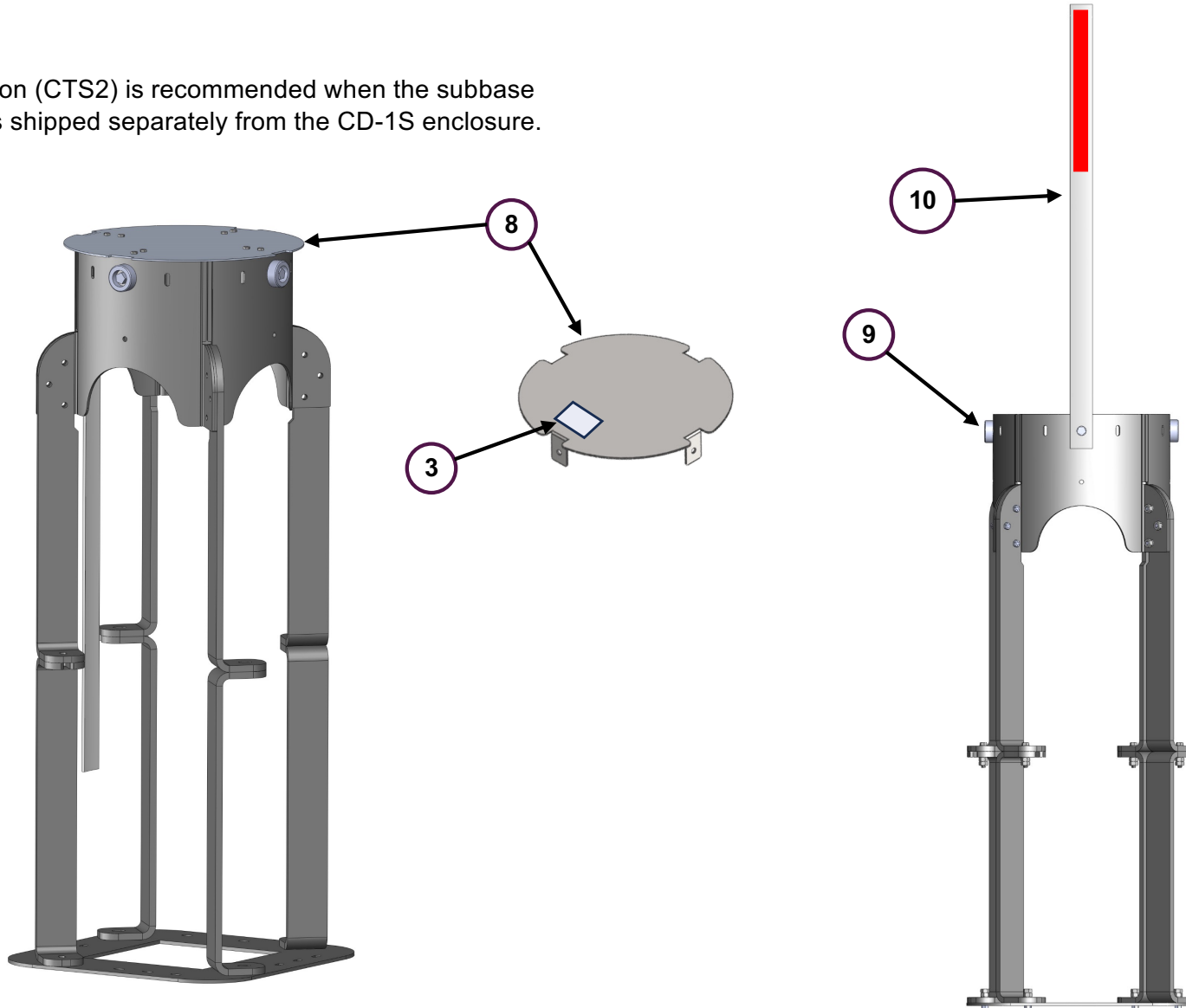


Temporary cover / Flag



NOTES

This option (CTS2) is recommended when the subbase SC-2S is shipped separately from the CD-1S enclosure.



IMPORTANT NOTES :

1. All engineering and related works required for the installation and grounding of the structure remains the entire responsibility of the client. MCM Integration, the designer, the authorized distributor decline individually or jointly any responsibility regarding the installation of the Subbase.
2. The Subbase installation procedure must be carried out in accordance with the most current and recognized civil engineering procedures and follow all the applicable health and safety regulations. The selected contractor should be familiarized with the MCM Low Voltage Distribution Pedestal concept before proceeding. Hydro-Quebec Standards specified on page 2 supersede the present guide.

