Version 2,0 - March 2024 (7 pages)

Spec Sheet SB-2S
(JDP Subbase) MCM™

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Description :
Steel subbase designed to be installed underground, following the current standard, and intended to serve as a mounting base for a MCM™ JDP cabinet. (JDP stands for Joint Ùdistribution Pedestal.)

Installation :
For information about installation, please refer to following documents, by order of priority :

1. B.41.21-102-4210-01 - *Coffrage BRC* 1730 (H-Q);
2. HT-MCM_SB-2-v1,1 (MCM);
3. DC-SB2-(en)-r2 (MCM).

IMPORTANT NOTE:

The SB-2S Subbase can be used only to support a MCM™ JDP cabinet and support a street lamp of a maximum height of 6m (20 ft) and with a lamp bracket up to 0,5m (20 in), except if otherwise indicated by MCM.

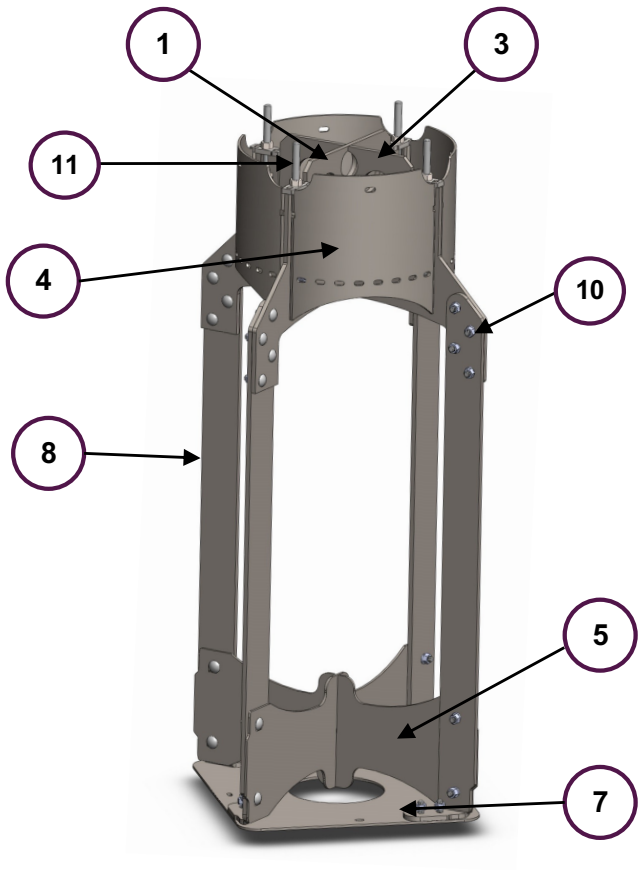
Should the street lamp exceeds the above specifications, please contact MCM integration for the data to verify the structural capacity of the assembly base/cabinet/street lamp.

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 INSTALLED AND USED AS RECOMMENDED. (EXACT TERMS OF THIS WARRANTY AVAILABLE UPON REQUEST.)

