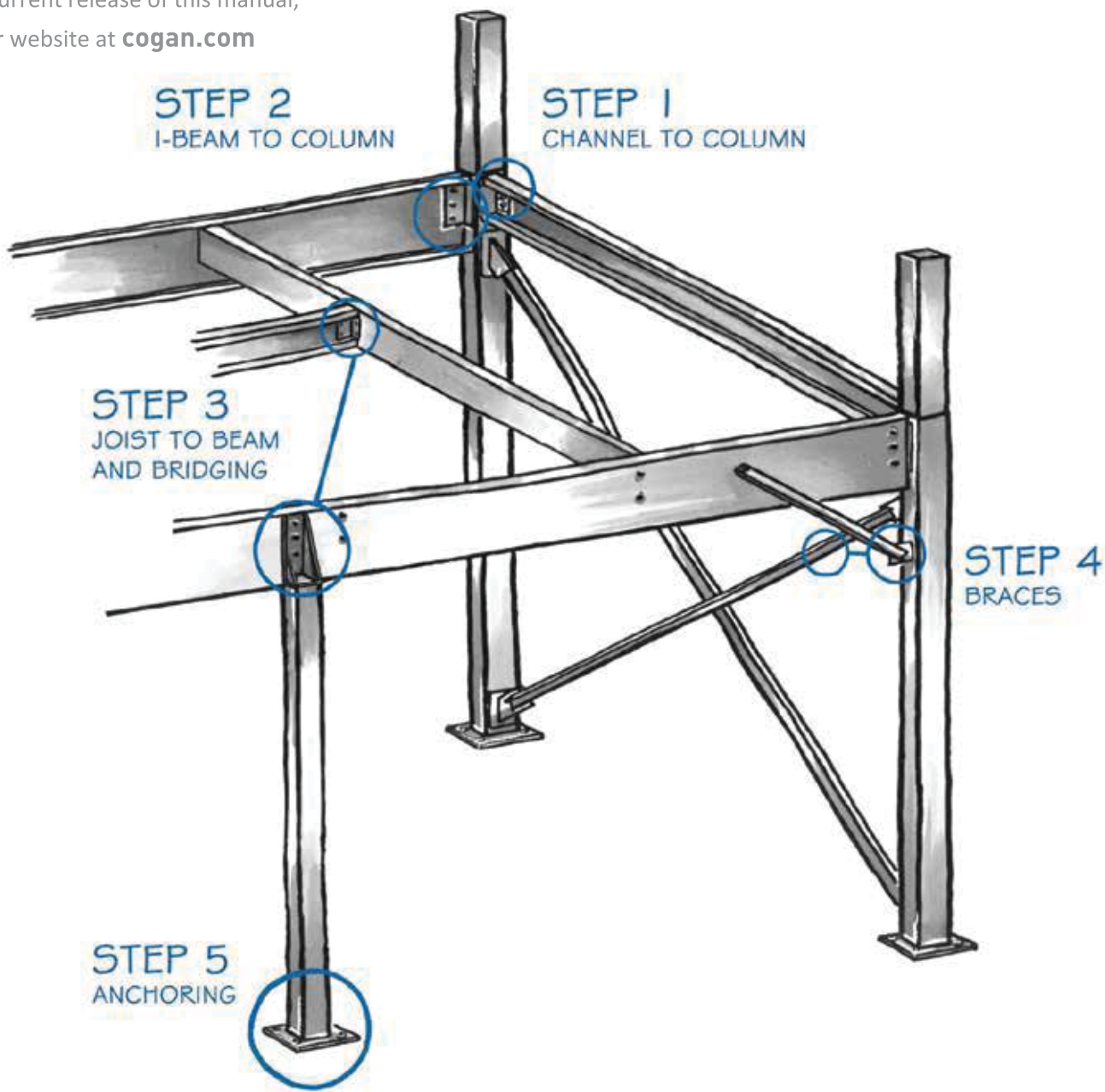


INSTALLATION MANUAL

For the most current release of this manual,
please visit our website at **cogan.com**

V.2013.2



Product	Mezzanine
Sub-product	General structure

- All bolted connections.
- Step by step assembly for columns, beams, joists, bridging and braces.
- Refer to assembly drawing for additional details to your specific structure.

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ø1/4"x1" HEX
HEAD TEK SCREW



ø5/8"x6" BOLT
(ANCHOR)



ø5/8"x2 1/4" BOLT



ø5/8"x1 3/4" BOLT



ø5/8"x1 1/2" BOLT



USE ASTM A325 STRUCTURAL BOLTS ONLY

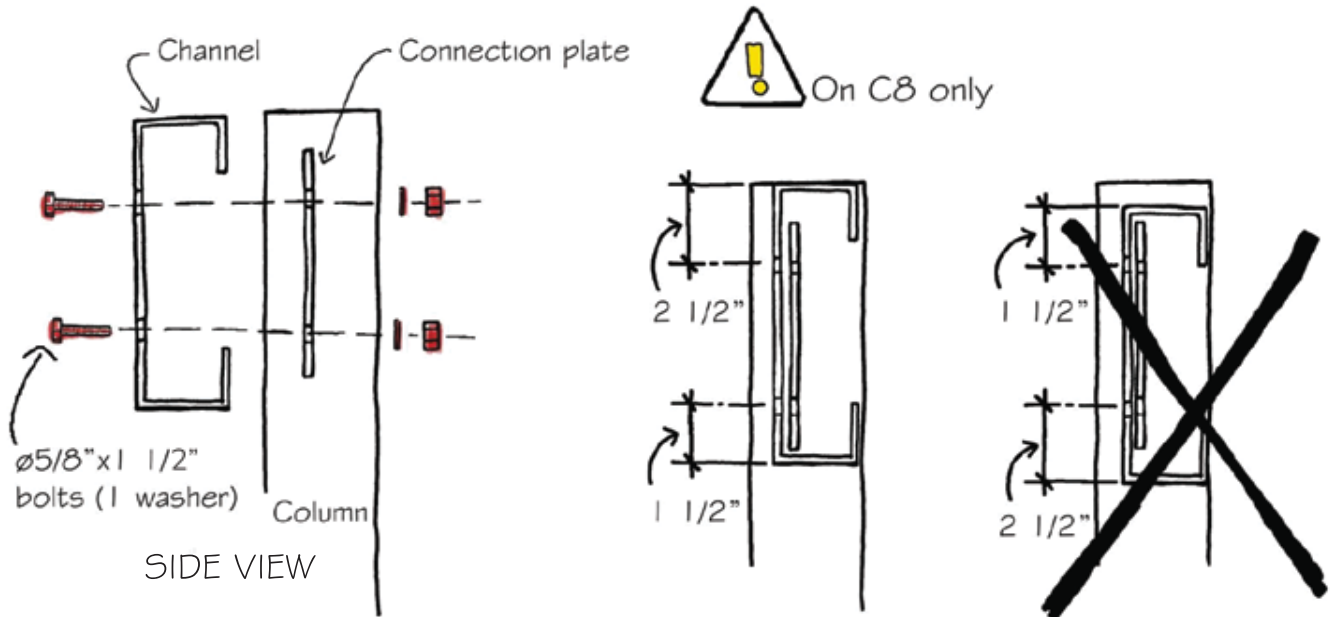
STEP 1

CHANNEL TO COLUMN CONNECTION (SINGLE CHANNEL)

C8 - C10 - C12



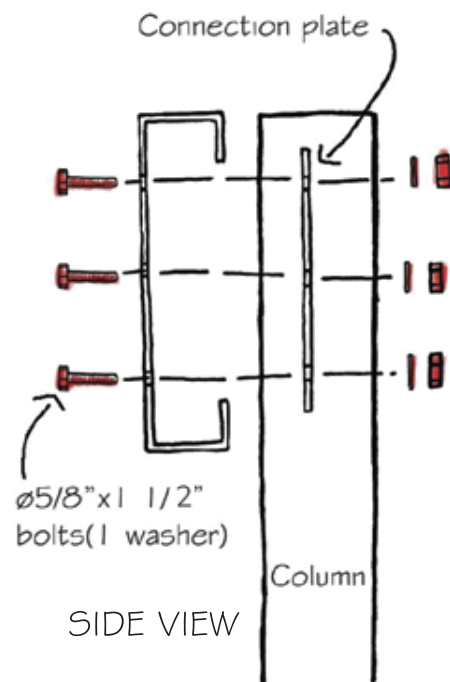
ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN



