

Over-Support Splice Adaptor

- Place splices directly over supports
- No additional support required



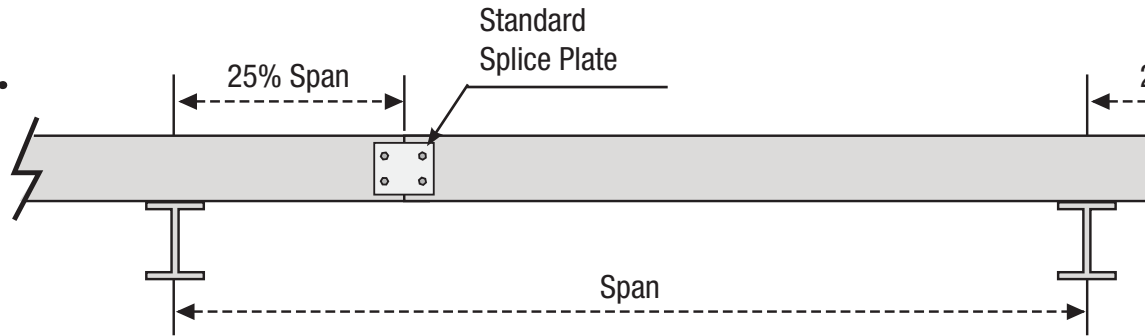
Over-Support
Splice Adaptor
(Beam Installation)

Standard 1/4 Span Typical Installation

Based on NEMA VE2

Supports are placed at 1/4 span (25%).

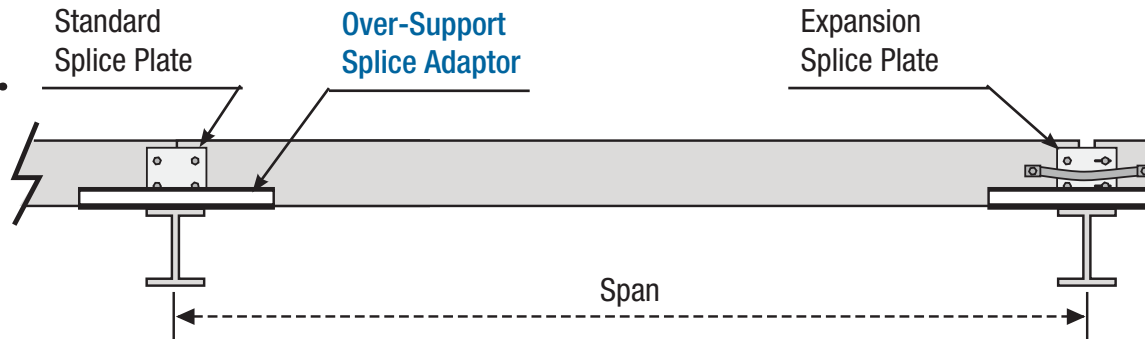
Supports should be located within 2 feet of each side of expansion splice plates.



