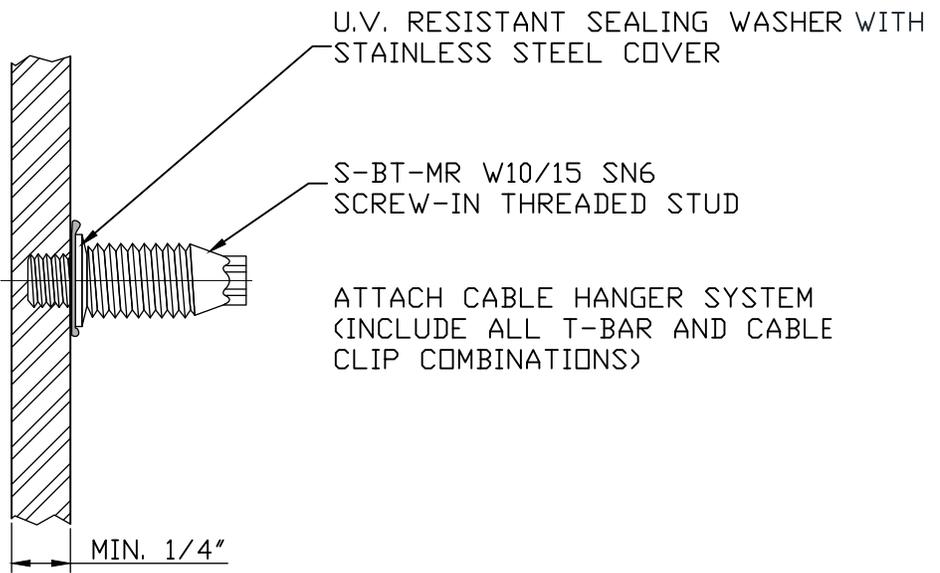
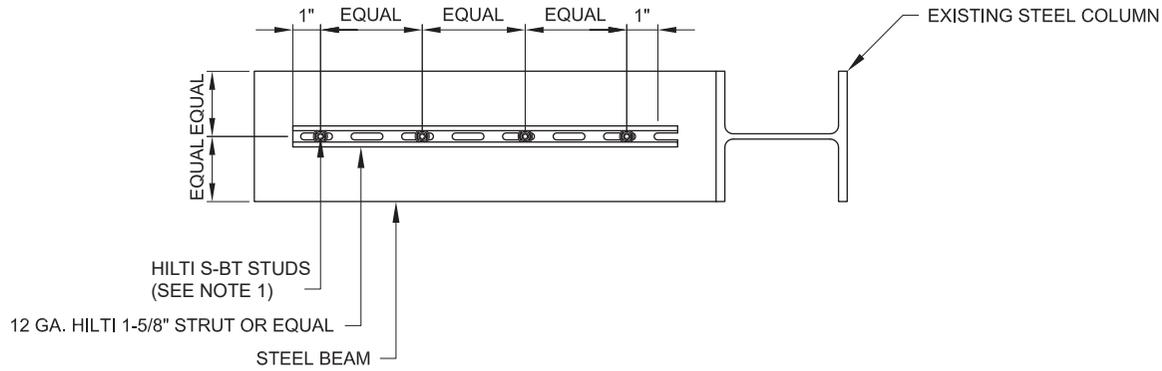


X-BT W10-24-6-R POWDER
ACTUATED STUD

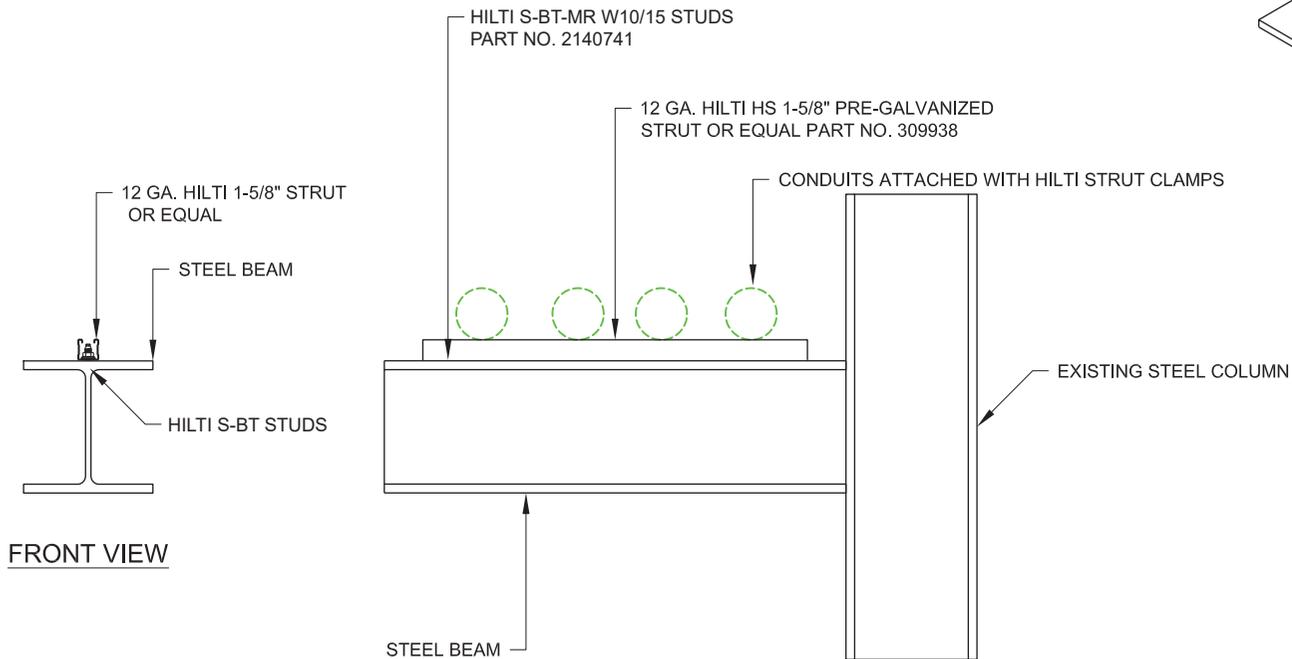
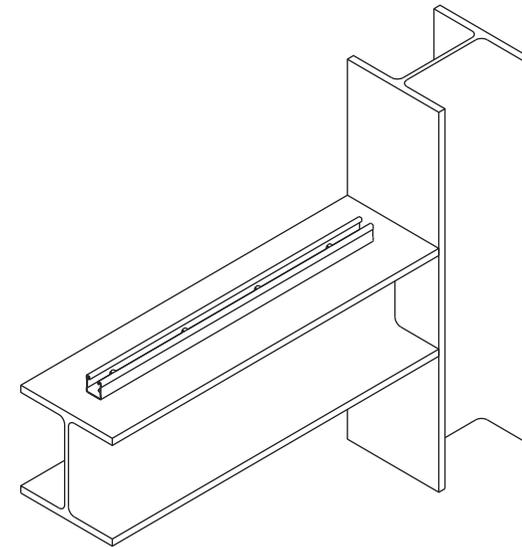
ATTACH CABLE HANGER SYSTEM
(INCLUDE ALL T-BAR AND CABLE
CLIP COMBINATIONS)