C14 - C16

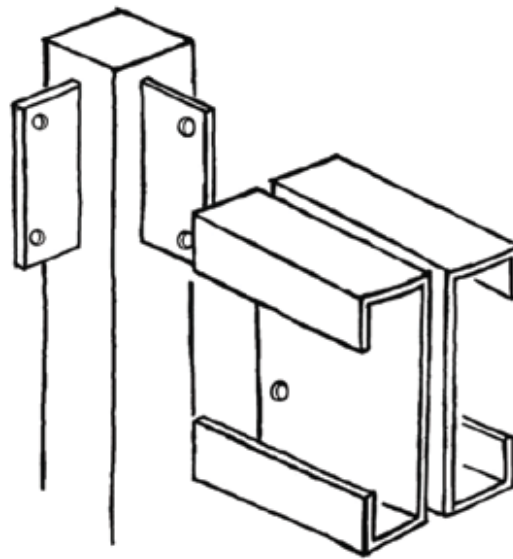
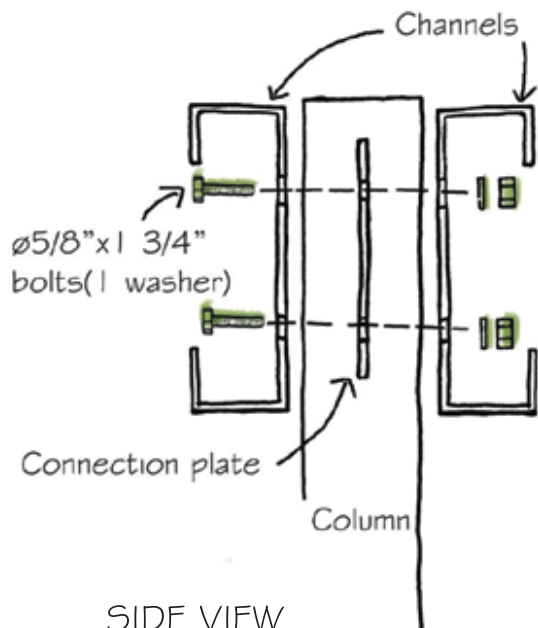


ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN



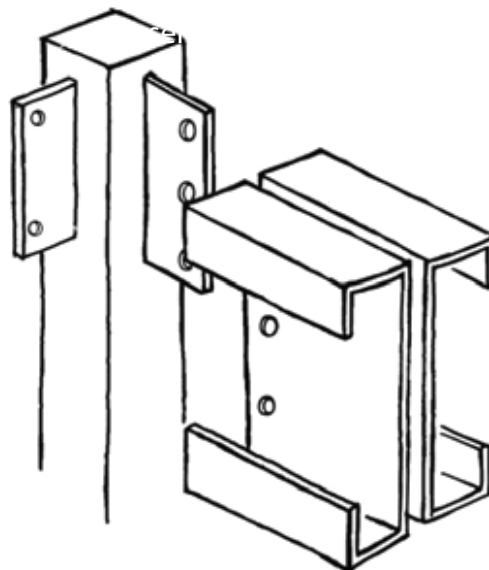
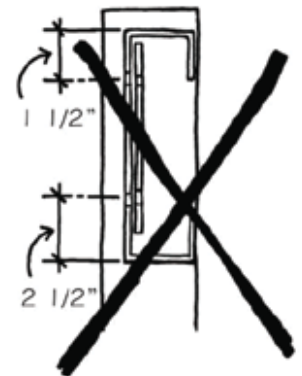
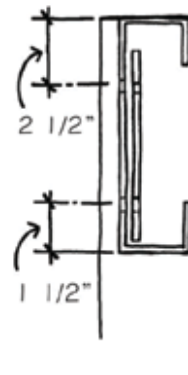
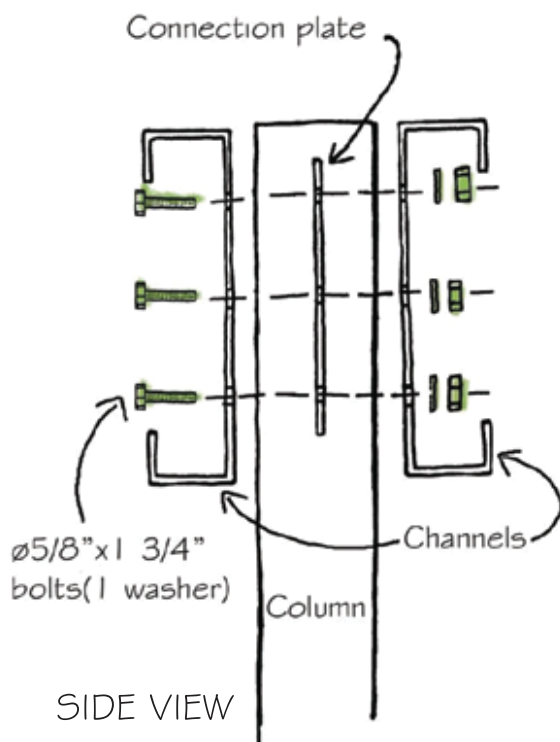
CHANNEL TO COLUMN CONNECTION (BACK TO BACK CHANNEL)

DC8 - DC10 -DC12



On C8 only

DC14 - DC16

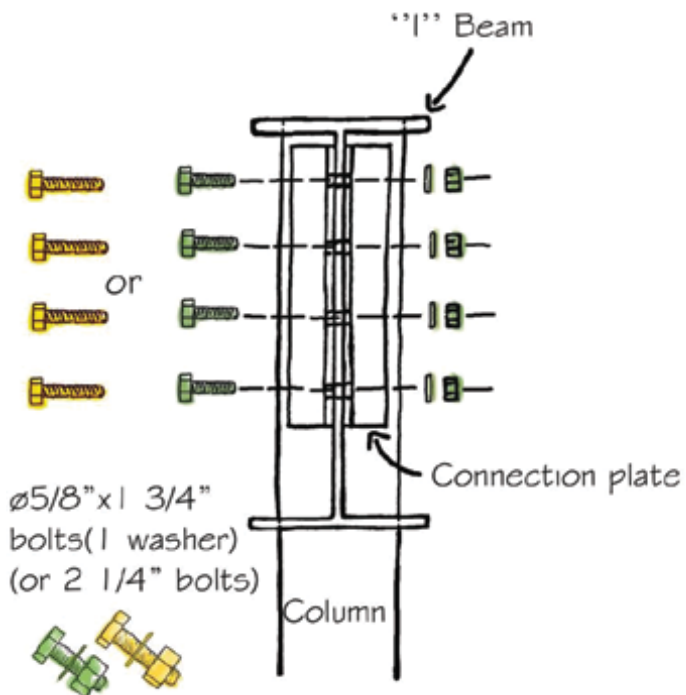


STEP 2

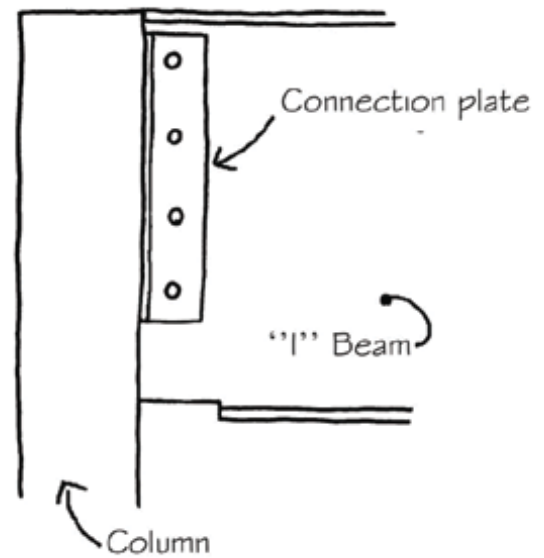
I-BEAM TO COLUMN CONNECTION (DOUBLE CONNECTION ANGLE)



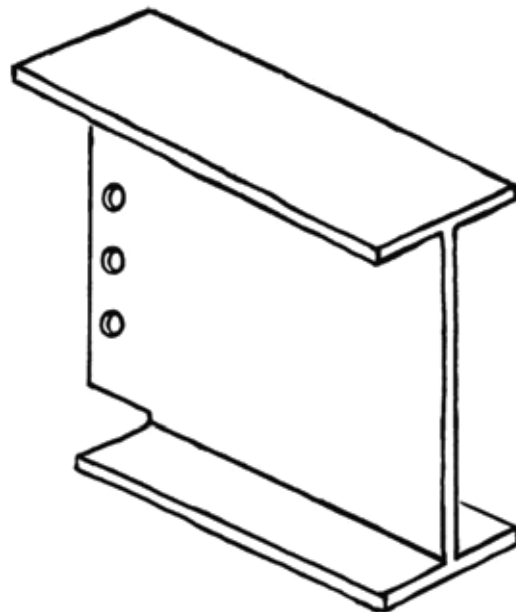
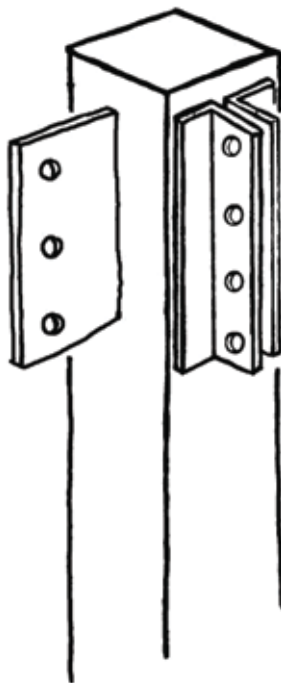
ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN