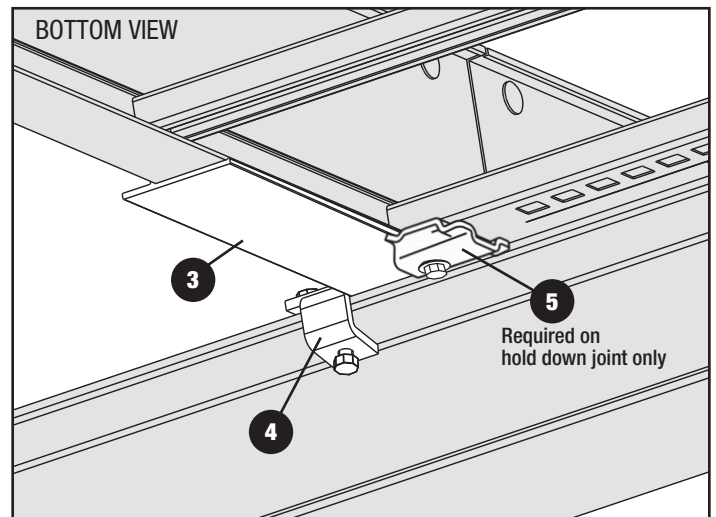
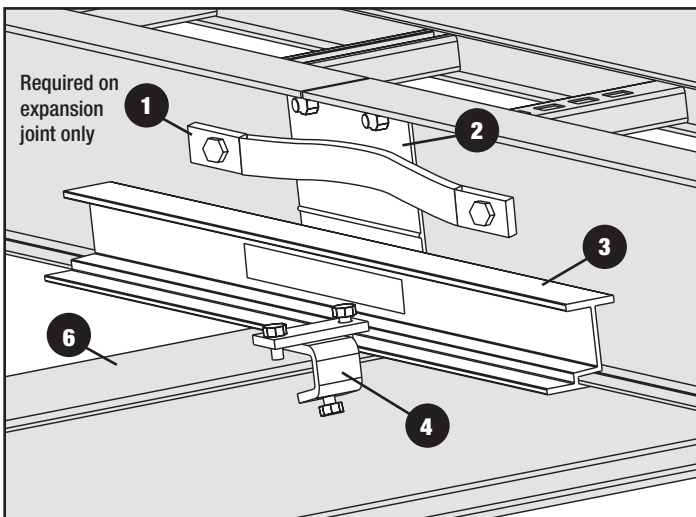
T&B Over-Support Installation method

Supports are placed right under the joints of the installation.

The splice adaptor allows a wider distribution of the support, therefore minimizing the stress and deflection of the assembly.

