

4,5
FIELD DRILL 7/16"
HOLE FOR BONDING
JUMPER (TYP. 2)

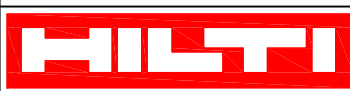
VIEW X
FASTEN STRUT TO
STEEL WITH X-BT STUD
(SEE NOTE 4)

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 POWDER-ACTUATED STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS SHALL BE USED PER STRUT SECTION.
5. POWDER-ACTUATED 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	X-BTW10-24-6 SN12-R	100	AS REQ'D	377076
9	AS REQ'D	EA	HEX NUT STANDARD 3/8" SS316	100	AS REQ'D	411775
10	AS REQ'D	EA	WASHER 3/8" SS316	200	AS REQ'D	411780
11	AS REQ'D	EA	HELICAL SPRING LOCK WASHER 3/8" SS316	-	AS REQ'D	-



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	Developer
HAM/JGB	RPB
Date	
25 JUN 12	
Drawing No.	
12-122-01	
Index	Sheet
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Project
DETAILS FOR ELECTRICAL ENGINEERS

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

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