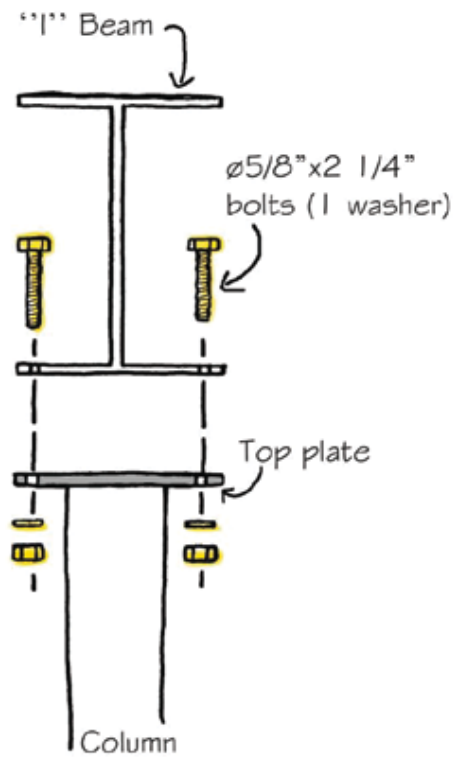
SIDE VIEW



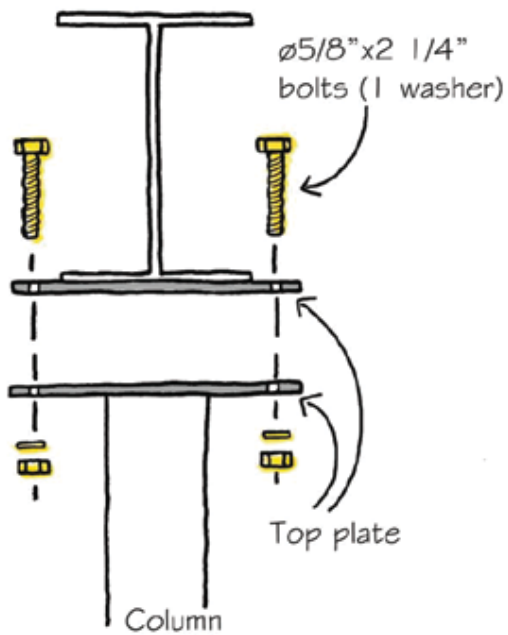
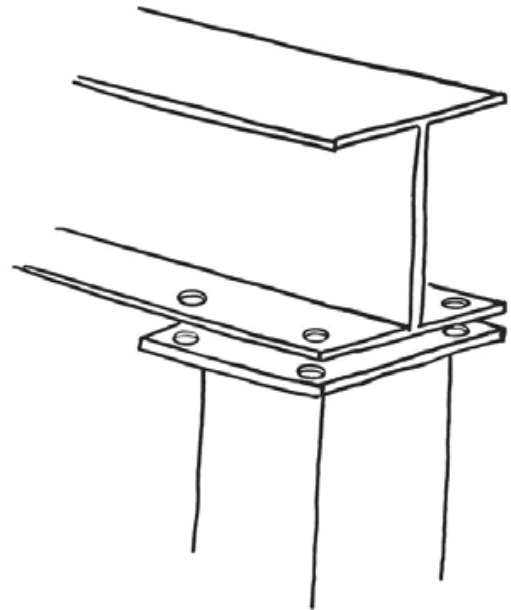
FRONT VIEW



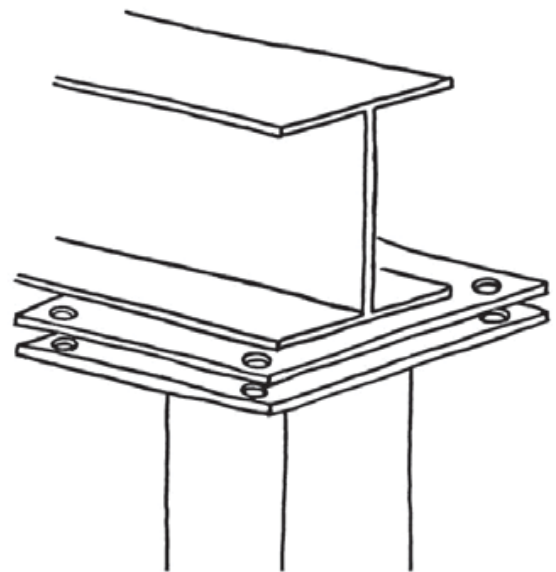
I-BEAM TO COLUMN CONNECTION (MOUNTED TO COLUMN TOP PLATE)



SIDE VIEW



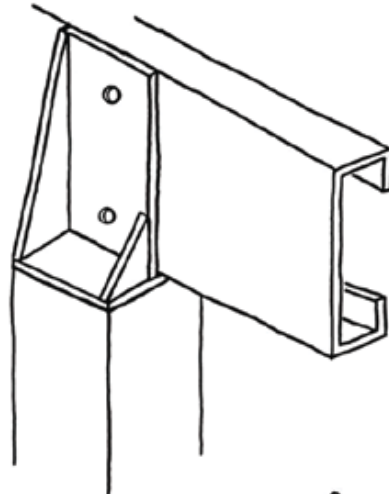
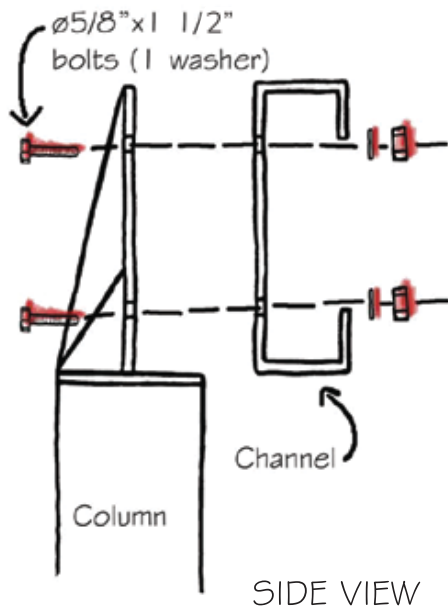
SIDE VIEW



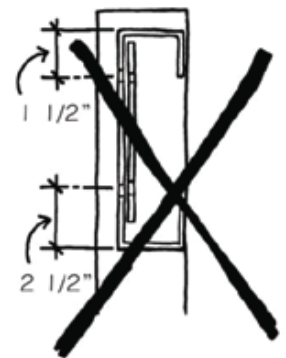
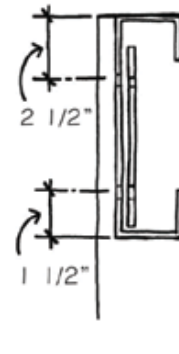
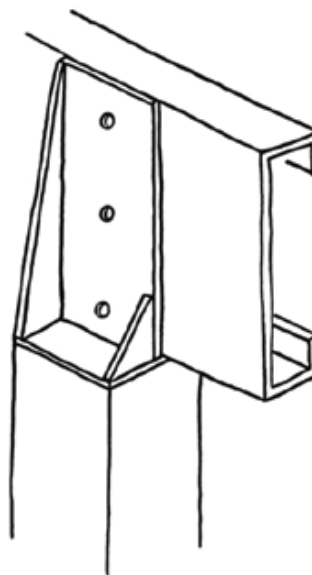
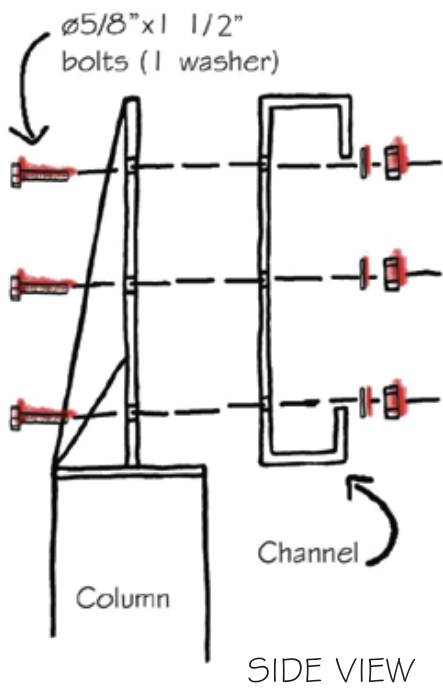
STEP 3

JOIST TO BEAM CONNECTION (CANTILEVER SINGLE CHANNEL ASSEMBLY)

