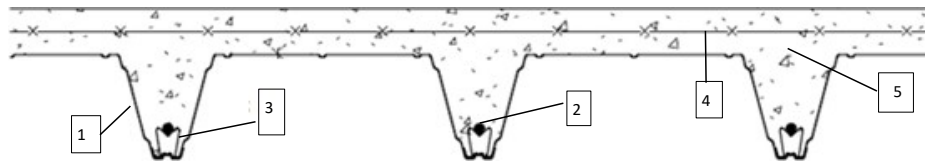


CPT-SFD 120-01



Division 05 – Metals
05 30 00 Metal Decking
05 31 33 Steel Form Decking

Canadian Panel Tech Ltd.
Design No. CPT/SFD 120-01
Floor Assembly
MegaSPAN Composite Metal Deck
ASTM E119 and CAN/ULC-S101
Fire Resistance Rating: 2 Hour Restrained



1. CERTIFIED MANUFACTURER: Canadian Panel Tech Ltd.

CERTIFIED PRODUCT: Composite Steel/Concrete Deck System

CERTIFIED MODEL: MegaSPAN Composite Metal Deck

The MegaSPAN Composite Metal Deck system consists of open bottom trapezoidal steel panels, min. 0.953 mm (20 GA) metal, 610 mm (24 in.) width coverage and 200 mm (8 in.) nominal depth. The steel panels are roll formed using ASTM A653 345 MPa (50 ksi) min. yield strength steel sheet with min. Z275 (G90) zinc coating.

MegaSPAN side-laps are to be fully overlapping, fastened together with 12-14 x 1-1/4 in. self-drilling, self-tapping steel screws, driven through side-lap washers spaced nominal 330 mm (13 in.) on center (oc).

2. REINFORCING STEEL: Min. #3 (10 mm) reinforcing steel (rebar), reinforcing steel as per CSA G30.18 or ASTM A615-60 Grade, is installed into each trough and is supported by chairs (Item 3). Consult Canadian Panel Tech Ltd. for comprehensive load tables and design parameters.

3. SUPPORT CHAIRS: Support rebars with steel or plastic chairs spaced 1020 mm (480 in.) oc. The chairs support the rebar approximately 40 mm (1.57 in.) from bottom of trough.

4. REINFORCING MESH STEEL: 152 mm x 152 mm x M18.7 (6 in. x 6 in. x 6 GA) steel reinforcing mesh supported above the top of the steel decking and positioned towards the top of the slab, or as specified by the Engineer of Record.

5. CONCRETE: Normal weight, 2400 kg/m³ (150 lb/ft³), min. 21 MPa (3000 lb/in²), strength concrete. Min. depth is 76 mm (3.0 in.).

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Date Revised: June 25, 2021

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Spec ID: 58487

Version: 18 January 2021

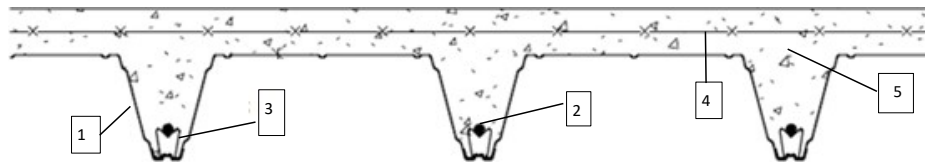
SFT-BC-OP-19I

CPT-SFD 90-01



Division 05 – Metals
05 30 00 Metal Decking
05 31 33 Steel Form Decking

Canadian Panel Tech Ltd.
Design No. CPT/SFD 90-01
Floor Assembly
MegaSPAN Composite Metal Deck
ASTM E119 and CAN/ULC-S101
Fire Resistance Rating: 1-1/2 Hour Restrained



1. CERTIFIED MANUFACTURER: Canadian Panel Tech Ltd.

CERTIFIED PRODUCT: Composite Steel/Concrete Deck System

CERTIFIED MODEL: MegaSPAN Composite Metal Deck

The MegaSPAN Composite Metal Deck system consists of open bottom trapezoidal steel panels, min. 0.953 mm (20 GA) steel, 610 mm (24 in.) width coverage and 200 mm (8 in.) nominal depth. The steel panels are roll formed using ASTM A653 345 MPa (50 ksi) min. yield strength steel sheet with min. Z275 (G90) zinc coating.

MegaSPAN side-laps are to be fully overlapping, fastened together with 12-14 x 1-1/4 in. self-drilling, self-tapping steel screws, driven through side-lap washers spaced nominal 330 mm (13 in.) on center (oc).

2. REINFORCING STEEL: Min. #3 (10 mm) reinforcing steel (rebar), reinforcing steel as per CSA G30.18 or ASTM A615-60 Grade, is installed into each trough and is supported by chairs (Item 3). Consult Canadian Panel Tech Ltd. for comprehensive load tables and design parameters.

3. SUPPORT CHAIRS: Support rebars with steel or plastic chairs spaced 1020 mm (40 in.) oc. The chairs support the rebar approximately 40 mm (1.57 in.) from bottom of trough.

4. REINFORCING MESH STEEL: 152 mm x 152 mm x M18.7 (6 in. x 6 in. x 6 GA) steel reinforcing mesh supported above the top of the steel decking and positioned towards the top of the slab, or as specified by the Engineer of Record.

5. CONCRETE: Normal weight, 2400 kg/m³ (150 lb/ft³), min. 21 MPa (3000 lb/in²), strength concrete. Min. depth is 64 mm (2.5 in.).

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

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