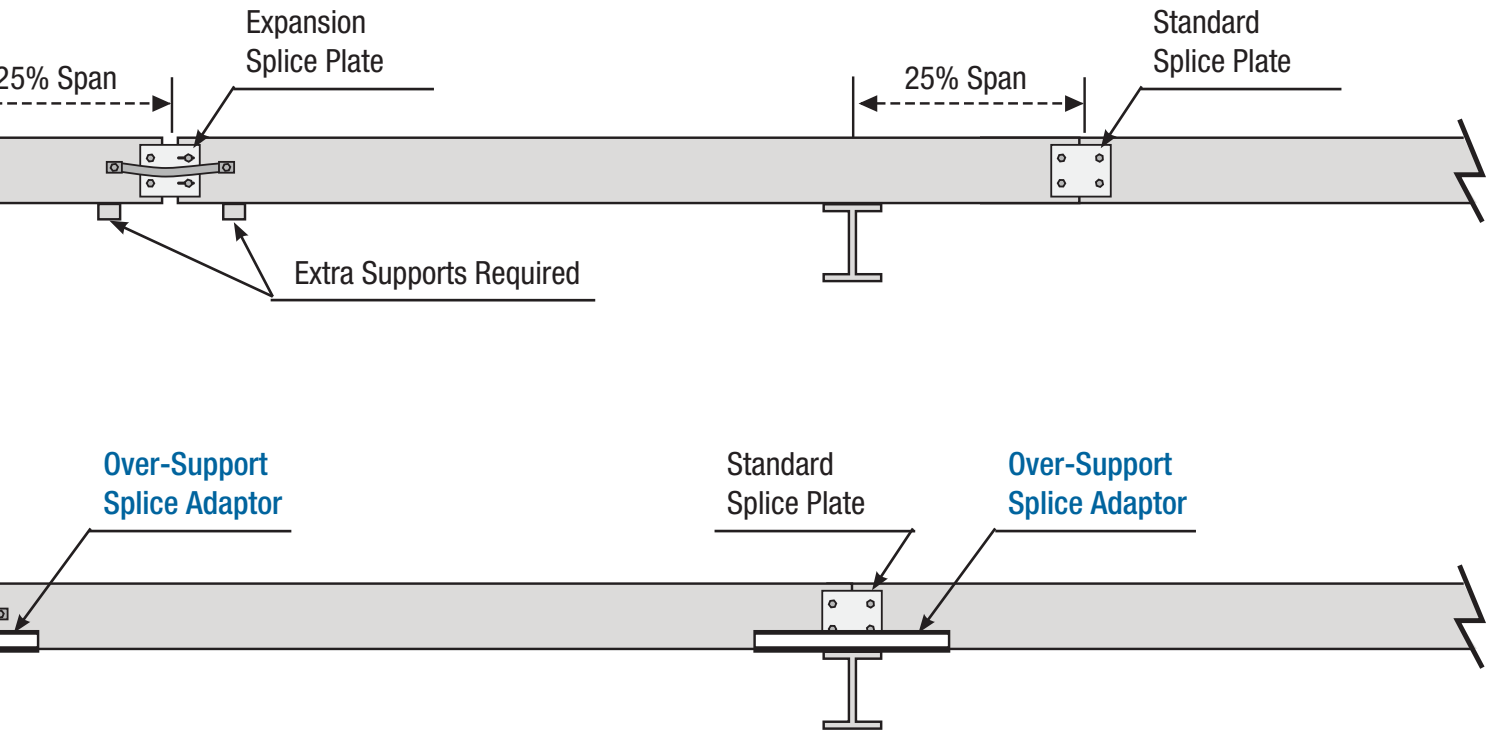


Over-Support Splice Adaptor Beam Installation – ABW46-OSS-B



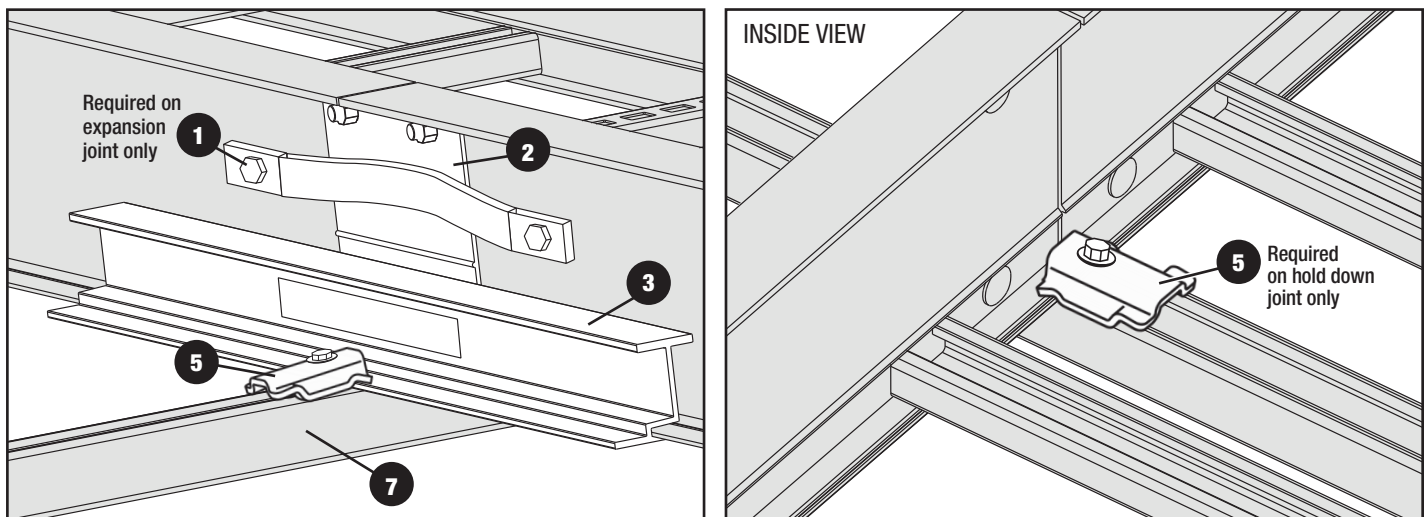
Installation Components

- | | |
|--------------------------------|---------------------------|
| 1. Bonding jumper | 5. Hold down clamp |
| 2. Splice plate | 6. Structural beam |
| 3. Over-support splice adaptor | 7. Strut (see right page) |
| 4. Beam clamp | |



NEMA VE2: Splice joints should be designed and placed so as to maximize the rigidity of the cable tray over support. Splice plates and adaptors are part of a system specifically designed for placement directly over supports.