C8 - C10 - C12

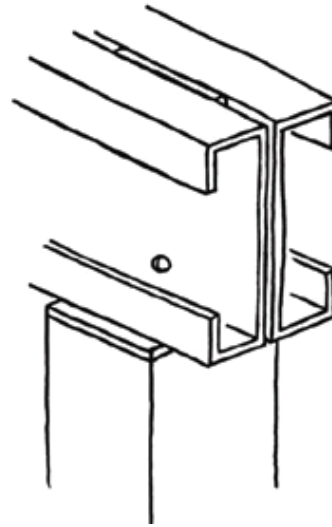
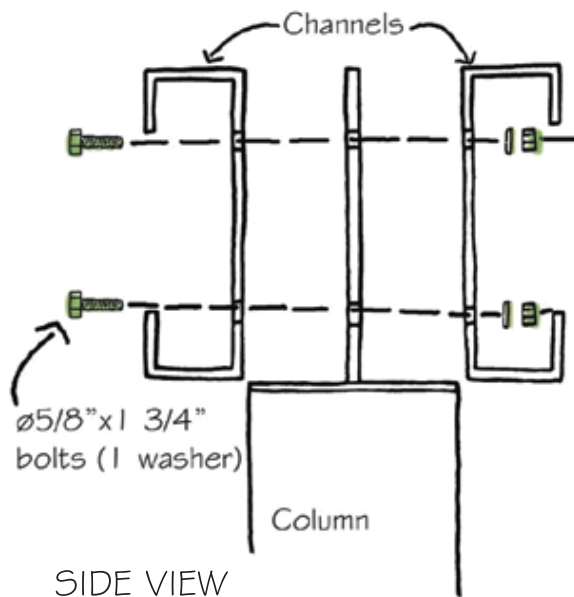


C14 - C16

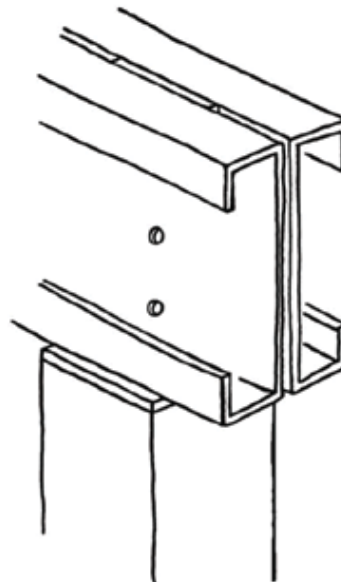
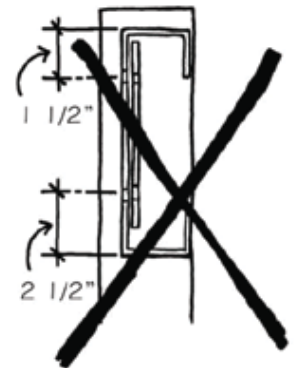
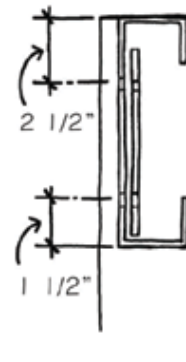
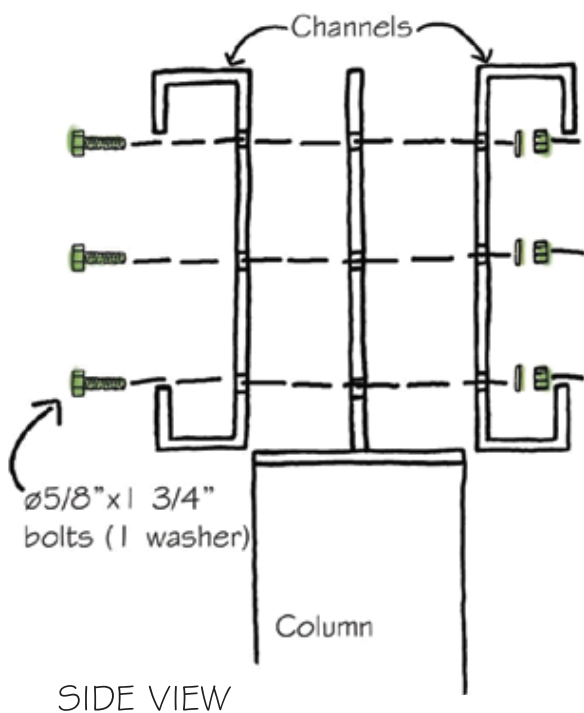


JOIST TO BEAM CONNECTION (CANTILEVER BACK TO BACK CHANNEL ASSEMBLY)

C8 - C10 - C12

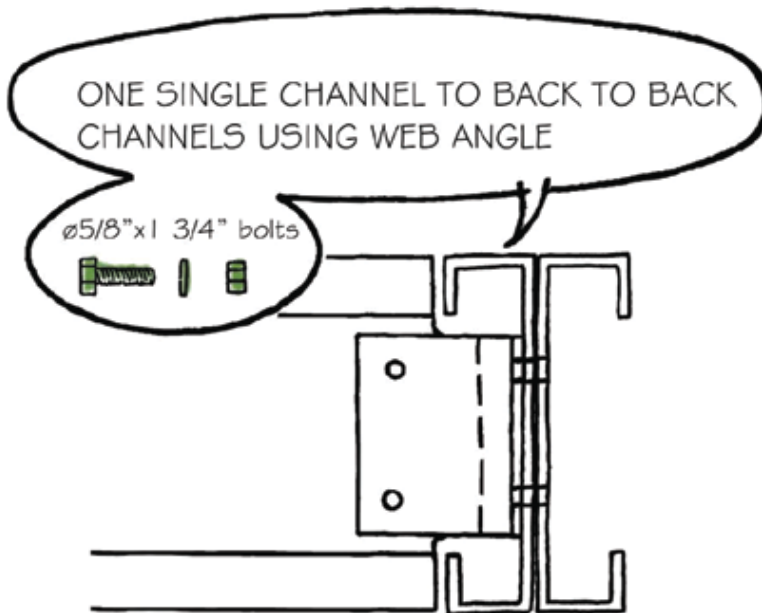
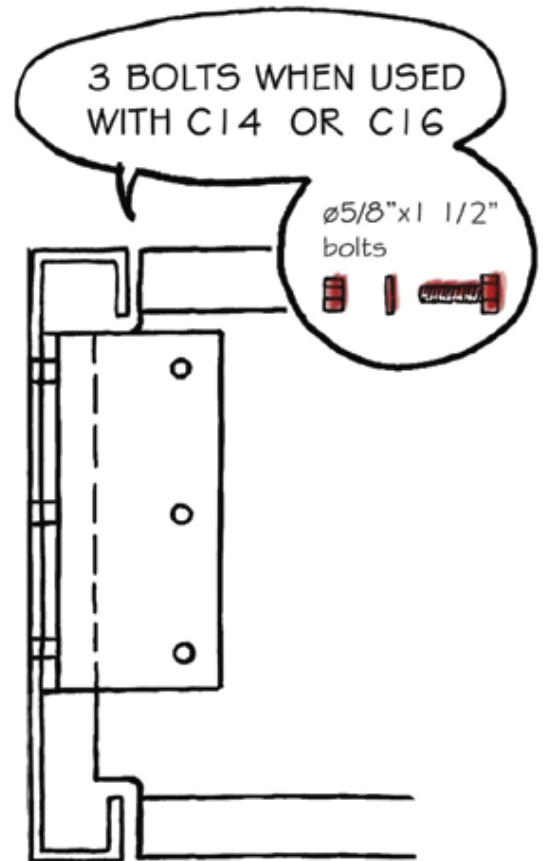
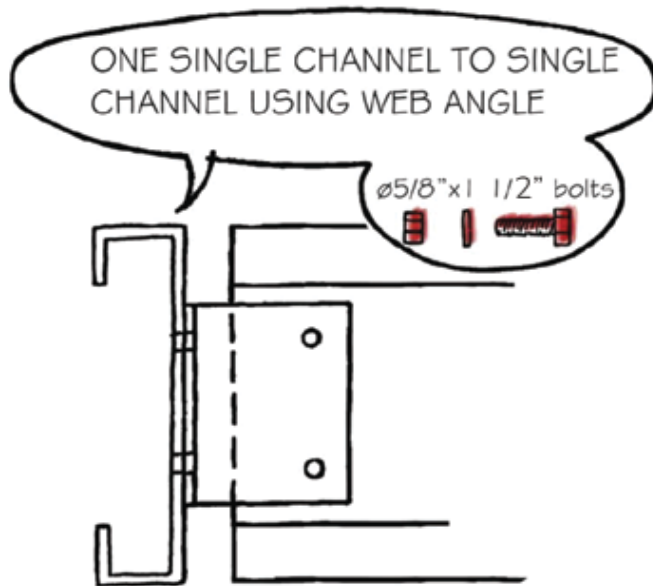