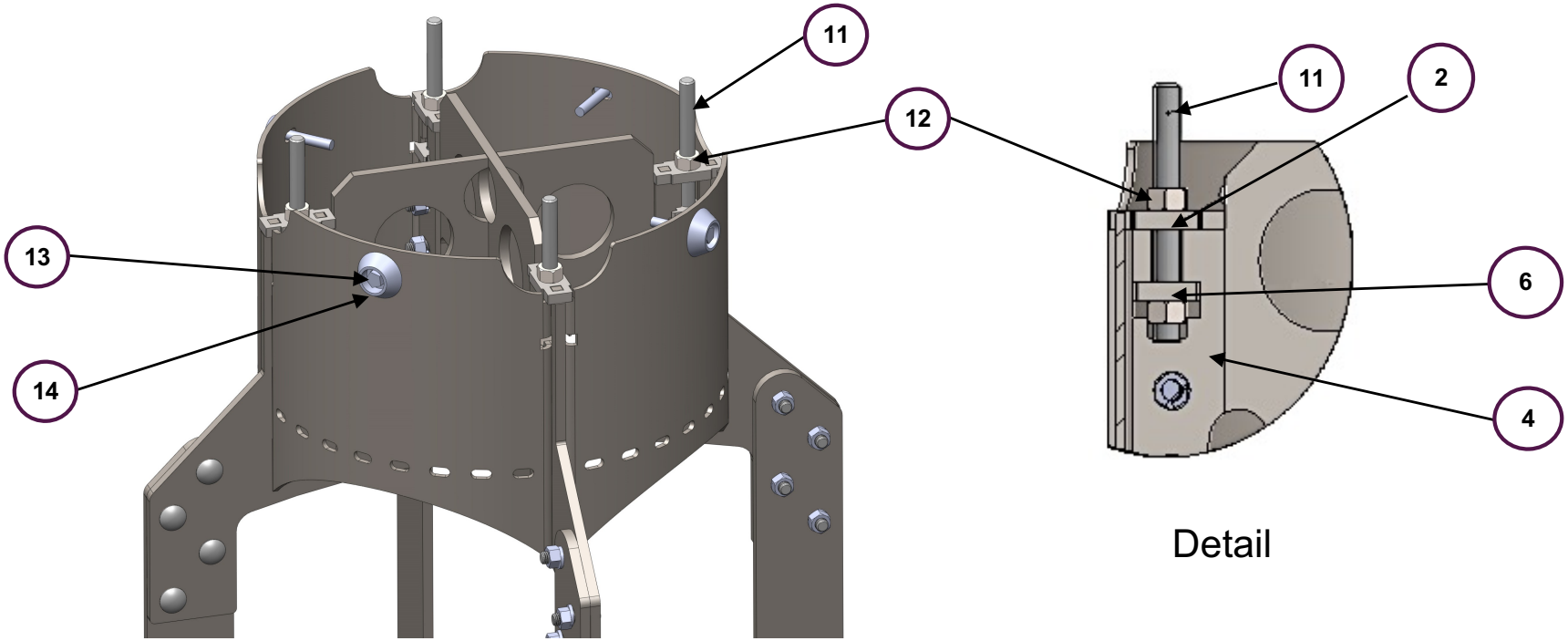
Summary of components

Items	Description	Part number/Material	Qty
1	Crosstie P1	P-SB-2S-B001	1
2	Top flange (for item 11)	P-SB-2S-B002	4
3	Crosstie P2	P-SB-2S-B003	1
4	1/4 of top ring	P-SB-2S-B004	4
5	Bottom cross	P-SB-2S-B005	2
6	Threated rod key (for item 11)	P-SB-2S-B006	4
7	Base	P-SB-2S-B007	1
8	Leg of the base	P-SB-2S-B008	4
9	Temporary cover (optional)	P-SB-2S-B009	1
10	Bolt 5/8-11	5/8-11 Hot galvanised	48
11	Threated rod 8'' TYPE 'B7'	3/4-10 x 8'' Hot galvanised	4
12	Hex nut 3/4-10	3/4-10 Hot galvanised	4
13	Pentagonal screw 1/2-13 (optional)	Special	4
14	Lock (tamperproof system) (optional)	Special	4