Over-Support Splice Adaptor Strut Installation – ABW46-OSS-S



Cable Tray Installation

- For gap setting at expansion joint, refer to NEMA chart on the back cover.
- Every tray-support joint must have a pair of over-support splice adaptors (both standard splices and expansion splices).

ABW46-OSS-B

Over-Support Splice Adaptor – Beam Installation

Expansion over support beam 29 in.	2
SHWCTC, Heavy-duty hold down clamp (complete with mounting hardware)	2
ABWCHGC, Combination Hold Down / Expansion Guide Clamp	2
E142-3/8X100EG, 3/8 in. – 16 x 1 in. hex cap screws	2
AC100-3/8EGC, 3/8 in. strut nut	2

NOTE: Every expansion joint requires the use of a bonding jumper such as FBD16-1 (16 in., 600 A)

ABW46-OSS-S

Over-Support Splice Adaptor – Strut Installation

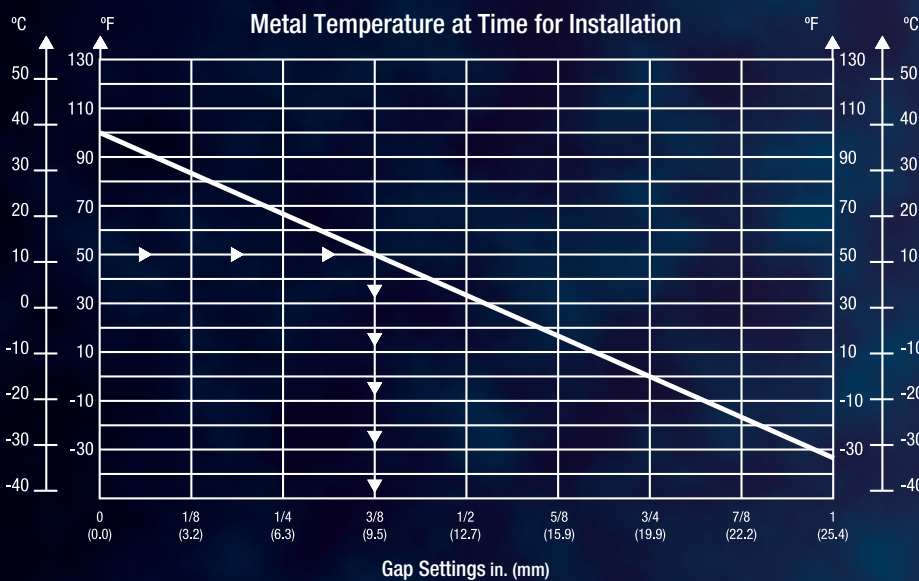
Expansion over support beam 29 in.	2
ABWCHGC, Combination Hold Down / Expansion Guide Clamp	4
E142-3/8X100EG, 3/8 in. – 16 x 1 in. hex cap screws	4
AC100-3/8EGC, 3/8 in. strut nut	4

NOTE: Every expansion joint requires the use of a bonding jumper such as FBD16-1 (16 in., 600 A)

Over-Support Splice Adaptor – Safe Working Load

Cable Tray Series	Safe Load Rating When Used with ABW46-OSS at 20-ft. Span
AH36	80 lb./ft.
AH46	100 lb./ft.
AH56	120 lb./ft.
AH66	165 lb./ft.

Expansion Plate Gap Chart



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Thomas & Betts Limited
 Tel.: (902) 450-1307
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Quebec
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