C14 - C16

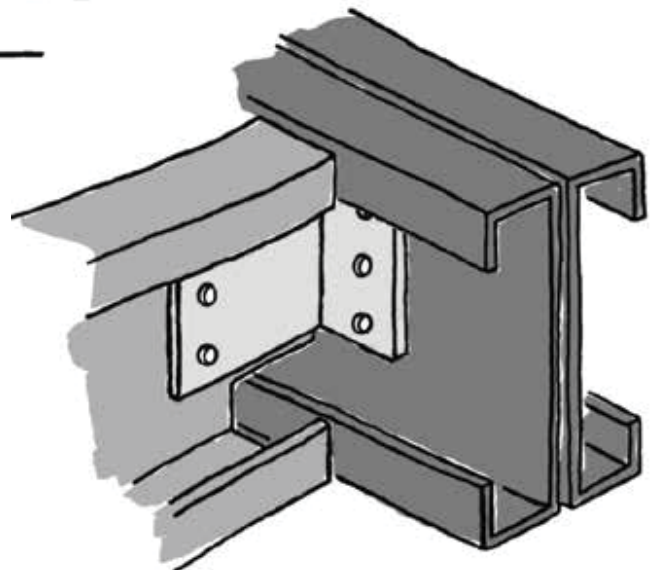
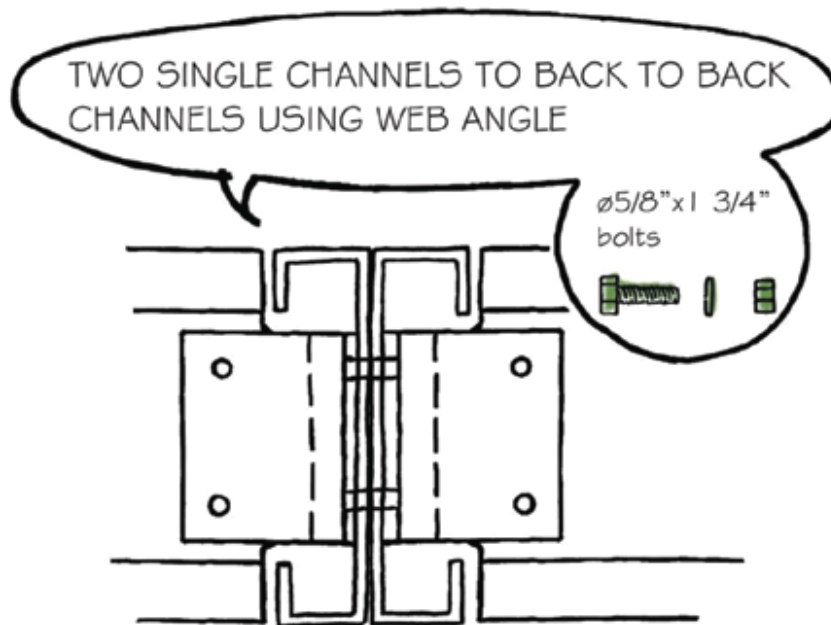
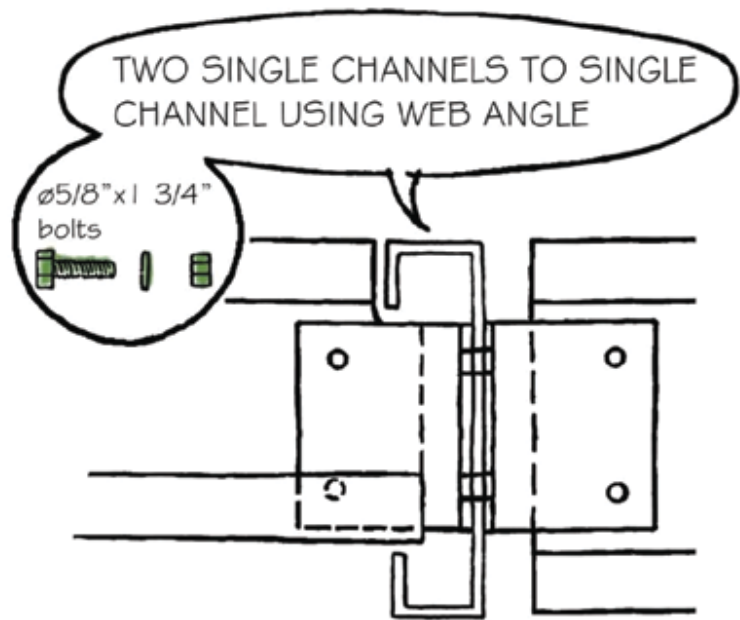


JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WEB ANGLE)

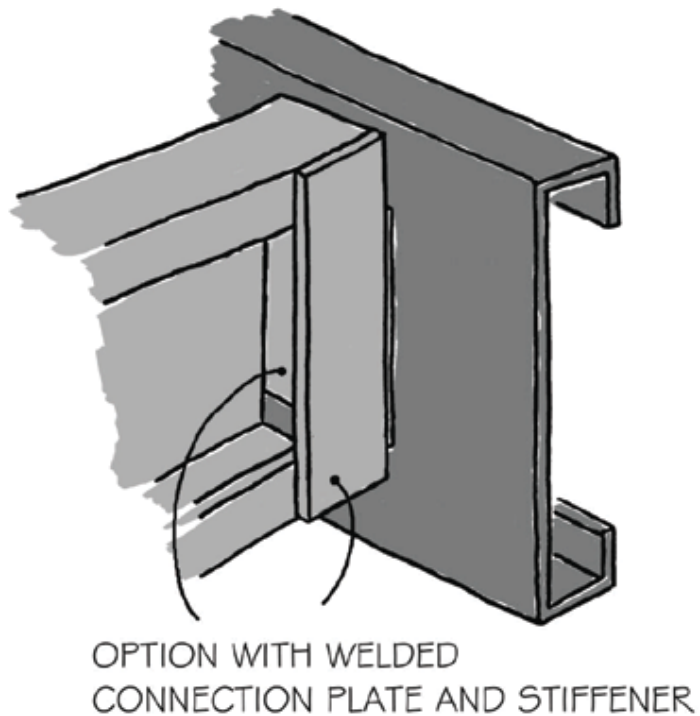
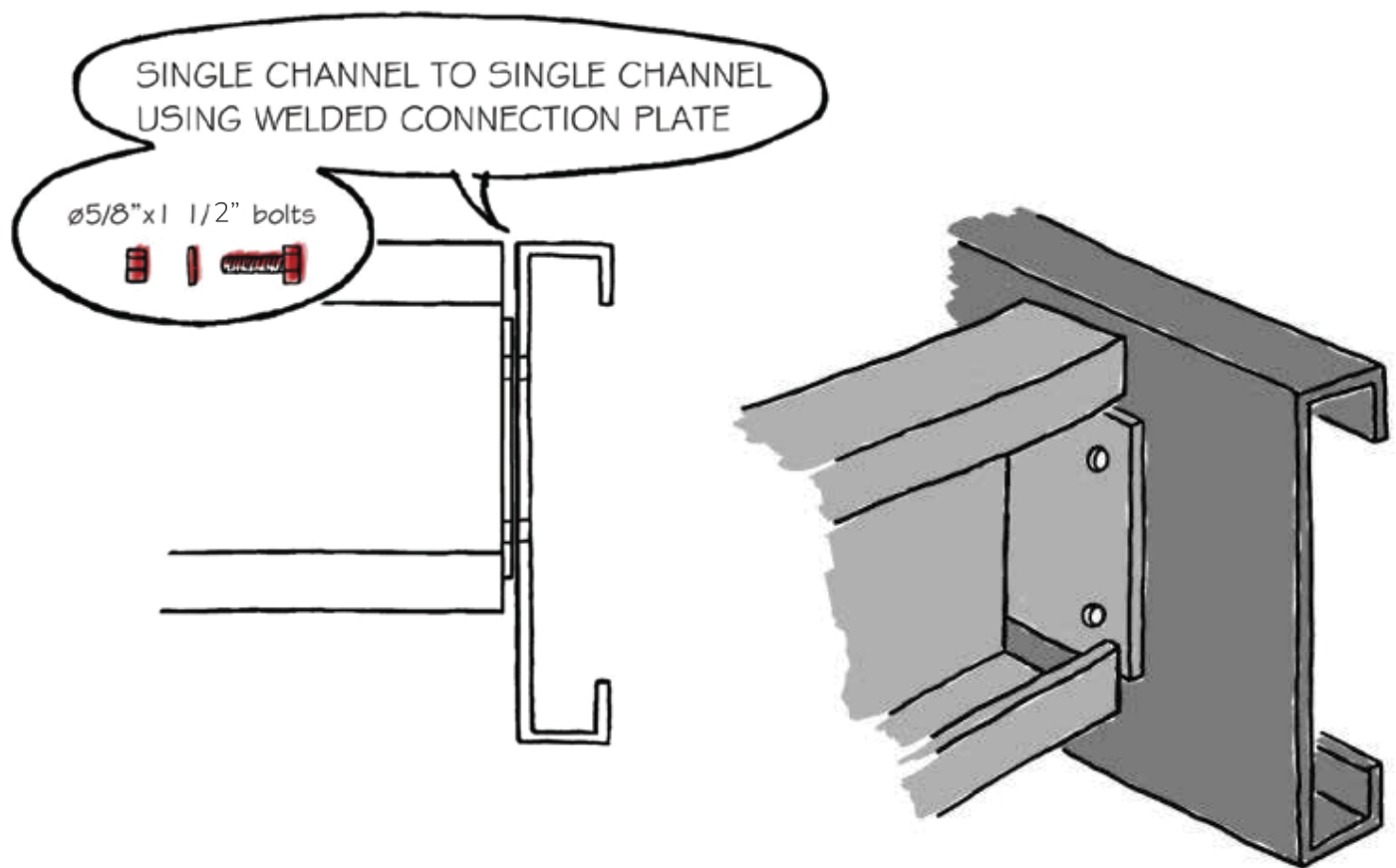
C8 - C10 - C12