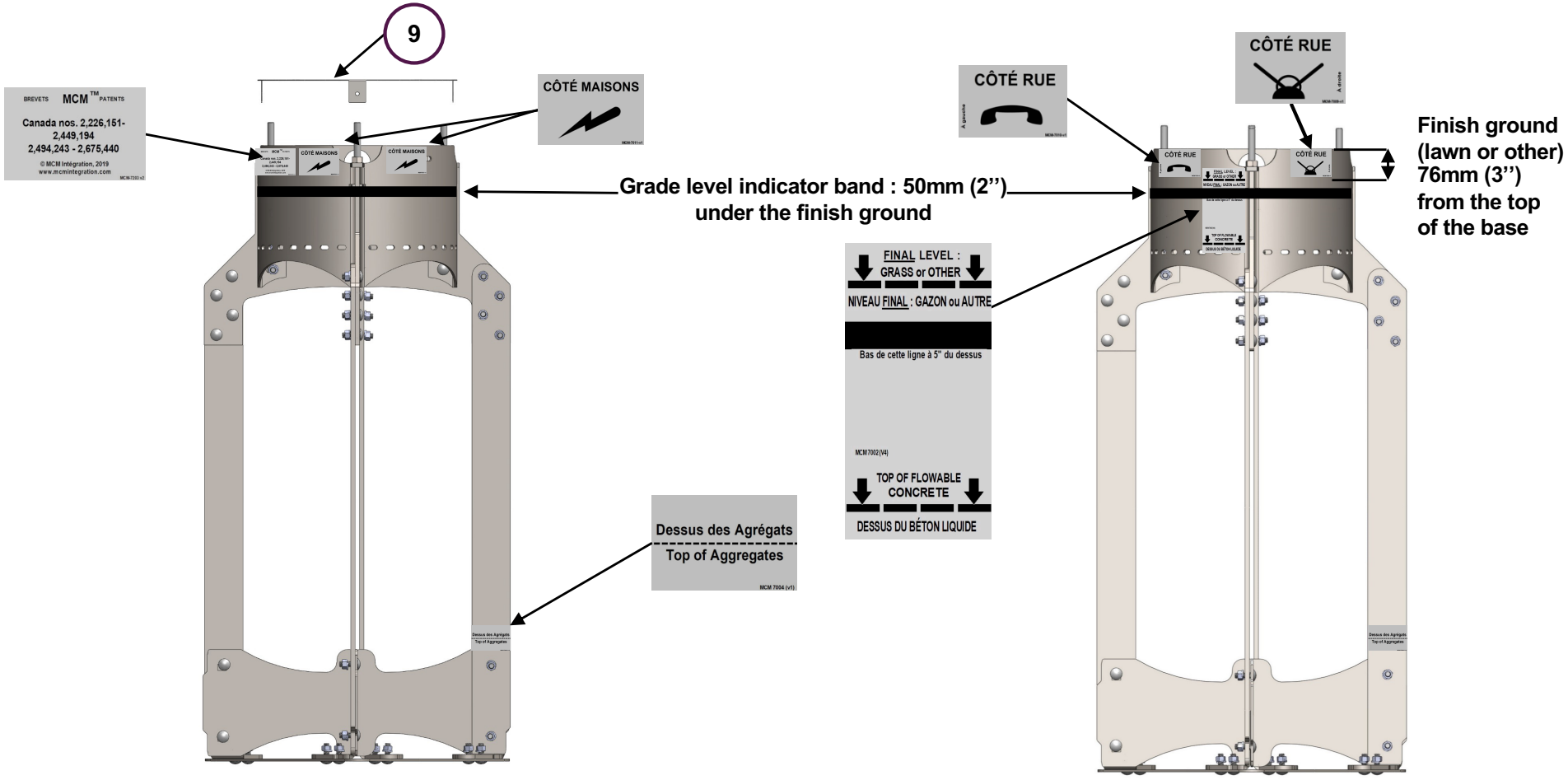


NOTE: Items 9, 13 and 14 come with the Temporary Cover option (CTSB).

Summary of components (cont'd)