- 1 In an excavated hole of 1,4 m (54 in) deep and 1,2 m (4 ft) in dia. build-up a compacted aggregate bottom (90% MP) about 150 mm (6 in) deep.

Lower the Sub-base into the hole. The top of the Subbase must exceed the finished grade predicted level as shown on this drawing.

ATTENTION: PREVENT WATER ACCUMULATION INSIDE THE HOLE AT ALL TIMES.

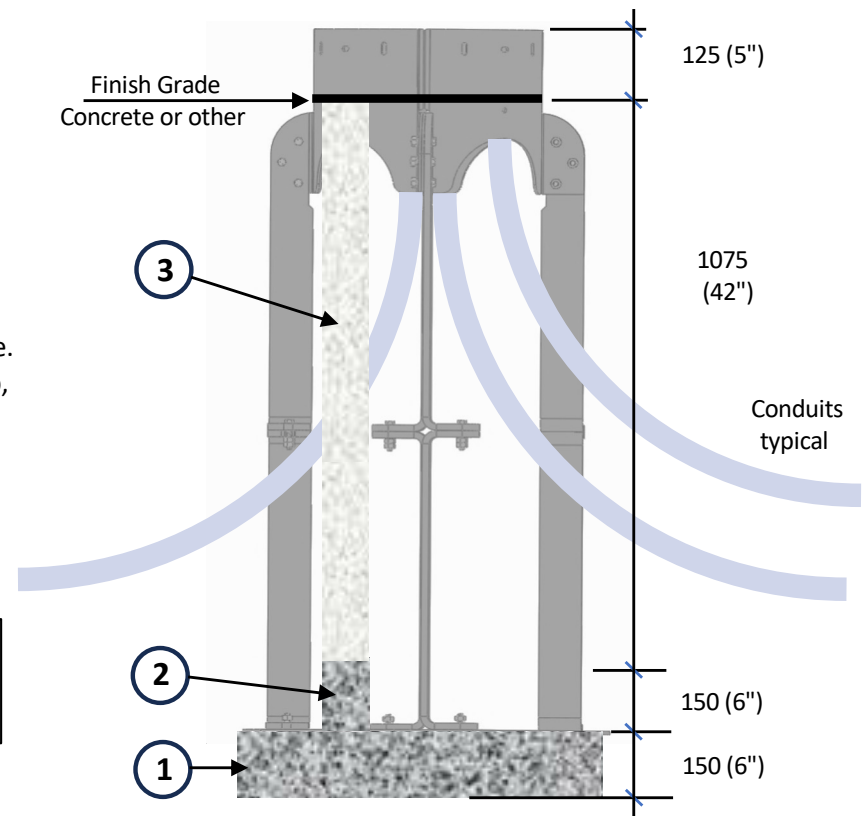
- 2 Backfill using successive layers of compacted aggregate about 150 mm (6 in) high. Verify that the Subbase is plumb (straight) while compacting.

If required by the applicable Standard, Install a grounding rod with a grounding cable. Then install the required conduits for the clients and networks. Solidly support, cap, and attach elbows to threaded rods in the Subbase (in a cross near the top).

- 3 Install a tube around the Subbase (Sonotube™ type) of 1,0 m dia. (3 ft) and make cutouts around the installed conduits. Block the holes left around the conduits with aggregates backfill. Pour flowable concrete slowly inside the tube up to the line on Subbase marked "Top of flowable concrete". Level the concrete while pouring.

It is recommended to use of flowable concrete with a loading capacity of 1.0 to 1.8 MPa (verified with samplers). Note that backfilling concrete can be used in this case, with or without the form, as per applicable Standard.

* THIS PROCEDURE IS RELATING TO THE LONG VERSION OF THE PRODUCT ONLY.



Items	Description	OK (Internal)
Thickness of paint: 1. 2. 3. 4. 5.	Average of 5 measures: 0,002 à 0,003 in.	
Adjustment of quarters:	Acceptable	
Flag and temporary cover (1):	Assembled	
Sticker Finish grade level (2):	Both sides	
Sticker Patents:	Inside	
Middle cross with threaded rods:	Assembled	
External diameter of top (under the cover):	342 mm (17")	

MCM™ WARRANTY

THE MCM SUBBASES HAVE A TWO (2) YEARS WARRANTY ON ANY DEFECT IN MATERIAL OR WORKMANSHIP, AND A TWENTY-FIVE (25) YEARS WARRANTY ON FUNCTIONALITY, WHEN THEY ARE INSTALLED AND USED AS RECOMMENDED. (EXACT TERMS OF WARRANTY AVAILABLE UPON REQUEST.)