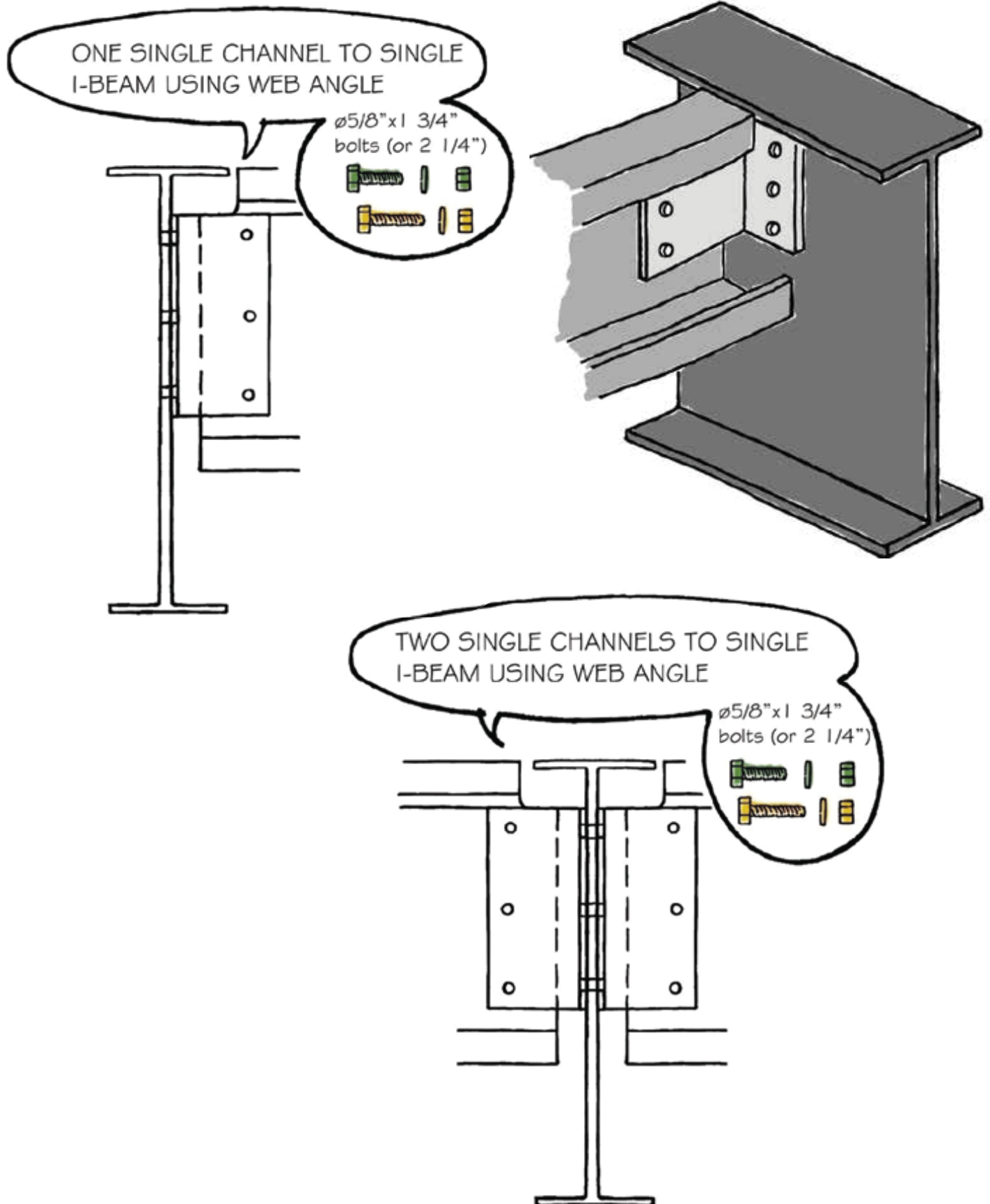
JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WEB ANGLE)



JOIST TO BEAM CONNECTION (CHANNEL TO CHANNEL USING WELDED CONNECTION PLATE)



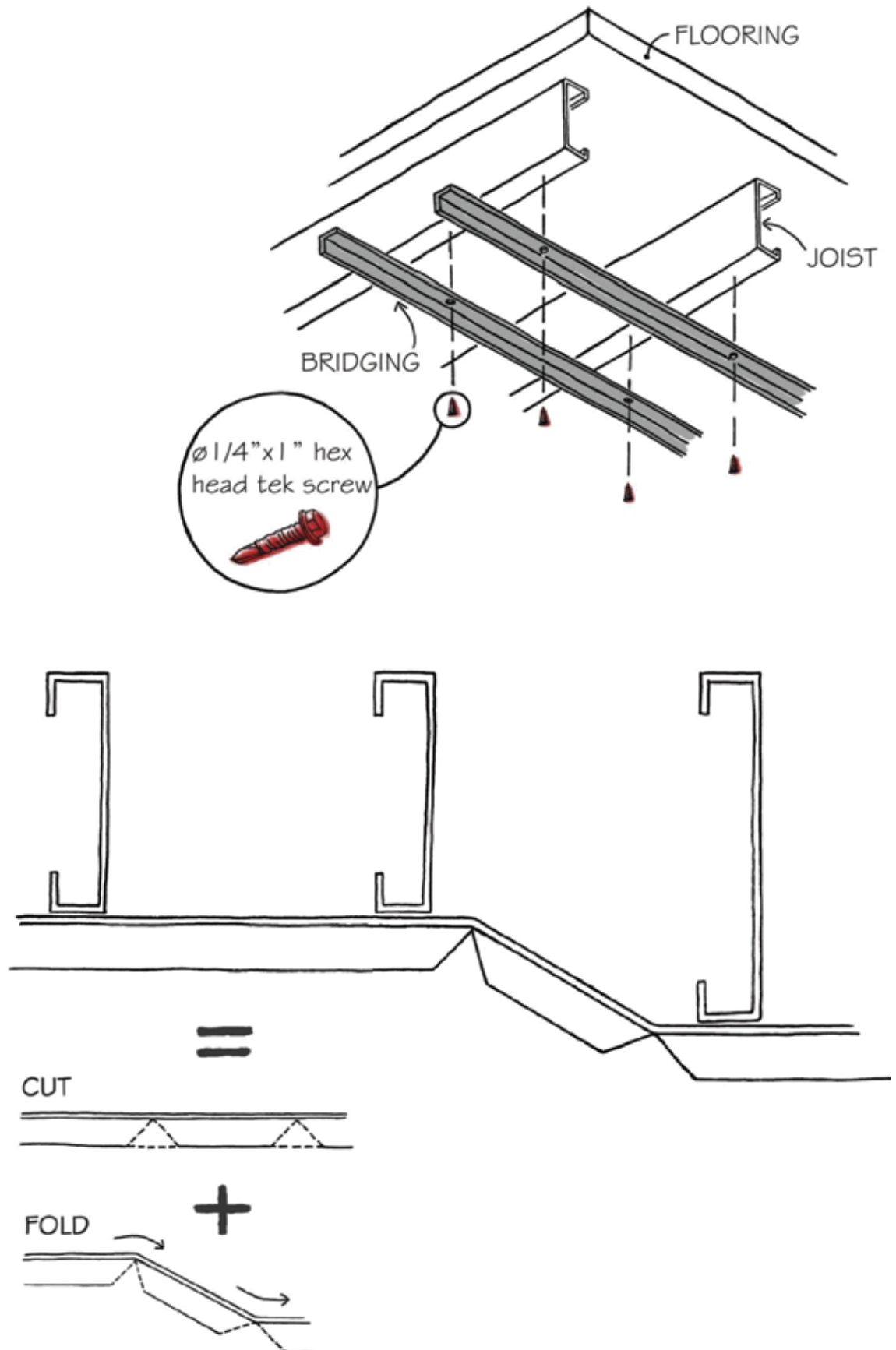
JOIST TO BEAM CONNECTION (CHANNEL TO I-BEAM USING WEB ANGLE)