MIN. 5/16"

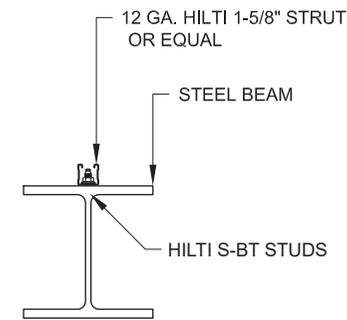




PLAN VIEW



SIDE VIEW



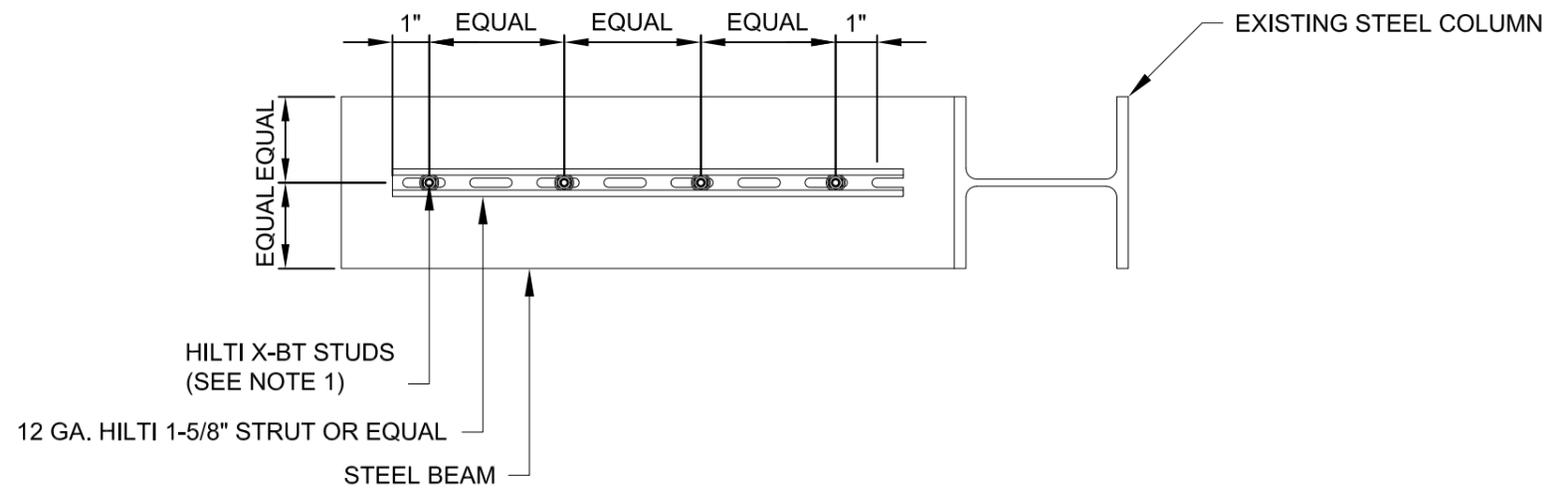
FRONT VIEW

- NOTE:**
1. SPACE HILTI S-BT STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION
 2. HILTI S-BT STUDS SHALL BE INSTALLED PER HILTI INSZALLATION INSTRUCTIONS.

