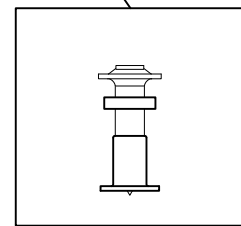
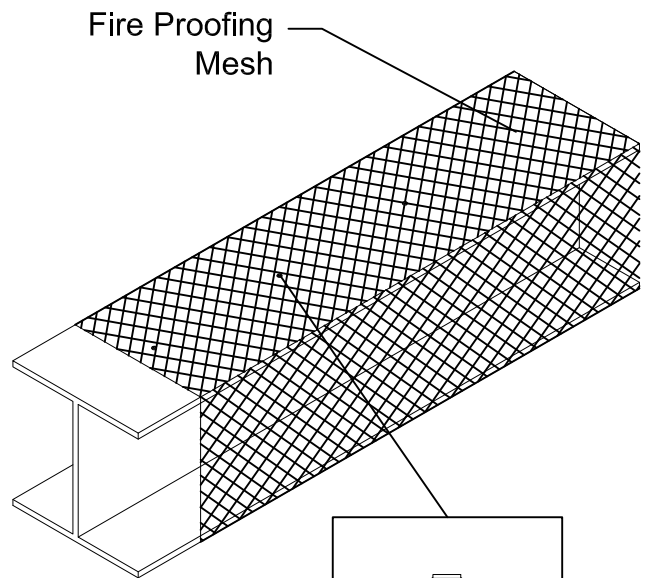


Fastened to Structural Member with Hilti X-CC Clip (See Note 1)



Fastened to Structural Member with Hilti Pins (See Note 2)

Notes:

1. Recommended Hilti Fasteners:

- **X-CC U 16 P8** (item 386228) On ASTM A36 steel with thickness of $t_{II} \geq 1/4"$
On ASTM A572 Grade 50 or A992 steel with thickness of $1/4" \leq t_{II} \leq 3/8"$
- Optional:**
- **X-CC MX** (item 228342) On ASTM A36 steel with thickness of $6\text{mm} \leq t_{II} \leq 13\text{mm}$
with **X-U 15 MXSP** (item 383466) On ASTM A572 Grade 50 or A992 steel with thickness of $1/4" \leq t_{II} \leq 5/16"$

2. Recommended Hilti Pins

- **X-U 16 P8 TH** (item 237329) On ASTM A572 Grade 50 or A992 steel with thickness of $t_{II} \geq 1/4"$

Page 34 of the 2011 Product Technical Guide will contain data on the X-U fasteners capacity into various thickness of steel.

This drawing represents a common application used on petrochemical projects in upstream or downstream to the best of Hilti knowledge. This drawing is neither a technical documentation nor an engineering judgement. Please refer to Product Technical Data of each Hilti product to check for applicable limitations.



DIRECT FASTENING SYSTEM
FOR FIRE PROOFING
REINFORCEMENT

Date: 28.09.2012
Drawing: DFFPR-02