Labeling

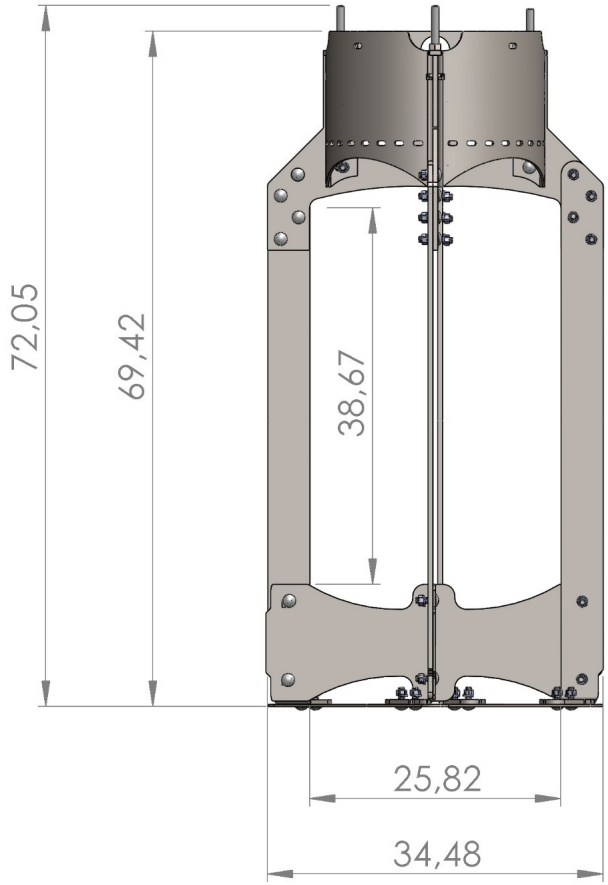


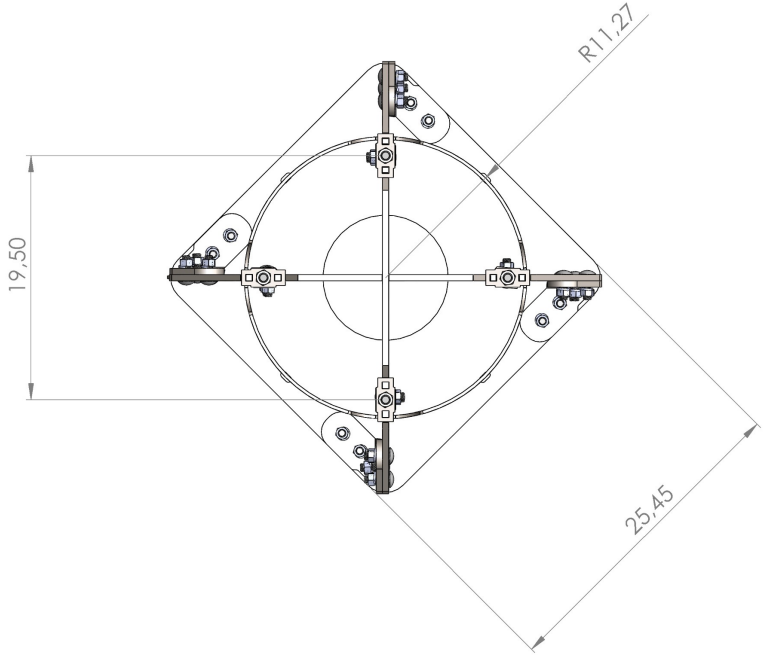
Dimensions

Material:
44W steel ¼ in thickness, legs of ½ in thickness.
Hot galvanised hardware.

Finish:
Epoxy baked zinc paint 4000h (grey).

Net weight:
380 lbs (172 kg).





Installation

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 Base concept before proceeding.

Suggested Installation: (See also " JDP – Installation SB-2S Subbase ".

1 In an excavated hole of 1,8 m (6 ft) deep and 1,8 m (6 ft) in dia. build-up a compacted aggregate bottom (90% MP) to the depth indicated hereby.

Lower the Sub-base into the hole. The top of the sub-base 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 up to the indicated height of ''Top of aggregates''. Verify that the Sub-base is plumb (straight) while compacting.

Use well distributed aggregates of crushed stones 0-20 mm (0-3/4'') compacted at 90% modified proctor, by successive layers of 75 to 150 mm (3 to 6'').
DO NOT BACKFILL WITH EARTH OR ANY OF THE MATERIAL REMOVED.

Install a grounding rod with grounding cable. Then the required conduits for the clients and networks. Solidly support, cap, and attach elbows to Sub-base (using the holes).

3 Install a tube around the Sub-base (Sonotube™ type) of 1,2 m dia. (4 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 Sub-base marked "Top of flowable concrete". Level the concrete while pouring.

In conformity with the MCM Base concept, 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" is NOT equivalent in capacity (Mpa).

4 Once the flowable concrete has solidified, finish landscaping to the Final grade level. Install the MCM Cabinet™ on top of the subbase following the instructions given in the following document : JDP – Cabinet Installation Assistant .