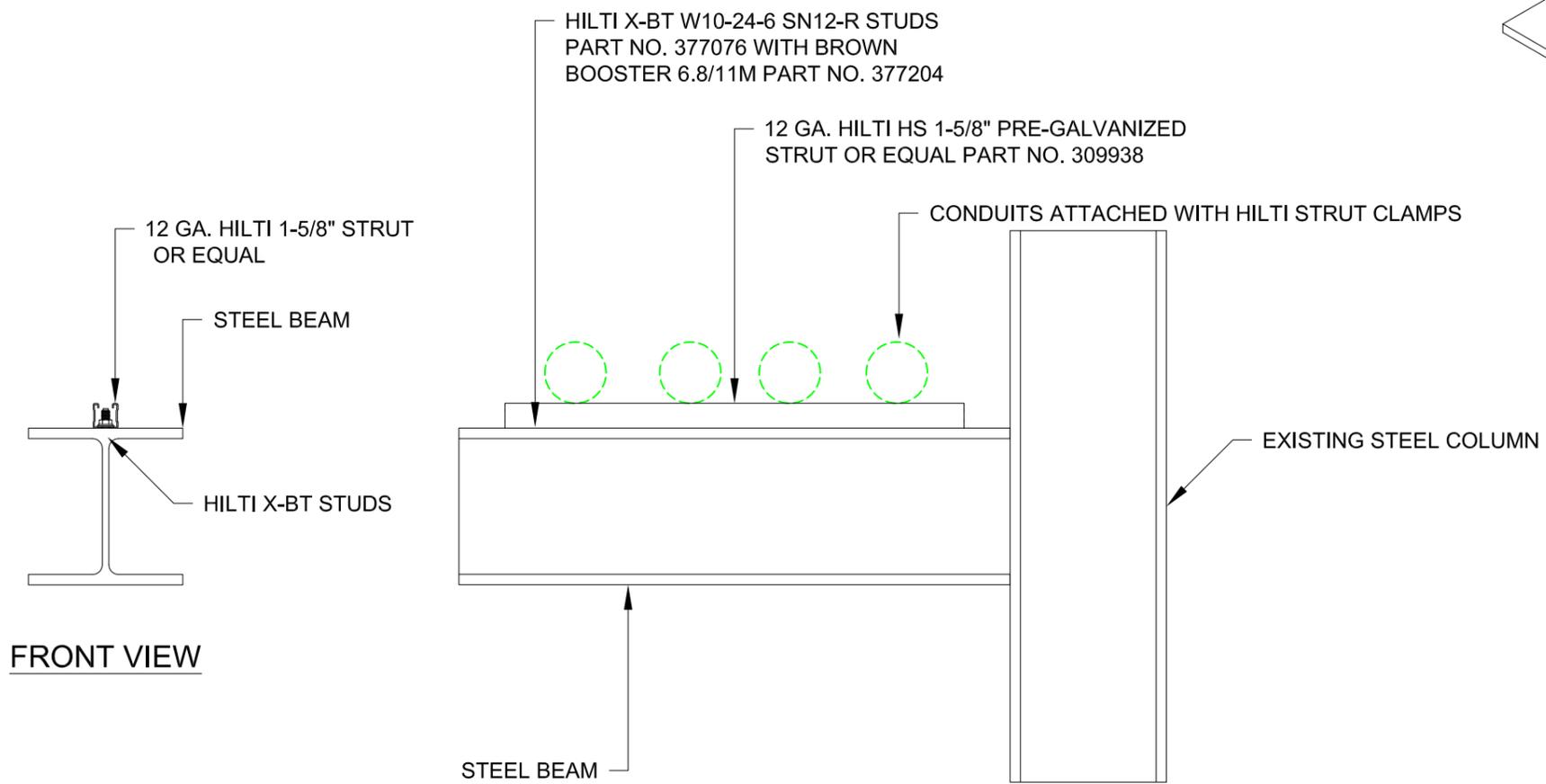
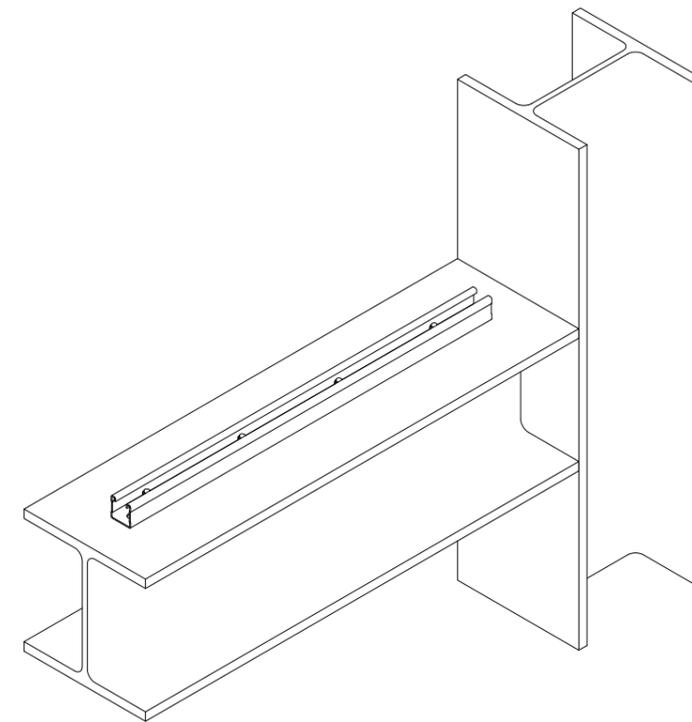


Information and loads are recommendations for static application, and based on the published data in the Hilti Technical Guide (including allowable load values, factors of safety, methods of calculation and limiting factors). The responsible project engineer must verify suitability for any specific application.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

Project	DESCRIPTION	Drawn	Developer
DETAILS FOR ELECTRICAL ENGINEERS	STRUT ATTACHED BY HILTI S-BT STUDS FOR CONDUIT INSTALLATION	HAM/JGB	RPB
		Date	21 NOV 2016
		Drawing No.	12-122-05
		Index	F
		Sheet	1/1



PLAN VIEW



FRONT VIEW

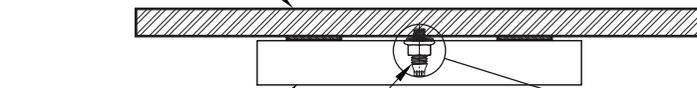
SIDE VIEW

- NOTE:**
1. SPACE POWDER-ACTUATED STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION.
 2. POWDER-ACTUATED STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

	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
	Project DETAILS FOR ELECTRICAL ENGINEERS		Date 25 JUN 12	
Description STRUT ATTACHED BY HILTI X-BT STUDS FOR CONDUIT INSTALLATION		Drawing No. 12-122-05		
		Index F	Sheet 1/1	

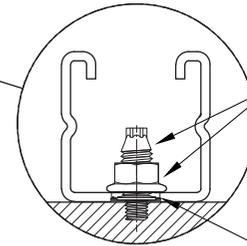
STRUT FASTEN TO BOTTOM FLANGE (OVERHEAD)

