



**NOTE:**

1. FIELD TO SET "D" DIMENSION IN ACCORDANCE WITH AMBIENT TEMPERATURE AT TIME OF INSTALLATION.
2. EXPANSION JOINT ASSEMBLY COMPLETE WITH ALL NECESSARY BOLTS, NUTS, AND CAPTIVE LOCK WASHERS.
3. EXPANSION JOINTS TO BE LOCATED AS PER DESIGN ENGINEER'S REQUIREMENTS.
4. SPACE S-BT STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS SHALL BE USED PER STRUT SECTION.
5. S-BT STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

AMBIENT TEMP.	"D" DIM. INCHES
110°F	1/16
90°F	3/8
70°F	3/4
50°F	1-1/8
30°F	1-1/2

No.	Unit Qty	Unit	Description	Box Qty	# Boxes Needed	Item No.
1	AS REQ'D	-	CABLE TRAY, SEE PLANS FOR TYPE (BY OTHERS)	-	-	-
2	1	-	EXPANSION CONNECTOR, (PAIR) (BY OTHERS)	-	-	-
3	1	-	BONDING JUMPER, 800 AMP (BY OTHERS)	-	-	-
4	4	-	3/8"-16 x 3/4" CADMIUM PLATED MACHINE BOLT W/NUT (BY OTHERS)	-	-	-
5	4	-	3/8" CADMIUM PLATED LOCKWASHER (BY OTHERS)	-	-	-
6	4	-	CABLE TRAY CLIP ASSEMBLY (BY OTHERS)	-	-	-
7	AS REQ'D	EA	STRUT HS-158-12/HDG 10'	1	AS REQ'D	407570
8	AS REQ'D	EA	S-BT-MR W10/15 SN6 STUD	100	AS REQ'D	2140741
9	AS REQ'D	EA	HILTI SERRATED FLANGE NUT	100	AS REQ'D	*

\* S-BT-MR W10/15 SN6 PACKAGE INCLUDES SERRATED FLANGE NUTS



Information and loads are recommendations for static application, and based on the published data in the Hilti Technical Guide (including allowable load values, factors of safety, methods of calculation and limiting factors). The responsible project engineer must verify suitability for any specific application. Modification to design may alter performance and should be evaluated by engineer of record.

Drawn: HAM/JGB Developer: RPB

Date: 23 NOV 2016

Project: DETAILS FOR ELECTRICAL ENGINEERS

Description: CABLE TRAY EXPANSION GUIDE ASSEMBLY/STRUT TO STEEL WITH S-BT

Drawing No. 12-122-01

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