BRIDGING

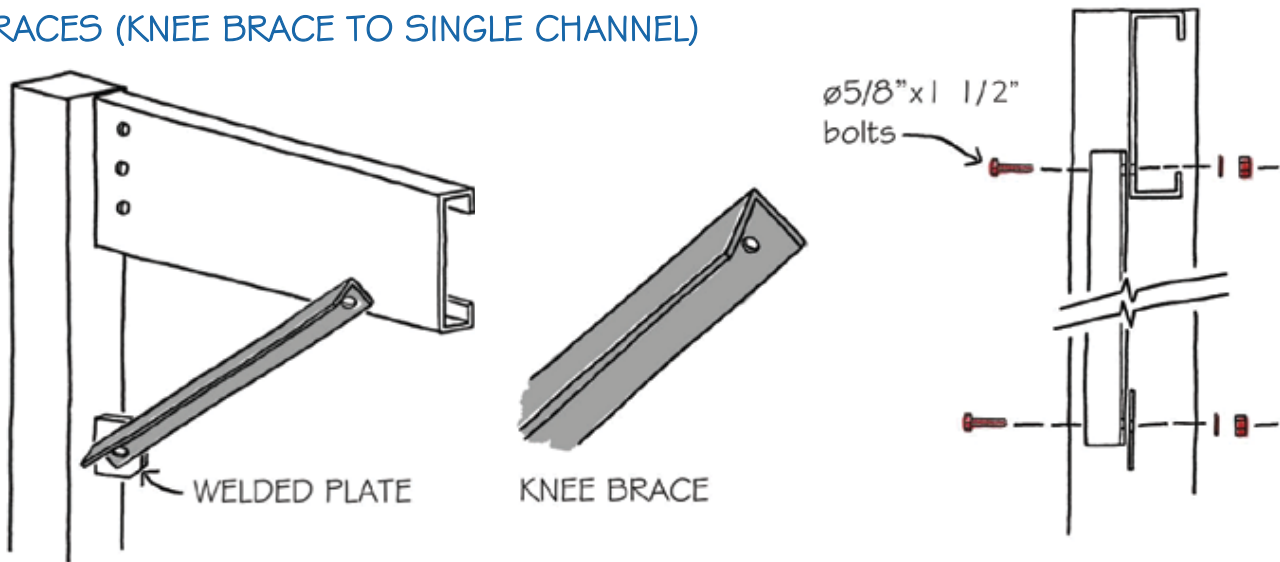


ASSEMBLE ACCORDING TO THE ORIENTATION INDICATED ON THE INSTALLATION PLAN

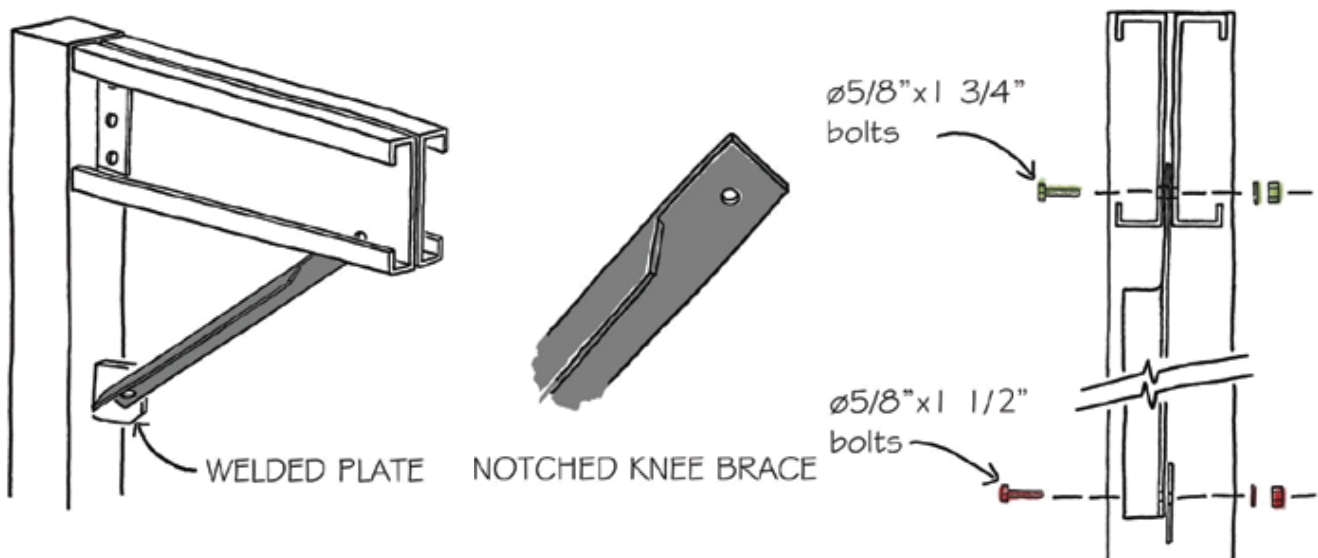


STEP 4

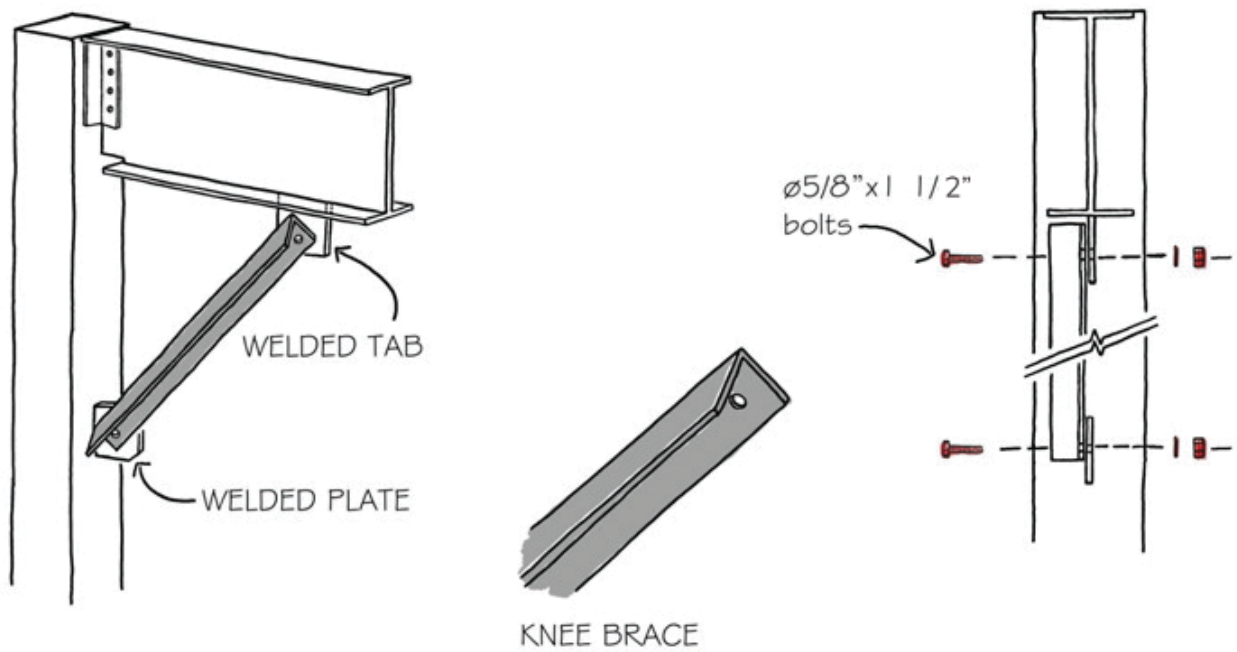
BRACES (KNEE BRACE TO SINGLE CHANNEL)