ASTM A36 OR ASTM A572 GRADE 50 STEEL $T \geq 1/4$ IN.*



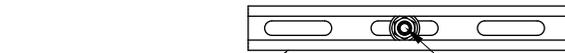
HILTI HS-158 STRUT

Hilti S-BT-MR W10/15 SN6 SCREW-IN
THREADED STUD WITH HILTI
STAINLESS STEEL SERRATED FLANGE NUT**



Hilti S-BT-MR W10/15 SN6 SCREW-IN
THREADED STUD WITH HILTI
STAINLESS STEEL SERRATED FLANGE NUT**

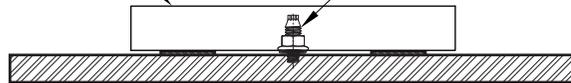
U.V. RESISTANT SEALING
WASHER WITH STAINLESS
STEEL COVER



HILTI HS-158 STRUT

Hilti S-BT-MR W10/15 SN6 SCREW-IN
THREADED STUD WITH HILTI
STAINLESS STEEL SERRATED FLANGE NUT**

HILTI HS-158 STRUT



ASTM A36 OR ASTM A572 GRADE 50 STEEL $T \geq 1/4$ IN.*

STRUT FASTEN TO TOP FLANGE

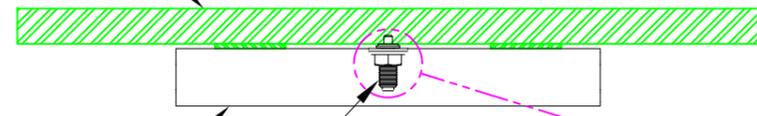
NOTE:

1. SPACE S-BT STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION.
 2. S-BT STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.
 3. S-BT STUDS SHALL BE INSTALLED AT CENTERLINE OF OPEN FULL SLOT.
- * CONTACT HILTI ENGINEERING FOR THINNER BASE MATERIAL
 ** 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
		Project DETAILS FOR ELECTRICAL ENGINEERS		Date 23 NOV 2016	
Description STRUT FASTENED WITH S-BT TO BOTTOM/TOP FLANGE		Drawing No. 12-122-04		Index E	
				Sheet 1/1	

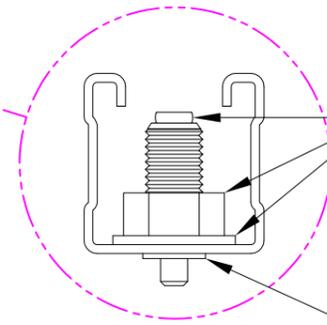
STRUT FASTEN TO BOTTOM FLANGE (OVERHEAD)

ASTM A36 OR ASTM A572 GRADE 50 STEEL; T ≥ 5/16 IN.*



HILTI HS-158 STRUT

HILTI X-BTW10-24-6 SN12R
POWDER-ACTUATED THREADED STUD WITH STAINLESS STEEL FLAT WASHER (ASTM A240 TYPE 316), HELICAL SPRING LOCK WASHER AND HEX NUT (ASTM F594)



HILTI X-BTW10-24-6 SN12R
POWDER-ACTUATED THREADED STUD WITH STAINLESS STEEL FLAT WASHER (ASTM A240 TYPE 316), HELICAL SPRING LOCK WASHER AND HEX NUT (ASTM F594)

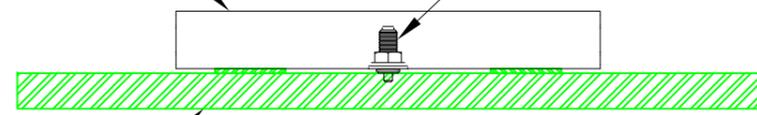
U.V. RESISTANT SEALING WASHER WITH STAINLESS STEEL COVER

HILTI HS-158 STRUT



HILTI X-BTW10-24-6 SN12R POWDER-ACTUATED THREADED STUD WITH STAINLESS STEEL FLAT WASHER (ASTM A240 TYPE 316), HELICAL SPRING LOCK WASHER AND HEX NUT (ASTM F594)

HILTI HS-158 STRUT



ASTM A36 OR ASTM A572 GRADE 50 STEEL; T ≥ 5/16 IN.*

STRUT FASTEN TO TOP FLANGE

- NOTE:**
1. SPACE POWDER-ACTUATED STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION.
 2. POWDER-ACTUATED STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.
 3. POWDER-ACTUATED STUDS SHALL BE INSTALLED AT CENTERLINE OF OPEN FULL SLOT.
- * CONTACT HILTI ENGINEERING FOR THINNER BASE MATERIAL

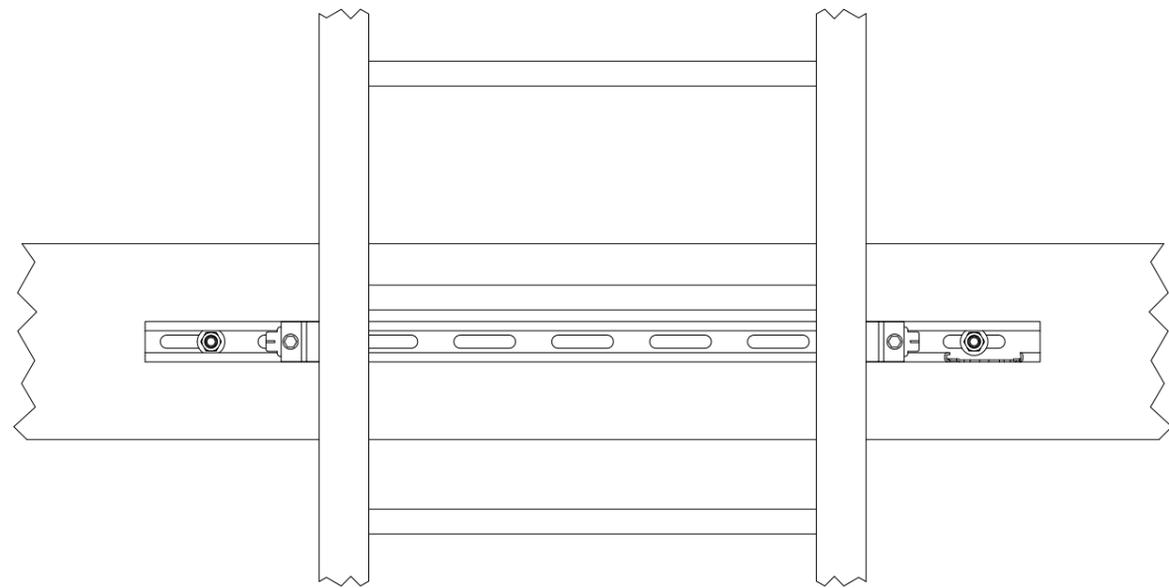


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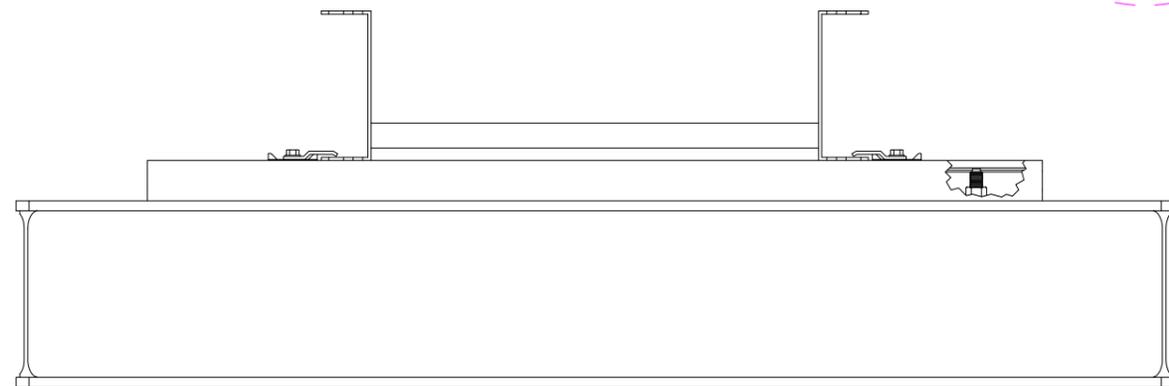
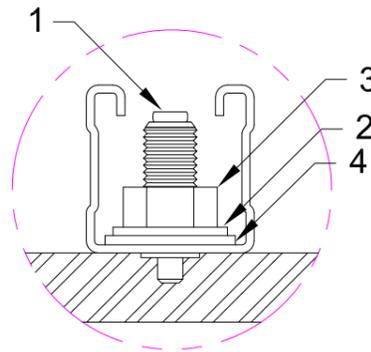
Drawn	HAM/JGB	Developer	RPB
Date	25 JUN 12	Drawing No.	12-122-04
Index	E	Sheet	1/1

Project: DETAILS FOR ELECTRICAL ENGINEERS

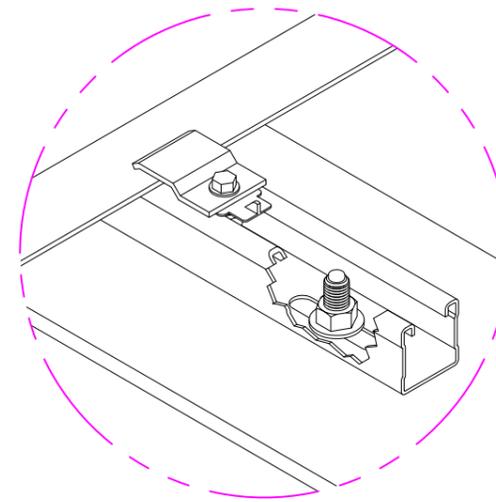
Description: STRUT FASTENED TO BOTTOM/TOP FLANGE