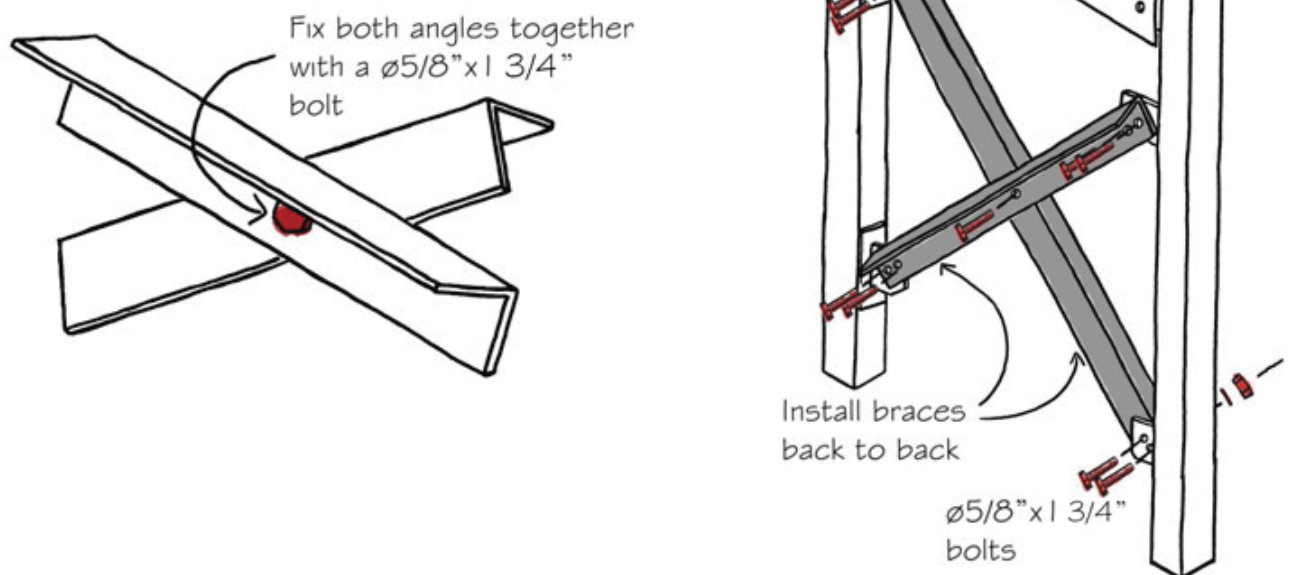
BRACES (KNEE BRACE TO BACK TO BACK CHANNEL)



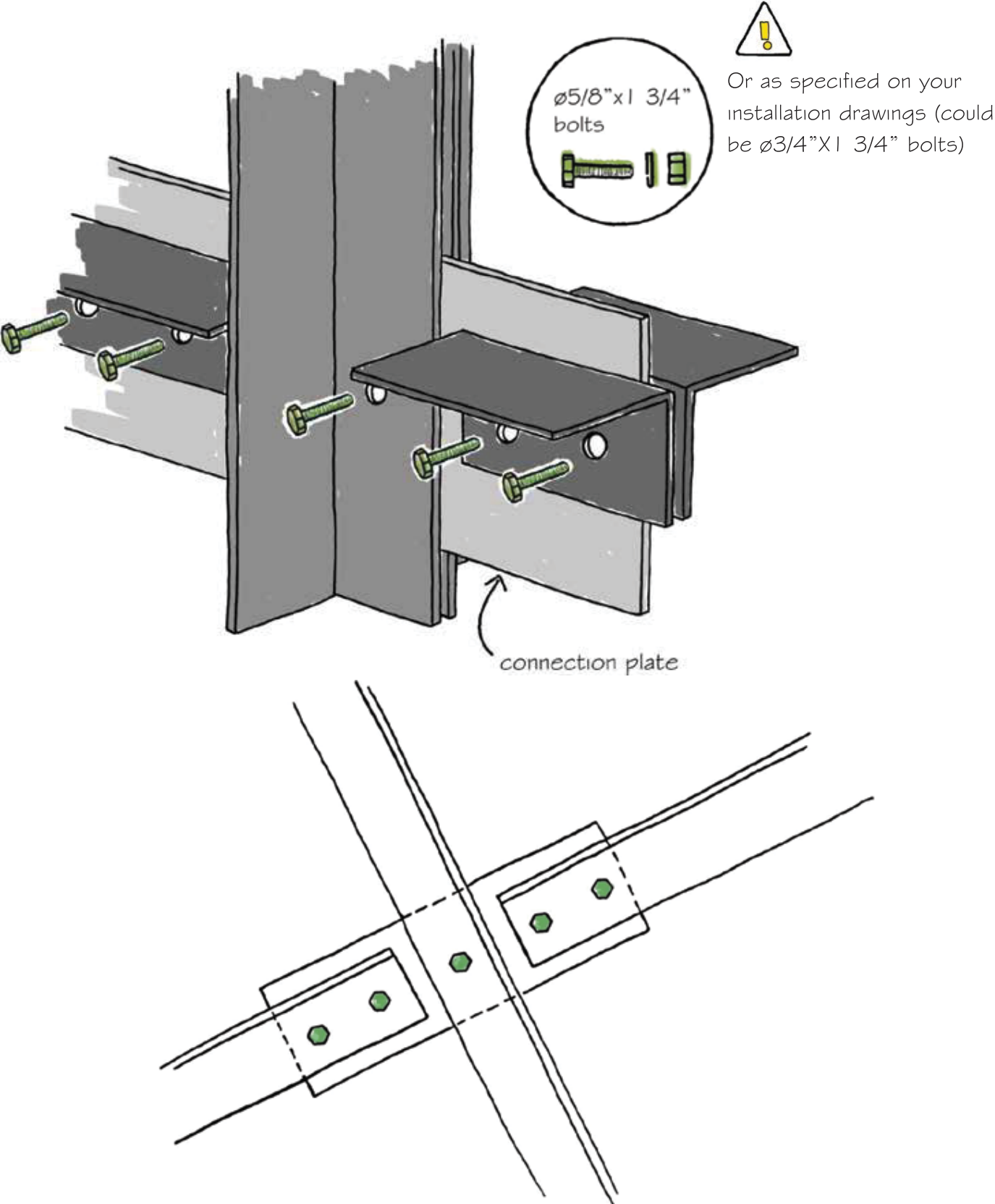
BRACES (KNEE BRACE TO I-BEAM)



BRACES (CROSS BRACE)

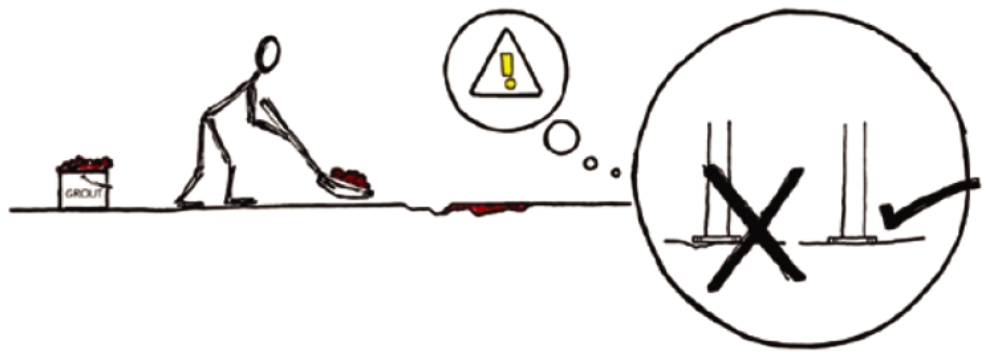


BRACES (DOUBLE CROSS BRACE)

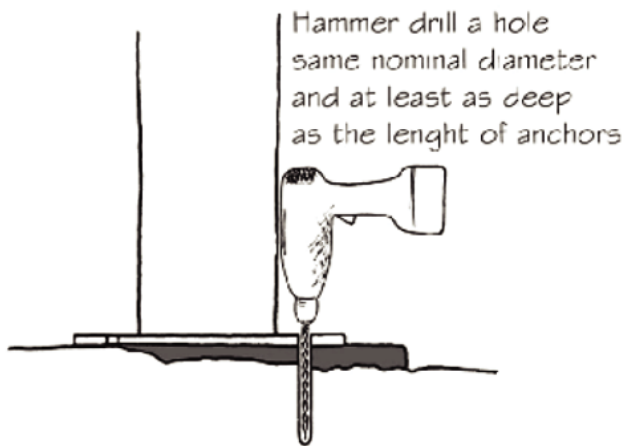


STEP 5

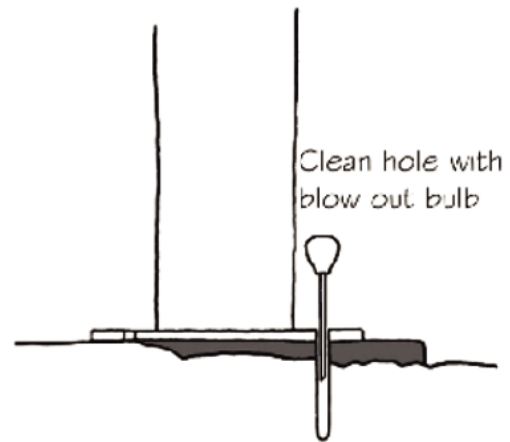
ANCHORING



FOR ADEQUATE ANCHORING CONDITIONS, THE ENTIRE SURFACE OF THE BASE PLATE MUST BE IN CONTACT WITH THE CONCRETE SLAB. WHEN CONCRETE SLABS ARE UNEVEN OR UNLEVEL, NON-SHRINK GROUT MUST BE USED TO FILL UNDER BASE PLATES. SHIM PLATES ARE NOT PERMITTED.



Hammer drill a hole same nominal diameter and at least as deep as the length of anchors



Clean hole with blow out bulb



Drive the hilti bolt in the hole so that at least **6 threads** are below the top surface of fixture. Then tighten to the recommended torque value to achieve proper anchor setting