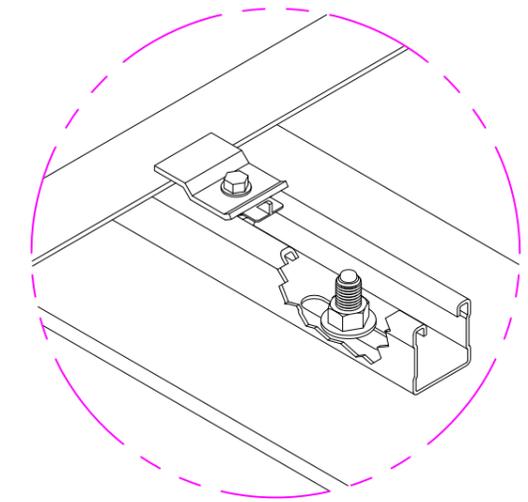
PLAN VIEW



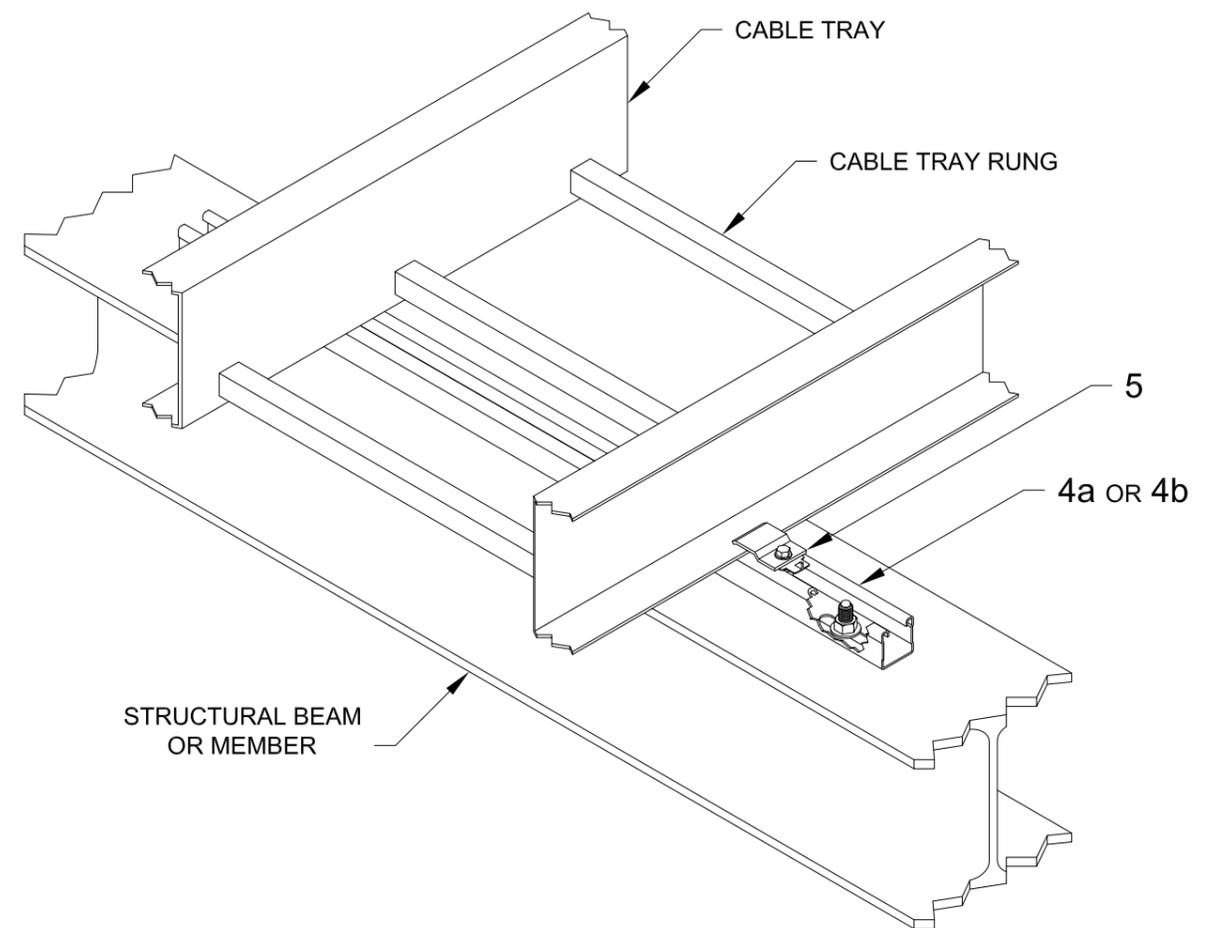
FRONT ELEVATION



HOLD DOWN CLIP



EXPANSION GUIDE CLIP



No.	Unit Qty	Unit	Description	Box Qty	# Boxes Needed	Item No.
1	AS REQ'D	EA	X-BTW10-24-6 SN12-R	100	AS REQ'D	377076
2	AS REQ'D	EA	WASHER 3/8" SS316	200	AS REQ'D	411780
3	AS REQ'D	EA	HEX NUT STANDARD 3/8" SS316	100	AS REQ'D	411775
4	AS REQ'D	EA	HELICAL SPRING LOCK WASHER 3/8" SS 316	-	AS REQ'D	-
5a	AS REQ'D	EA	STRUT HS-158-12/HDG 10'	1	AS REQ'D	407570
5b	AS REQ'D	EA	STRUT MS-158-12/ SS316TI 9'-10" (3M)	1	AS REQ'D	3424527
6	AS REQ'D	EA	CABLE TRAY CLIP ASSEMBLY (BY OTHERS)	-	AS REQ'D	-

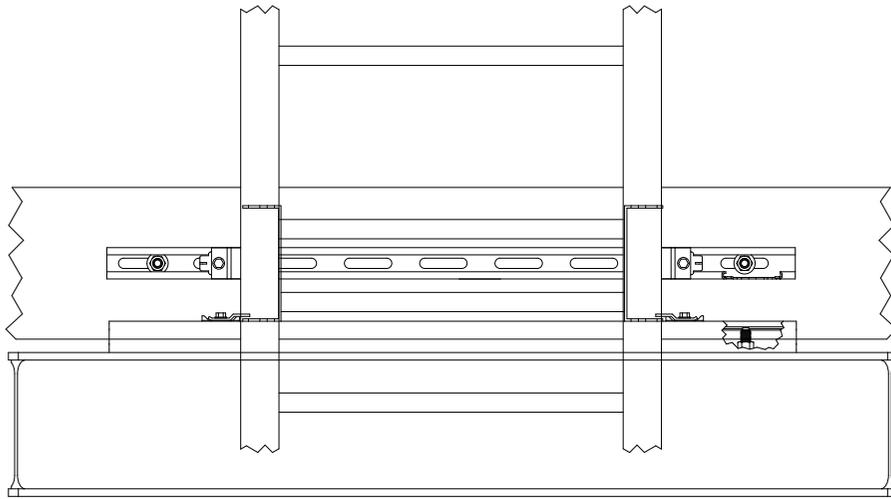
NOTE:

1. SPACE POWDER-ACTUATED STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION.
2. POWDER-ACTUATED STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

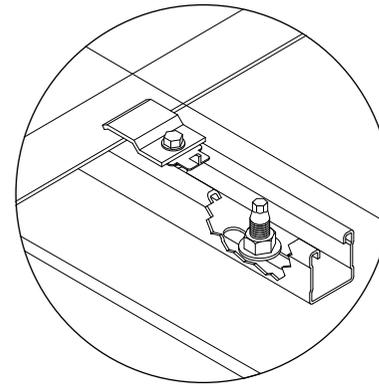


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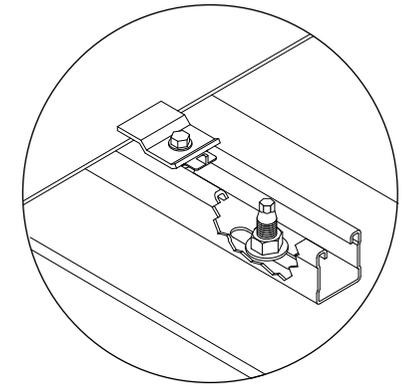
Project	DESCRIPTION	Drawn	Developer
	DETAILS FOR ELECTRICAL ENGINEERS	HAM/JGB	RPB
		Date	25 JUN 12
		Drawing No.	12-122-02
		Index	Sheet
		E	1/1



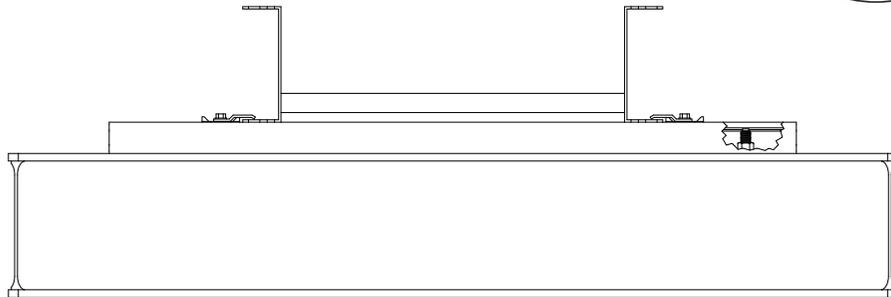
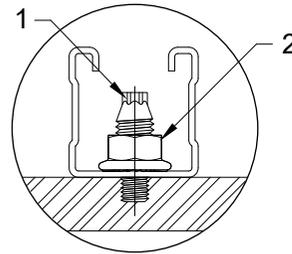
PLAN VIEW



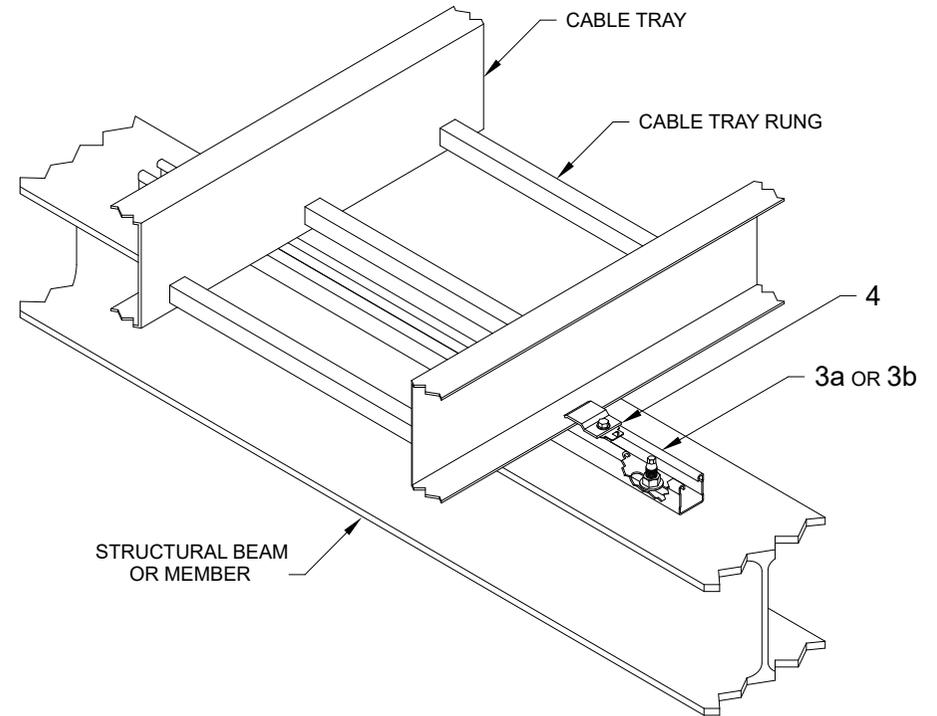
HOLD DOWN CLIP



EXPANSION GUIDE CLIP



FRONT ELEVATION



No.	Unit Qty	Unit	Description	Box Qty	# Boxes Needed	Item No.
1	AS REQ'D	EA	S-BT-MR W10/15 SN6 STUD	100	AS REQ'D	2140741
2	AS REQ'D	EA	HILTI SERRATED FLANGE NUT	100	AS REQ'D	*
3a	AS REQ'D	EA	STRUT HS-158-12/HDG 10'	1	AS REQ'D	407570
3b	AS REQ'D	EA	STRUT MS-158-12/ SS316TI 9'-10" (3M)	1	AS REQ'D	3424527
4	AS REQ'D	EA	CABLE TRAY CLIP ASSEMBLY (BY OTHERS)	-	AS REQ'D	-

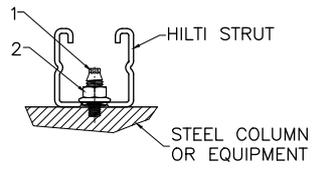
* S-BT-MR W10/15 SN6 PACKAGE INCLUDES SERRATED FLANGE NUTS

NOTE:

1. SPACE HILTI S-BT STUDS ACCORDINGLY TO ACCOMMODATE DESIGN LOADS. MINIMUM OF TWO STUDS PER STRUT SECTION.
2. HILTI S-BT STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

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		Date 21 NOV 2016	Drawing No. 12-122-02
Project DETAILS FOR ELECTRICAL ENGINEERS	Description STRUT TO STEEL WITH S-BT FOR CABLE TRAY	Index E	Sheet 1/1

HILTI S-BT STRUT MOUNTING ASSEMBLY
FOR HIGHLY CORROSIVE ENVIRONMENTS

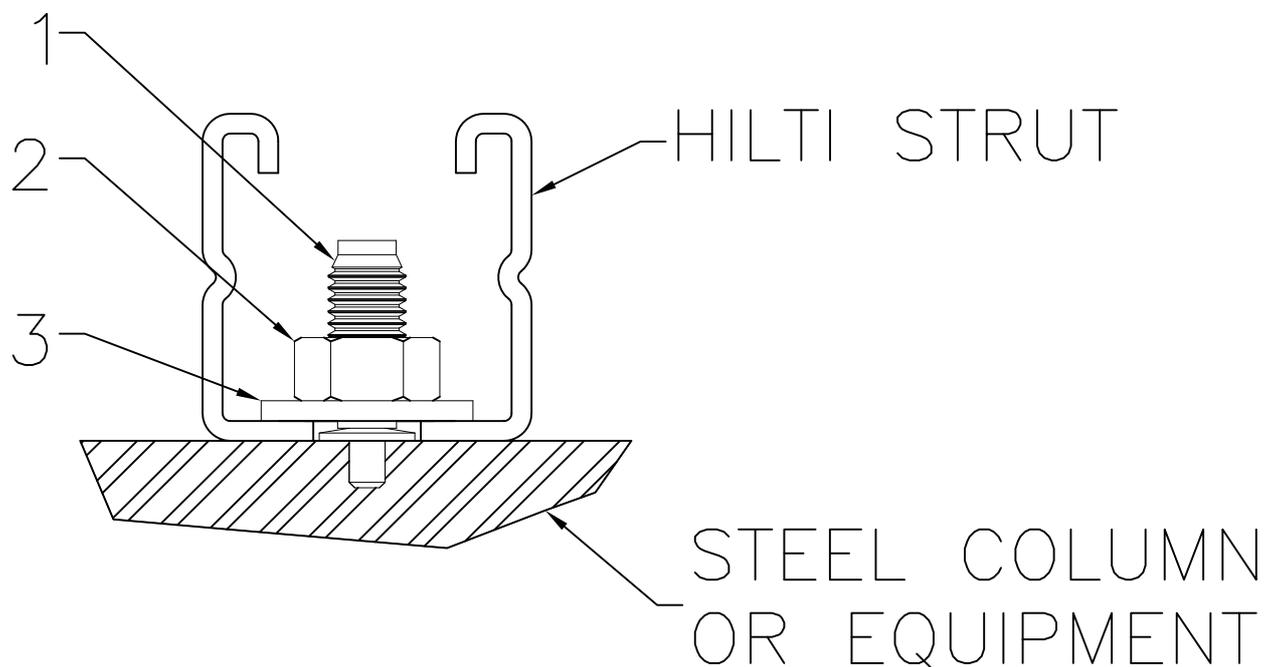


1. HILTI S-BT-MR W10/15 S-N6 STUD.

2. HILTI SERRATED FLANGE NUT *

* S-BT-MR W10/15 S-N6 STUD PACKAGE INCLUDES SERRATED FLANGES NUTS

HILTI X-BT STRUT MOUNTING ASSEMBLY FOR HIGHLY CORROSIVE ENVIRONMENTS

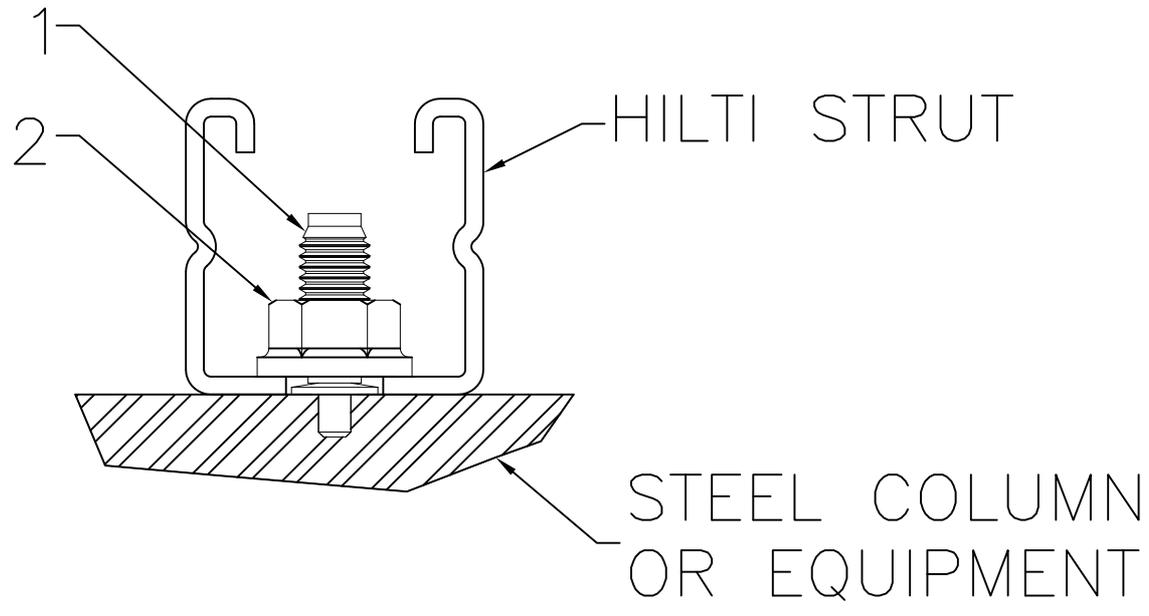


1. HILTI X-BT W10-24-6 SN12-R.

2. HEX JAM NUT 3/8-16, ALLOY GROUP 2 (316SS) ACCORDING TO ASTM F 594

3. TYPE A PLAIN WASHER ACCORDING TO ANSI B18.22.1, MATERIAL ACCORDING TO ASTM A240 TYPE 316.

HILTI X-BT-MF STRUT MOUNTING ASSEMBLY FOR MILDLY CORROSIVE ENVIRONMENTS



- 1. HILTI X-BT-MF W10/10 SN4.
- 2. W10 FLANGE NUT (INCL. WITH X-BT-MF PACKAGE).